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

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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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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/cm^2 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/cm^2 *(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/cm²/ 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:

Alta Environmental

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Certified Asbestos Consultant
Cal/OSHA Cert. #06-4122
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Appendix A

Asbestos Field Bulk Sample List: Asbestos

MATERIAL INVENTORY
ASBESTOS SAMPLES

CLIENT: Santa Monica- Malibu USD
PROJECT NO: SMSD-18-7431
PROJECT NAME: JAMS-GYM

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	Previoisly 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	Previoisly 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

CLIENT: Santa Monica- Malibu USD
PROJECT NO: SMSD-18-7431
PROJECT NAME: JAMS-GYM

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
1'x1' peg hole rows ceiling tile with mastic and residual acoustical ceiling	Previously sampled JAC-03-01A thru JAC-03-01B	None detected	Previoisly 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	Previoisly 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	Previoisly 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	Previoisly 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	Previoisly 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	Previoisly 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	Previoisly sampled by Cape Environmental	Rooms 106, 102, lounge (under new tile)	1,300 SF	No	No
Stucco	Previously sampled 5563-5569	None detected	Previoisly sampled by CTL Environmental	Exterior walls	12,000 SF	No	No
Textured coating	Previously sampled 5576-5578	None detected	Previoisly 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	Previoisly sampled by CTL Environmental	Room 116	250 SF	No	No
Drywall	Previously sampled 5582	None detected	Previoisly sampled by CTL Environmental	Room 116	250 SF	No	No
Composite drywall with joint compound	Previously sampled 5583	None detected	Previoisly sampled by CTL Environmental	Room 116	250 SF	No	No

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
12" grey speckled floor tile with mastic	Previously sampled 5584	None detected	Previoisly 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	Previoisly 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	Previoisly 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	Previoisly 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	Previoisly 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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Report Number 1829981

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

Date Received 01/19/2018
Date Analyzed 01/19/2018
Date Reported 01/19/2018

Date Sampled 01/18/2018
Sampled By Jorge Canales
Total Samples 49

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

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
1829981-001	Gym Bldg					
118-01A	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	Gym Bldg					
118-01B	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	Gym Bldg					
118-01C	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	Gym Bldg					
118-02A	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	Gym Bldg					
118-02B	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	Gym Bldg					
118-02C	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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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	(%)
1829981-007	Gym Bldg					
118-03A	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	Gym Bldg					
118-03B	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	Gym Bldg					
118-04A	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	Gym Bldg					
118-04B	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	Gym Bldg					
118-05A	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	Gym Bldg					
118-05B	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**

ENVIRONMENTAL LABORATORIES LLC

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Tel: 562-206-2770
Fax: 562-206-2773

Alta Environmental
3777 Long Beach Blvd.
Long Beach CA 90807
Attn.: Cesar Ruvalcaba

Report Number 1829981

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

Date Received 01/19/2018
Date Analyzed 01/19/2018
Date Reported 01/19/2018

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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	(%)
1829981-013	Gym Bldg					
118-06A	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	Gym Bldg					
118-06B	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	Gym Bldg					
118-07	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	Gym Bldg					
118-08	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	Gym Bldg					
118-09A	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	Gym Bldg					
118-09B	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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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	(%)
1829981-019 118-10A	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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Report Number 1829981

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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	(%)
1829981-025	Gym Bldg					
118-13A	4" Covebase, Black, Homogeneous	LAYER 1			None Detected	
		100%	Calcium Carbonate	40%		
			Vinyl Binder/ Filler	60%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1829981-026	Gym Bldg					
118-13B	Adhesive, Beige, Homogeneous	LAYER 1			None Detected	
		100%	Adhesive Binders/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1829981-027	Gym Bldg					
118-14A	4" Covebase, Black, Homogeneous	LAYER 1			None Detected	
		100%	Calcium Carbonate	40%		
			Vinyl Binder/ Filler	60%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1829981-028	Gym Bldg					
118-14B	Adhesive, Beige, Homogeneous	LAYER 1			None Detected	
		100%	Adhesive Binders/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1829981-029	Gym Bldg					
118-15A	4" Covebase, Black, Homogeneous	LAYER 1			None Detected	
		100%	Calcium Carbonate	40%		
			Vinyl Binder/ Filler	60%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1829981-030	Gym Bldg					
118-15B	Adhesive, Beige, Homogeneous	LAYER 1			None Detected	
		100%	Adhesive Binders/Filler	100%		
	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	(%)
1829981-031	Gym Bldg					
118-16	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	Gym Bldg					
118-17	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	Gym Bldg					
118-18	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	Gym Bldg					
118-19	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	Gym Bldg					
118-20	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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Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
1829981-036	Gym Bldg					
118-21	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	Gym Bldg					
118-22	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	Gym Bldg					
118-23A	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	Gym Bldg					
118-23B	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	Gym Bldg					
118-24	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	Gym Bldg					
118-25	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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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	Gym Bldg					
118-26	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	Gym Bldg					
118-27A	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	Gym Bldg					
118-27B	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	Gym Bldg					
118-28A	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	Gym Bldg					
118-28B	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	Gym Bldg					
118-29	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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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	Gym Bldg					
118-30	Non-Slip Flooring, Gray, Homogeneous	LAYER 1			None Detected	
		100%	Quartz	25%		
			Binder/Filler	75%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1829981-049	Gym Bldg					
118-31	Non-Slip Flooring, Gray, Homogeneous	LAYER 1			None Detected	
		100%	Quartz	25%		
			Binder/Filler	75%		
	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 Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP® Lab Code 500044-0

CHAIN OF CUSTODY

AQ ENVIRONMENTAL LABORATORIES
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services@AQenvlabs.com

(Lab) Order No. 1829981

CUSTOMER INFORMATION	
Company	Alta Environmental
Address	3777 Long Beach Boulevard
City/State/Zip	Long Beach, CA 90807
Contact	Cesar.Rivalcaba@altaenvironmental.com
Office Phone	562/ 495-5777
Cell	
Fax	562/ 495-5877
Email	

Turnaround Time		Shipped By		Report Send Via:	
Same Day	☑	Fedex	☐	Web	☐
1 Day	☐	UPS	☐	Email	☐
2 Day	☐	USPS	☐	Fax	☐
3 Day	☐	Drop Off	☐	Verbal	☐
5 Day	☐	Drop Box	☐	Mail	☐
Weekend	☐	Other	☐	Pick up	☐

Special Instructions:

PROJECT INFORMATION

Project Name:	JAMS Gym	PO Number:	
Project Number:		Work Order No.:	
Location:	Santa Monica	Sampled By:	Jorge Robles

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
118-01	1'x' pegboard rows ceiling tile w/mastic	Gym Bldg	1/18/18			
118-02	and Residual acoustical ceiling	⊥	⊥			
118-03	1'x' grooved ceiling tile w/ mastic	⊥	⊥			
118-04	⊥	⊥	⊥			
118-05	1'x1' gray speckled floor tile w/ mastic	⊥	⊥			
118-06	⊥	⊥	⊥			
118-07	Texture coating	⊥	⊥			
118-08	⊥	⊥	⊥			
118-09	2" gray cove base w/ adhesive	⊥	⊥			
118-10	⊥	⊥	⊥			

Relinquished By:	
Date/Time:	1/18/18 2040
Received By:	
Date/Time:	1/19/18 08:00

Lab Forms
Ver. 082411

CHAIN OF CUSTODY

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AQ ENVIRONMENTAL LABORATORIES

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 cove base w/ adhesive	Gym Bldg	9/14/18			
118-12	"	"	"			
118-13	4" Black cove base w/ adhesive	"	"			
118-14	"	"	"			
118-15	"	"	"			
118-16	roof debris	"	"			
118-17	"	"	"			
118-18	"	"	"			
118-19	TSI debris	"	"			
118-20	window caulking	"	"			
118-21	"	"	"			
118-22	"	"	"			
118-23	green sheet vinyl	"	"			
118-24	window putty	"	"			
118-25	"	"	"			
118-26	"	"	"			
118-27	1'x1' acoustic random ceiling tile w/ mastic	"	"			
118-28	"	"	"			
118-29	non-slip gray flooring	"	"			
118-30	"	"	"			

Relinquished By: [signature]
Date/Time: 9/18/18 2040

Received By: [signature]
Date/Time: 9/19/18 08:00

Lab Forms
Ver. 082411

CHAIN OF CUSTODY

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AQ ENVIRONMENTAL LABORATORIES

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)
118-31	non-slip gray flooring	Gym Bldg	1/18/18			

Relinquished By: [signature]
Date/Time: 1/18/18 2040

Received By: [signature]
Date/Time: 1/19/18 08:00

Lab Forms
Ver. 082411

Appendix C

Sample Location Map: Asbestos

ALTA ENVIRONMENTAL

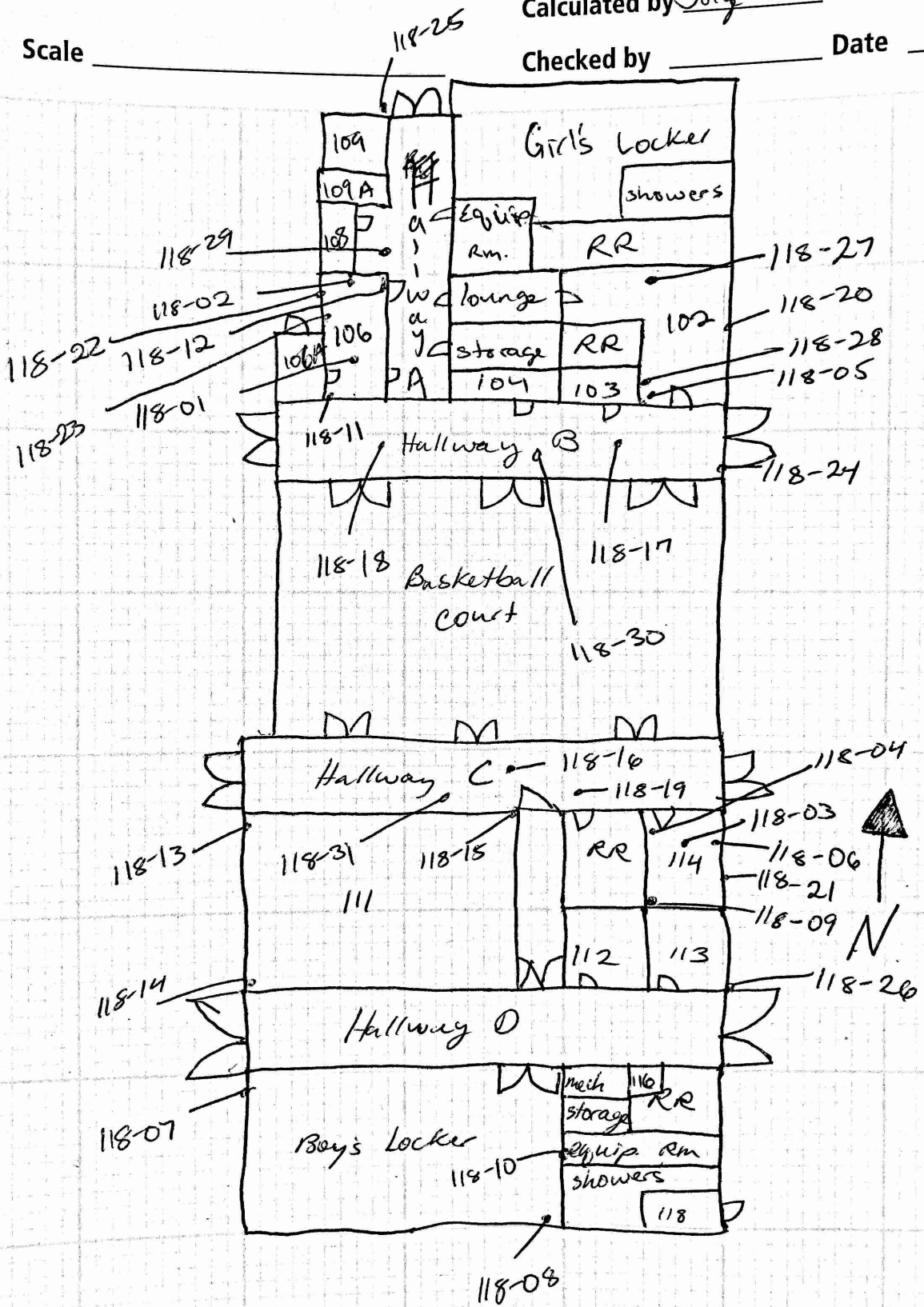
Sheet 1 of 1

Project Name JAMS GYM

Project No./Task No. S.M.S.D-18-7431

Calculated by Jorg R Date 1/18/18

Scale _____ Checked by _____ Date _____



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

ENVIRONMENTAL LABORATORIES

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

AQ ENVIRONMENTAL LABORATORIES

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

Report Number: **1829980**
Alta Environmental
3777 Long Beach Boulevard
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

AQ ENVIRONMENTAL LABORATORIES

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

Report Number: **1829980**
Alta Environmental
3777 Long Beach Boulevard
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)
1829980-031 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

AQ ENVIRONMENTAL LABORATORIES
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	Alta Environmental	Same Day	☒	Fedex	☐	Web	☐
Address	3777 Long Beach Blvd	1 Day	☐	UPS	☐	Email	☐
City/State/Zip	Long Beach Ca	2 Day	☐	USPS	☐	Fax	☐
Contact	Cesar Ruvalcaba	3 Day	☐	Drop Off	☐	Verbal	☐
Office Phone		5 Day	☐	Drop Box	☒	Mail	☐
Cell		Weekend	☐	Other	☐	Pick up	☐
Fax		**Special Instructions:**					
Email							

PROJECT INFORMATION

Project Name:	JAMS - Gym	PO Number:	
Project Number:		Work Order No.:	
Location:	Santa Monica	Sampled By:	Fabian Ruvalcaba

PLM		PCM		MOLD		LEAD (Pb)			
PLM EPA 600/M4-82-020	☐	NIOSH 7400A	☐	Spore Trap	☐	Air	☐	TTLC	☐
PLM 400 Pt. Count (<0.25%)	☐	NIOSH 7400B	☐	Tape Lift	☐	Paint	☒		
PLM 1000 Pt. Count (<0.1%)	☐	w/ TWA	☐	Bulk Sample	☐	Wipe	☐		
				Swab	☐	Soil	☐		

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
PC-1	wall Plaster white		1-12-18			
2	"					
3	"					
4	Door Case wood white					
5	"					
6	"					
7	Gate Metal White					
8	Door Wood White					
9	Not used					
10	Door wood Green					

Relinquished By:	Received By: Jamie Dow
Date/Time: 1-16-18 2330	Date/Time: 1/19/18 08:00
Relinquished By:	Received By:
Date/Time:	Date/Time:

CHAIN OF CUSTODY

AQ ENVIRONMENTAL LABORATORIES
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	(FIB) 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 Casing Metal White					

Relinquished By:	Received By:
Date/Time: 1-18-18 2330	Date/Time: 1/19/18 08:00
Relinquished By:	Received By:
Date/Time:	Date/Time:

AQ ENVIRONMENTAL LABORATORIES

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

CHAIN OF CUSTODY

Company: Atta
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	Divide Metal Pipe					
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:	Received By:
Date/Time: 1-18-18 2330	Date/Time: 1/19/18 08:00
Relinquished By:	Received By:
Date/Time:	Date/Time:

Lab Forms
Ver. 2016-06-27

Appendix F

Sample Location Map: Map

ALTA ENVIRONMENTAL

Sheet 1 of 7

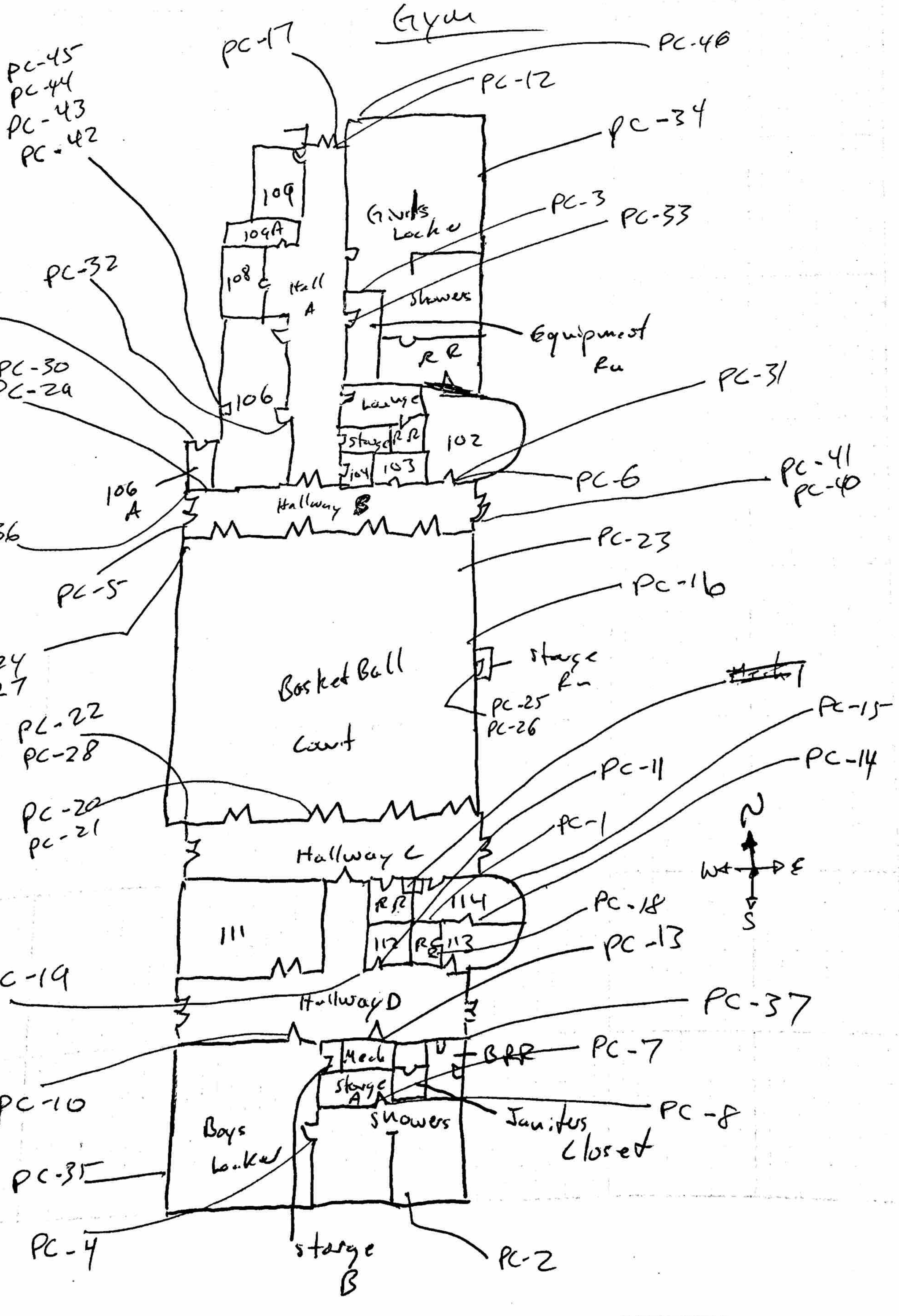
Project Name Lucoh M.S.

Project No./Task No. _____

Calculated by F.R Date 1-18-18

Scale _____

Checked by _____ Date _____



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/cm²)	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.

State of California—Health and Human Services Agency

California Department of Public Health

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)]	City	County	Zip Code
2425 16th street	Santa Monica	L.A.	90405-

Construction date (year) of structure	Type of structure		Children living in structure?
unknown	☐ Multi-unit building	☒ School or daycare	☐ Yes ☒ No
	☐ Single family dwelling	☐ Other_____	☐ Don't Know

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

Name	Telephone number
Santa Monica Malibu USD	

Address [number, street, apartment (if applicable)]	City	State	Zip Code
1651 16th Street	Santa Monica	CA	90405

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	Telephone number
Fabian Ramach	562-945-5777

Address [number, street, apartment (if applicable)]	City	State	Zip Code
3777 Long Beach Blvd	Long Beach	Ca	

CDPH certification number	Signature	Date
22130		1-18-18

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 specifc 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

CDPH 8552 (6/07)

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: Sampling Technician

Expiration Date: 10/28/2018

Jorge Robles

ID #: 30025

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

Fabian Ruvalcaba
Name

Certification No. 15-5533

Expires on 11/17/18

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


State of California Department of Public Health
Lead-Related Construction Certificate
Certificate Type
Expiration Date
Inspector/Assessor
12/06/2018
Fabian Ruvalcaba
ID #: 22130

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

James Charles Byers, Jr.
Name

Certification No. 06-4122

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

Name **Cesar Ruvalcaba**

Certification No. **95-1799**

Expires on **10/27/18**

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

State of California Department of Public Health

Lead-Related Construction Certificate

Certificate Type	Expiration Date
Inspector/Assessor	01/16/2019
Project Monitor	01/16/2019

Cesar A. Ruvalcaba

ID #: 6855

Appendix I

Previous Survey by CTL and Cape Environmental

APPENDIX A

MATERIAL INVENTORY:

SUMMARY OF BULK SAMPLE ANALYSIS
SAMPLE IDENTIFICATION
SAMPLE DESCRIPTION
ESTIMATED QUANTITIES

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

Building C (Gym Building)

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

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

Building C (Gym Building)

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

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

Building C (Gym Building)

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

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

Building C (Gym Building)

MATERIAL	SAMPLE NUMBER	ASBESTOS CONTENT	SAMPLE LOCATION	MATERIAL LOCATION	APPROX. QTY.	FRIABLE	DAMAGE
9"x9" tan with brown streaks floor tile with mastic	JAC-11-01	5% Chrysotile (tile) 10% Chrysotile (mastic)	Previously sampled (Cape Env. 1992)	Room 111	220 sq. ft.	No	No
9"x9" brown and dark brown streaks floor tile with mastic	JAC-12-01	5% Chrysotile (tile) 10% Chrysotile (mastic)	Previously sampled (Cape Env. 1992)	Room 114, 113	150 sq. ft.	No	No
9"x9" off white with green streak floor tile with mastic	JAC-13-01	2% Chrysotile (tile) 10% Chrysotile (mastic)	Previously sampled (Cape Env. 1992)	Room 106, 102, lounge	650 sq. ft.	No	No
Stucco	5563	None detected	Exterior, basketball court, east center	Exterior walls	12,000 sq. ft.	No	No
Stucco	5564	None detected	Exterior, west center by entry to hallway B	Exterior walls	12,000 sq. ft.	No	No
Stucco	5565	None detected	Exterior, girls locker room, north center	Exterior walls	12,000 sq. ft.	No	No
Stucco	5566	None detected	Exterior, boys locker room, southeast corner	Exterior walls	12,000 sq. ft.	No	No
Stucco	5567	None detected	Exterior, room 118, southwest corner	Exterior walls	12,000 sq. ft.	No	No
Stucco	5568	None detected	Exterior, room 106, northwest	Exterior walls	12,000 sq. ft.	No	No
Stucco	5569	None detected	Exterior, by hallway C, west entry	Exterior walls	12,000 sq. ft.	No	No
Texture coating	5576	None detected	Boys locker, north center	Boys locker (on rough plaster walls and ceiling)	1,000 sq. ft.	No	No
Texture coating	5577	None detected	Boys locker, southwest corner	Boys locker (on rough plaster walls and ceiling)	1,000 sq. ft.	No	No
Texture coating	5578	None detected	Boys locker, east wall center	Boys locker (on rough plaster walls and ceiling)	1,000 sq. ft.	No	No

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

Building C (Gym Building)

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

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

Building C (Gym Building)

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

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

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 tumaround:

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

RECEIVED
MAR 17 2008
BY:

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	908031028-01	*No*	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: Stucco			
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
5564	908031028-02	*No*	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: Stucco			
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
5565	908031028-03	*No*	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: Stucco			
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
5566	908031028-04	*No*	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: Stucco			
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
5567	908031028-05	*No*	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: Stucco			
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
5568	908031028-06	*No*	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: Stucco			
Analyst Description: Grey, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
5569	908031028-07	*No*	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: Stucco			
Analyst Description: Grey, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
5570	908031028-08	*No*	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: Smooth Plaster			
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
5571	908031028-09	*No*	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: Smooth Plaster			
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
5572	908031028-10	*No*	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: Smooth Plaster			
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
5573	908031028-11	*No*	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: Smooth Plaster			
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	908031028-12	*No*	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: Sand Plaster			
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
5575	908031028-13	*No*	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: Sand Plaster			
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
5576	908031028-14	*No*	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: Texture Coating			
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
5577	908031028-15	*No*	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: Texture Coating			
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
5578	908031028-16	*No*	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: Texture Coating			
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
5579	908031028-17	*No*	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: Jt. Compound			
Analyst Description: Beige, Homogeneous, Non-Fibrous, 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
5580	908031028-18	*No*	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: Jt. Compound			
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
5581	908031028-19	*No*	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: Jt. Compound			
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
5582	908031028-20	*No*	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: Drywall			
Analyst Description: Beige/Brown, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 15 %, Non-fibrous 85 %			
5583	908031028-21	*No*	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: Composite - Drywall W/Jt. Compound			
Analyst Description: Beige/Brown, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 15 %, Non-fibrous 85 %			
5584	908031028-22L1	*No*	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: 12" Grey Speckled F.T W/Mastic			
Analyst Description: Grey, Homogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
5584	908031028-22L2	*No*	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: 12" Grey Speckled F.T W/Mastic			
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Cellulose 3 %, Non-fibrous 97 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

108-0088; John Adams M.S Bldg. - C

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
5585	908031028-23L1	*No*	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: 2" Grey Cove Base W/Adhesive			
Analyst Description: Black, Homogeneous, Non-Fibrous, Cove Base **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
5585	908031028-23L2	*No*	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: 2" Grey Cove Base W/Adhesive			
Analyst Description: Cream, Homogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
5586	908031028-24L1	*No*	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: 4" Green Cove Base W/Adhesive			
Analyst Description: Green, Homogeneous, Non-Fibrous, Cove Base **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
5586	908031028-24L2	*No*	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: 4" Green Cove Base W/Adhesive			
Analyst Description: Brown, Homogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
5586	908031028-24L3	*No*	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: 4" Green Cove Base W/Adhesive			
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Leveling Compound **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
5587	908031028-25L1	*No*	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: 4" Pink Cove Base W/Adhesive			
Analyst Description: Grey, Heterogeneous, Non-Fibrous, Cove Base **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
5587	908031028-25L2	***No***	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: 4" Pink Cove Base W/Adhesive			
Analyst Description: Cream, Homogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
5588	908031028-26	***No***	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: Window Putty			
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
5589	908031028-27	***No***	NAD (by CVES) by Raymundo Orozco on 03/06/08
Location: Cementicious Bench Panels			
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

AMERISCI
www.amerisci.com

Asbestos, Lead Analysis Chain of Custody

AMERISCI JOB #: 908031028-

AMERISCI LOS ANGELES
24416 S Main St. Suite 308
Carson, CA 90745
Phone (310) 834-4868
Fax (310) 834-4772

COMPANY:	ADDRESS:	P.O.#:
CTL Environmental		32214

PROJECT INFORMATION	ANALYSIS TYPE	TURNAROUND TIME					AIR FILTER INFORMATION:	
		RUSH	24 HR	48 HR	72 HR	5 DAY		
JOB NAME: John Adams M.S. Bldg - C	ASBESTOS TEM AHERA						MCE	
	ASBESTOS PLM BULK					X	PC	
JOB NUMBER: 108-0088	ASBESTOS PCM AIR						25 mm	
	ASBESTOS PLM 1000 P.C.						37 mm	
JOB MANAGER: C. Ruvalcaba	LEAD AIR						0.45 um	
	LEAD WIPE						0.80 um	
JOB DESCRIPTION:	LEAD PAINT / SOLID						TEMP:	
	OTHER:						OTHER:	

INITIAL RESULTS DELIVERY: ☒ FAX ☐ EMAIL ☐ VERBAL ☐ MAIL ONLY

RETURN SAMPLES YES_____

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	J.T. compound						
5580	"						
5581	"						
5582	Drywall						

SAMPLED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
	3/3/08		3/03/8 1150
RELINQUISHED BY:	DATE/TIME:	RECEIVED IN LAB BY:	DATE/TIME:

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Asbestos, Lead Analysis Chain of Custody

AMERISCI JOB #: 908031028

AMERISCI LOS ANGELES
24416 S Main St. Suite 308
Carson, CA 90745
Phone (310) 834-4868
Fax (310) 834-4772

COMPANY:	ADDRESS:	P.O.#:
CTL Environmental		32214

PROJECT INFORMATION	ANALYSIS TYPE	TURNAROUND TIME					AIR FILTER INFORMATION:	
		RUSH	24 HR	48 HR	72 HR	5 DAY		
JOB NAME: John Adams M.S. Bldg - C	ASBESTOS TEM AHERA						MCE	
	ASBESTOS PLM BULK					X	PC	
JOB NUMBER: 10-0086	ASBESTOS PCM AIR						25 mm	
	ASBESTOS PLM 1000 P.C.						37 mm	
JOB MANAGER: C. Rvalcaba	LEAD AIR						0.45 um	
	LEAD WIPE						0.80 um	
JOB DESCRIPTION:	LEAD PAINT / SOLID						TEMP:	
	OTHER:						OTHER:	

INITIAL RESULTS DELIVERY: ☒ FAX ☐ EMAIL ☐ VERBAL ☐ MAIL ONLY

RETURN SAMPLES YES_____

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
5583	composite - Drywall w/ Jt. compound						
5584	12" Grey speckled F.T. w/ Mastic						
5585	2" Grey covebase w/ Adhesive						
5586	4" Green covebase w/ Adhesive						
5587	4" Pink covebase w/ Adhesive						
5588	window putty						
5589	cementicious Bench Panels						

SAMPLED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY:	DATE/TIME: 3/5/08	RECEIVED BY:	DATE/TIME: 3/6/08 1150
RELINQUISHED BY:	DATE/TIME:	RECEIVED IN LAB BY:	DATE/TIME:

FIELD BULK SAMPLE LIST

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

Technician: F. Rivalcaba
Date: 2/21/08
Page: 1 of 4

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
1	Smooth Plaster	JAC-01-01 Thru JAC-01-03	NAD	See Samples S570 → 73 for Material Locations	6500 Sq. Ft	N	N
2	1'x1' Random Pegholes Ceiling tile w/ Mastic	JAC-02-01 A & B	NAD (tile & Mastic)	Not Observed	—	N	N
3	1'x1' Pegholes Rows Ceiling tile w/ Mastic	JAC-03-01 A & B	NAD (tile & Mastic)		—	—	—
4	Rough Plaster	JAC-04-01 Thru JAC-04-03	NAD	See Samples S574 → S574	4000 Sq. Ft	N	N
5	1'x1' Grooved Ceiling tile w/ Mastic	JAC-05-01 A & B	NAD (tile & Mastic)	Room 102, 114, 113,	500 Sq. Ft	N	N
6	Acoustical Plaster Ceiling	JAC-07-01	Positive	R— 114	120 Sq. Ft	N	N
7	1'x1' Random Pinhole Ceiling tile w/ Mastic	JAC-08-01 A & B	NAD (tile & Mastic)	Not Observed	—	—	—
8	Tank Insulation	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)	R— 111	220 Sq. Ft	N	N
11	9"x9" brown/dk brown streaks floor tile w/ Mastic	JAC-12-01	Positive (tile & Mastic)	R— 114, 113,	150 Sq. Ft	N	N

FIELD BULK SAMPLE LIST

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

Technician: F. Rivalcoba
Date: 2/21/08
Page: 2 of 4

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
12	9"x9" Off White & Green Speckle Floor tile w/ Mastic	JAC-13-01	Positive (Tile & Mastic)	Rm 106, 107, Lounge	650 sq.ft	ND	ND
13	Tank insolation	JAC-14-01	Positive	Not observed	—	—	—
14		JAC-14-02	Positive		—	—	—
15	Hard Pipe Insulation	JAC-15-01	Positive	Not Observed	—	—	—
	Stucco	5563	Exterior - Basketball Court - East Center	Exterior Walls	12000 sq ft	ND	ND
		5564	Exterior - West Center by Entry to Hallway B				
		5565	Exterior - Girls Locker Rm North Center				
		5566	Exterior - Boys Lockers South East Corner				
		5567	Exterior - Rm 118 South West Corner				
		5568	Exterior - Rm 106 North ~~East~~ West				
		5569	Exterior - By Hallway C West Entry				

FIELD BULK SAMPLE LIST

CLIENT: SMMUSD
PROJECT NO.: 108-0085
PROJECT NAME: John Adams - M.S. - Building C

Technician: F. Rwalcaba
Date: 2/25/08
Page: 1 of 4

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
	Smooth Plaster	5570	Rm 104 - North East Corner	Girls Locker Rm, Girls showers, RR, Equipment Area, 106, Hallway A, Showers RR, 102, Lounge, 104,	10000 Sq. Ft	N	N
		5571	Rm 106 - North West Corner	Hallway B, Basketball court, Hallway C, MR 2, Storage			
		5572	Girls Locker Rm - North West Corner	Boys Equipment Rm, Boys shower			
		5573	Boys shower - West Wall Center				
	Smooth Plaster Rough	5574	Rm 114 - South wall Center	Rm 114, 113, 111, Hallway D, Boys Locker Rm, Mech Rm, 118, 101	4000 Sq. Ft	N	N
		5575	Boys Locker - North West Corner				
	Texture Coating on Plaster	5576	Boys Locker - North Center	Boys Locker Con Rough Plaster walls & Ceiling	1000 Sq. Ft	N	N
		5577	Boys Locker - South west Corner				
		5578	Boys Locker - East West Wall Center				
	St. Comp	5579	Rm 116 - North East Corner	Rm 116	250 Sq. Ft	N	N
		5580	Rm 116 - North West Corner				

FIELD BULK SAMPLE LIST

CLIENT: SMMUSD
PROJECT NO.: 108-0085
PROJECT NAME: John Adams, M.S. Building C

Technician: F. Rosales Jr.
Date: 2/21/08
Page: 4 of 4

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
	Jt. Comp	5581	Rm 116 - Southwest Corner		250 sq. ft	N	N
	Drywall	5582	Rm 116 - West Wall Center				
	Composite Drywall w/ Jt. Comp	5583	Rm 116 - Southwest Corner				
	12" Grey Speckled Flor tile w/ Mastic	5584	Lounge - North West Corner	Rm 102, Lounge, 114, 113 Equipment Rm, 116	500 sq. ft	N	N
	2" Grey Coveberse w/ Adhesive	5585	Rm 102 - by RR	102, Lounge, 114, 113, Boys Equipment Rm, 116	200 in ft		
	4" Green Coveberse w/ Adhesive	5586	Rm 106 - West Wall Center	106,	20 in. ft		
	4" Pink Coveberse w/ Adhesive	5587	Girls Locker - Equipment Area - North East	Girls Equipment Rm	90 in. ft		
	Window Putty	5588	Exterior Girls Locker Area - North Center Entry	Exterior Windows Frames at North Center Entry to Girls Locker Area	10 in ft		
	Cementious Bench Panels	5589	Girls Locker Area - shower for Handicap - Bench	Girls Locker Area - Handicap shower Bench	5 sq. ft		
	Underlayment Mastic	Assumed	Not Sampled Material Intact	Hallway A	10 sq. ft	N	N
	Note: Roof was not inspected						

APPENDIX E
PREVIOUS REPORT CAPE ENVIRONMENTAL (1992)

Hygeia Environmental Laboratories Inc.

Atlanta
Boston
Los Angeles
New York
Utica

82 W. Sierra Madre Blvd.
Sierra Madre, California
91024-2434

818-355-4711
FAX: 818-355-4497

July 23, 1992

RECEIVED JUL 3 0 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 sumitted 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

Gustavo A. Delgado, Ph.D.
VP/Director of Operations
Hygeia, Los Angeles Region

Attachments
PMR

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 <1% amosite* *25% crocidolite* *5% cellulose* *45% mineral filler*	
JAC-15-01 *73169C*	*Bldg. C*	*Yes*	*35% chrysotile* *15% crocidolite* *5% cellulose* *45% mineral filler*	
JAC-16-01 *73170C*	*Bldg. C*	*No*	*100% mineral filler*	X
JAD-1-01 *73171C*	*Bldgs. D,E,F,G&H*	*Yes*	*2% chrysotile* *98% mineral filler*	
JAD-1-02 *73172C*	*Bldgs. D,E,F,G&H*	*Yes*	*2% chrysotile* *98% mineral filler*	
JAD-1-03 *73173C*	*Bldgs. D,E,F,G&H*	*Yes*	*2% chrysotile* *98% mineral filler*	
JAD-2-01 *73174C*	*Bldgs. D,E,F,G&H (tile)*	*Yes*	*5% chrysotile* *95% mineral filler*	
JAD-2-01 *73174C*	*Bldgs. D,E,F,G&H (mastic)*	*No*	*2% cellulose* *58% mineral filler* *40% organic binders*	

QUALITY CONTROL LABORATORY

Applied Environmental Testing Laboratories, Inc.
2900 Chamblee Tucker Rd, Bldg 14, Suite 200 Atlanta, GA 30341
TEL: (404)451-8155 1-800-228-5221

CLIENT NAME : CAPE ENVIRONMENTAL MANAGEMENT DATE : 07/13/92

PROJECT NAME: JOHN ADAMS MIDDLE /41017.29

SAMPLE ID : QC-JAR-3-01 AETL LAB NO : 35990 AETL JOB NO : 1468

SAMPLE LOCATION :

SAMPLE DESCRIPTION - LAYERED: 1) LIGHT GREY SOFT FIBROUS;
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.

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

ROJECT NAME: JOHN ADAMS MIDDLE /41017.29

AMPLE ID : QC-JAN-8-01 AETL LAB NO : 35991 AETL JOB NO : 1468

SAMPLE LOCATION :

AMPLE - ESCRIPTION LAYERED: 1) LIGHT BROWN HARD COMPACT PARTLY GRANULAR TO FIBROUS; 2) BLACK SOFT BITUMENOUS TO FIBROUS.

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)			
ASBESTOS FIBERS		NONFIBROUS COMPONENTS	
CHRYSOTILE	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% CHRYSOTILE.

t is certified by the signature below that the laboratory identified is accredited by the National Institute of Standards and Technology for olarized light microscope (PLM) under the EPA Interim Asbestos Bulk Sample uality Assurance Program.

MICROANALYST : A R
ALEXEY REZNIK

QUALITY CONTROL BY : lev kuznetsov
LEV KUZNETSOV

Applied Environmental Testing Laboratories, Inc.
2900 Chamblee Tucker Rd, Bldg 14, Suite 200 Atlanta, GA 30341
TEL: (404)451-8155 1-800-228-5221

CLIENT NAME : CAPE ENVIRONMENTAL MANAGEMENT DATE : 07/13/92

ROJECT NAME: JOHN ADAMS MIDDLE /41017.29

AMPLE ID : QC-JAN-4-01 AETL LAB NO : 35992 AETL JOB NO : 1468

AMPLE LOCATION :

AMPLE - ESCRIPTION LIGHT GREEN SEMI HARD POWDERY TO PERLITIC WITH FIBERS, AGGREGATES AND MICA.

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

ASBESTOS FIBERS		NONFIBROUS COMPONENTS	
CHRYSOTILE	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 :

t is certified by the signature below that the laboratory identified is accredited by the National Institute of Standards and Technology for olarized light microscope (PLM) under the EPA Interim Asbestos Bulk Sample uality Assurance Program.

MICROANALYST : A R
ALEXEY REZNIK

QUALITY CONTROL BY : Lev Kuznetsov
LEV KUZNETSOV

Applied Environmental Testing Laboratories, Inc.
2900 Chamblee Tucker Rd, Bldg 14, Suite 200 Atlanta, GA 30341
TEL: (404)451-8155 1-800-228-5221

CLIENT NAME : CAPE ENVIRONMENTAL MANAGEMENT DATE : 07/13/92

ROJECT NAME: JOHN ADAMS MIDDLE /41017.29

AMPLE ID : QC-JAN-12-01 AETL LAB NO : 35993 AETL JOB NO : 1468

AMPLE LOCATION :

AMPLE - ESCRIPTION GREEN TO LIGHT BROWN SEMI HARD RESILIENT WITH AGGREGATES, ALUMINUM AND PAINT.

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

ASBESTOS FIBERS		NONFIBROUS COMPONENTS	
CHRYSOTILE		VERMICULITE	
AMOSITE		BIOTITE	
CROCIDOLITE		MICA	
ANTHOPHYLITE		PERLITE	
TREMOLITE		AGGREGATE/SAND	10
ACTINOLITE		STYROFOAM	
NONASBESTOS FIBERS		**OTHER COMPONENTS**	
SYNTHETICS		ALUMINUM	5
MINERAL WOOL		BITUMEN	
FIBERGLASS		RESILIENT MATERIAL	80
CELLULOSE		GLUE	
ANIMAL HAIR		BINDERS	5
ANTIGORITE			

OMMENTS : PAINT INCLUDED AS BINDER.

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MICROANALYST :

A R

ALEXEY REZNIK

QUALITY CONTROL BY :

Lev Kuznetsov

LEV KUZNETSOV

Applied Environmental Testing Laboratories, Inc.
2900 Chamblee Tucker Rd, Bldg 14, Suite 200 Atlanta, GA 30341
TEL: (404)451-8155 1-800-228-5221

CLIENT NAME : CAPE ENVIRONMENTAL MANAGEMENT DATE : 07/13/92

PROJECT NAME: JOHN ADAMS MIDDLE /41017.29

SAMPLE ID : QC-JAN-14-01 AETL LAB NO : 35994 AETL JOB NO : 1468

SAMPLE LOCATION :

SAMPLE - DESCRIPTION LAYERED: 1) LIGHT BROWN SEMI HARD GUMMY WITH GLUE; 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 :

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 : A R
ALEXEY REZNIK

QUALITY CONTROL BY : Lev Kuznetsov
LEV KUZNETSOV

Applied Environmental Testing Laboratories, Inc.
2900 Chamblee Tucker Rd, Bldg 14, Suite 200 Atlanta, GA 30341
TEL: (404)451-8155 1-800-228-5221

CLIENT NAME : CAPE ENVIRONMENTAL MANAGEMENT DATE : 07/13/92

PROJECT NAME: JOHN ADAMS MIDDLE /41017.29

SAMPLE ID : QC-JAN-18-01 AETL LAB NO : 35995 AETL JOB NO : 1468

SAMPLE LOCATION :

SAMPLE - DESCRIPTION LAYERED: 1) GREEN SEMI HARD RESILIENT;
2) BLACK SOFT BITUMENOUS TO WOVEN WITH FIBERS.

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

ASBESTOS FIBERS		NONFIBROUS COMPONENTS	
CHRYSOTILE		VERMICULITE	
AMOSITE		BIOTITE	
CROCIDOLITE		MICA	
ANTHOPHYLITE		PERLITE	
TREMOLITE		AGGREGATE/SAND	
ACTINOLITE		STYROFOAM	
NONASBESTOS FIBERS		**OTHER COMPONENTS**	
SYNTHETICS		ALUMINUM	
MINERAL WOOL		BITUMEN	10
FIBERGLASS		RESILIENT MATERIAL	50
CELLULOSE	30	GLUE	
ANIMAL HAIR		BINDERS	10
ANTIGORITE			

COMMENTS :

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 : A R
ALEXEY REZNIK

QUALITY CONTROL BY : Lev Kuznetsov
LEV KUZNETSOV

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TEL: (404)451-8155 1-800-228-5221

CLIENT NAME : CAPE ENVIRONMENTAL MANAGEMENT DATE : 07/13/92

PROJECT NAME: JOHN ADAMS MIDDLE /41017.29

SAMPLE ID : QC-JAN-19-01 AETL LAB NO : 35996 AETL JOB NO : 1468

SAMPLE LOCATION :

SAMPLE - DESCRIPTION LIGHT GREY SOFT FIBROUS TO PERLITIC WITH PAINT.

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)			
ASBESTOS FIBERS		NONFIBROUS COMPONENTS	
CHRYSOTILE		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 : A R
ALEXEY REZNIK

QUALITY CONTROL BY : Lev Kuznetsov
LEV KUZNETSOV

Applied Environmental Testing Laboratories, Inc.
2900 Chamblee Tucker Rd, Bldg 14, Suite 200 Atlanta, GA 30341
TEL: (404)451-8155 1-800-228-5221

CLIENT NAME : CAPE ENVIRONMENTAL MANAGEMENT DATE : 07/13/92

ROJECT NAME: JOHN ADAMS MIDDLE /41017.29

AMPLE ID : QC-JAN-26-02 AETL LAB NO : 35997 AETL JOB NO : 1468

AMPLE LOCATION :

AMPLE - LIGHT GREY SOFT FIBROUS TO PERLITIC WITH PAINT.
ESCRIPTION

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

ASBESTOS FIBERS		NONFIBROUS COMPONENTS	
CHRYSOTILE		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			

OMMENTS : 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 uality Assurance Program.

MICROANALYST : A R

ALEXEY REZNIK

QUALITY CONTROL BY : lev Kuznetsov

LEV KUZNETSOV

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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

ROJECT NAME: JOHN ADAMS MIDDLE /41017.29

AMPLE ID : QC-JAL-05-01 AETL LAB NO : 35998 AETL JOB NO : 1468

SAMPLE LOCATION :

AMPLE - ESCRIPTION LIGHT BROWN SOFT FIBROUS WITH PAINT.

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	90	GLUE	
ANIMAL HAIR		BINDERS	10
ANTIGORITE			

OMMENTS : PAINT INCLUDED AS BINDER.

t is certified by the signature below that the laboratory identified is accredited by the National Institute of Standards and Technology for olarized light microscope (PLM) under the EPA Interim Asbestos Bulk Sample uality Assurance Program.

MICROANALYST : A R

ALEXEY REZNIK

QUALITY CONTROL BY : lev kuznetsov

LEV KUZNETSOV

Applied Environmental Testing Laboratories, Inc.
2900 Chamblee Tucker Rd, Bldg 14, Suite 200 Atlanta, GA 30341
TEL: (404)451-8155 1-800-228-5221

CLIENT NAME : CAPE ENVIRONMENTAL MANAGEMENT DATE : 07/13/92

PROJECT NAME: JOHN ADAMS MIDDLE /41017.29

SAMPLE ID : QC-JAL-8-01 AETL LAB NO : 35999 AETL JOB NO : 1468

SAMPLE LOCATION :

SAMPLE DESCRIPTION - LIGHT GREY SOFT WOVEN TO RESILIENT.

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	40
CELLULOSE	60	GLUE	
ANIMAL HAIR		BINDERS	
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 : 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

ROJECT NAME: JOHN ADAMS MIDDLE /41017.29

AMPLE ID : QC-JAK-7-01A AETL LAB NO : 36000 AETL JOB NO : 1468

AMPLE LOCATION :

AMPLE - ESCRIPTION BROWN SOFT FIBROUS WITH PAINT.

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	90	GLUE	
ANIMAL HAIR		BINDERS	10
ANTIGORITE			

OMMENTS : PAINT INCLUDED AS BINDER.

t is certified by the signature below that the laboratory identified is accredited by the National Institute of Standards and Technology for olarized light microscope (PLM) under the EPA Interim Asbestos Bulk Sample uality 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

ROJECT NAME: JOHN ADAMS MIDDLE /41017.29

AMPLE ID : QC-JAK-4-01 AETL LAB NO : 36001 AETL JOB NO : 1468

AMPLE LOCATION :

AMPLE - ESCRIPTION LIGHT GREY HARD SILTY TO PARTLY GRANULAR WITH MICA, FIBERS AND 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			

OMMENTS : PAINT INCLUDED AS BINDER.

t is certified by the signature below that the laboratory identified is accredited by the National Institute of Standards and Technology for olarized light microscope (PLM) under the EPA Interim Asbestos Bulk Sample uality 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

ROJECT NAME: JOHN ADAMS MIDDLE /41017.29

AMPLE ID : QC-JAD-10-01 AETL LAB NO : 36004 AETL JOB NO : 1468

AMPLE LOCATION :

AMPLE - LIGHT GREY SOFT FIBROUS WITH PAINT.
ESCRIPTION

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)			
ASBESTOS FIBERS		NONFIBROUS COMPONENTS	
CHRYSOTILE	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			

OMMENTS : 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 olarized light microscope (PLM) under the EPA Interim Asbestos Bulk Sample ality Assurance Program.

MICROANALYST :

Lev Kuznetsov

LEV KUZNETSOV

QUALITY CONTROL BY :

A R

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 DESCRIPTION - LIGHT BROWN HARD SILTY WITH PAINT, GLUE 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		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

ROJECT NAME: JOHN ADAMS MIDDLE /41017.29

AMPLE ID : QC-JAB-10-01 AETL LAB NO : 36006 AETL JOB NO : 1468

AMPLE LOCATION :

AMPLE - ESCRIPTION LIGHT GREY SOFT POWDERY TO FIBROUS.

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

ASBESTOS FIBERS		NONFIBROUS COMPONENTS	
CHRYSOTILE	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 :

t is certified by the signature below that the laboratory identified is accredited by the National Institute of Standards and Technology for olarized light microscope (PLM) under the EPA Interim Asbestos Bulk Sample uality 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

ROJECT NAME: JOHN ADAMS MIDDLE /41017.29

SAMPLE ID : QC-JAB-15-01 AETL LAB NO : 36007 AETL JOB NO : 1468

SAMPLE LOCATION :

AMPLE - LIGHT GREY SOFT FIBROUS.
ESCRIPTION

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

ASBESTOS FIBERS		NONFIBROUS COMPONENTS	
CHRYSOTILE	60	VERMICULITE	
AMOSITE		BIOTITE	
CROCIDOLITE		MICA	
ANTHOPHYLITE		PERLITE	
TREMOLITE		AGGREGATE/SAND	
ACTINOLITE		STYROFOAM	
NONASBESTOS FIBERS		**OTHER COMPONENTS**	
SYNTHETICS		ALUMINUM	
MINERAL WOOL		BITUMEN	
FIBERGLASS		RESILIENT MATERIAL	
CELLULOSE	10	GLUE	
ANIMAL HAIR		BINDERS	30
ANTIGORITE			

OMMENTS :

is certified by the signature below that the laboratory identified is accredited by the National Institute of Standards and Technology for polarized light microscope (PLM) under the EPA Interim Asbestos Bulk Sample uality 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

ROJECT NAME: JOHN ADAMS MIDDLE /41017.29

SAMPLE ID : QC-JAB-5-01 AETL LAB NO : 36008 AETL JOB NO : 1468

SAMPLE LOCATION :

AMPLE - LIGHT GREY HARD SILTY TO PARTLY GRANULAR WITH FIBERS.
ESCRIPTION

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

ASBESTOS FIBERS		NONFIBROUS COMPONENTS	
CHRYSOTILE		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 uality 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

ROJECT NAME: JOHN ADAMS MIDDLE /41017.29

AMPLE ID : QC-JAA-7-01 AETL LAB NO : 36009 AETL JOB NO : 1468

SAMPLE LOCATION :

AMPLE - LAYERED: 1) LIGHT GREY SEMI HARD WOVEN WITH PAINT;
ESCRIPTION 2) LIGHT GREY SOFT FIBROUS TO POWDERY.

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)			
ASBESTOS FIBERS		NONFIBROUS COMPONENTS	
CHRYSOTILE	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.

t is certified by the signature below that the laboratory identified is accredited by the National Institute of Standards and Technology for olarized light microscope (PLM) under the EPA Interim Asbestos Bulk Sample uality Assurance Program.

MICROANALYST :

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

ROJECT NAME: JOHN ADAMS MIDDLE /41017.29

AMPLE ID : QC-JAA-6-01 AETL LAB NO : 36010 AETL JOB NO : 1468

AMPLE LOCATION :

AMPLE - DESCRIPTION GREY HARD COMPACT PARTLY GRANULAR TO FIBROUS WITH BLACK MASTIC AND GLUE.

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

ASBESTOS FIBERS		NONFIBROUS COMPONENTS	
CHRYSOTILE	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 :

T is certified by the signature below that the laboratory identified is accredited by the National Institute of Standards and Technology for olarized light microscope (PLM) under the EPA Interim Asbestos Bulk Sample ıality 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

ROJECT NAME: JOHN ADAMS MIDDLE /41017.29

AMPLE ID : QC-JAC-12-01 AETL LAB NO : 36011 AETL JOB NO : 1468

SAMPLE LOCATION :

AMPLE - DESCRIPTION GREY HARD COMPACT PARTLY GRANULAR TO FIBROUS WITH BLACK MASTIC.

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

ASBESTOS FIBERS		NONFIBROUS COMPONENTS	
CHRYSOTILE	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			

OMMENTS : ASBESTOS FOUND IN BOTH BITUMEN AND FLOOR TILE.
BITUMEN CONTAINS 20% CHRYSOTILE.

t is certified by the signature below that the laboratory identified is accredited by the National Institute of Standards and Technology for olarized light microscope (PLM) under the EPA Interim Asbestos Bulk Sample uality Assurance Program.

MICROANALYST :

ALEXEY REZNIK

QUALITY CONTROL BY :

lev kuznetsov

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 DESCRIPTION - GREY HARD POWDERY TO PERLITIC WITH FIBERS, MICA AND PAINT.

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

ASBESTOS FIBERS		NONFIBROUS COMPONENTS	
CHRYSOTILE	3	VERMICULITE	
AMOSITE		BIOTITE	
CROCIDOLITE		MICA	3
ANTHOPHYLITE		PERLITE	30
TREMOLITE		AGGREGATE/SAND	
ACTINOLITE		STYROFOAM	
NONASBESTOS FIBERS		**OTHER COMPONENTS**	
SYNTHETICS		ALUMINUM	
MINERAL WOOL		BITUMEN	
FIBERGLASS		RESILIENT MATERIAL	
CELLULOSE	1	GLUE	
ANIMAL HAIR		BINDERS	63
ANTIGORITE			

COMMENTS : PAINT INCLUDED AS BINDER.

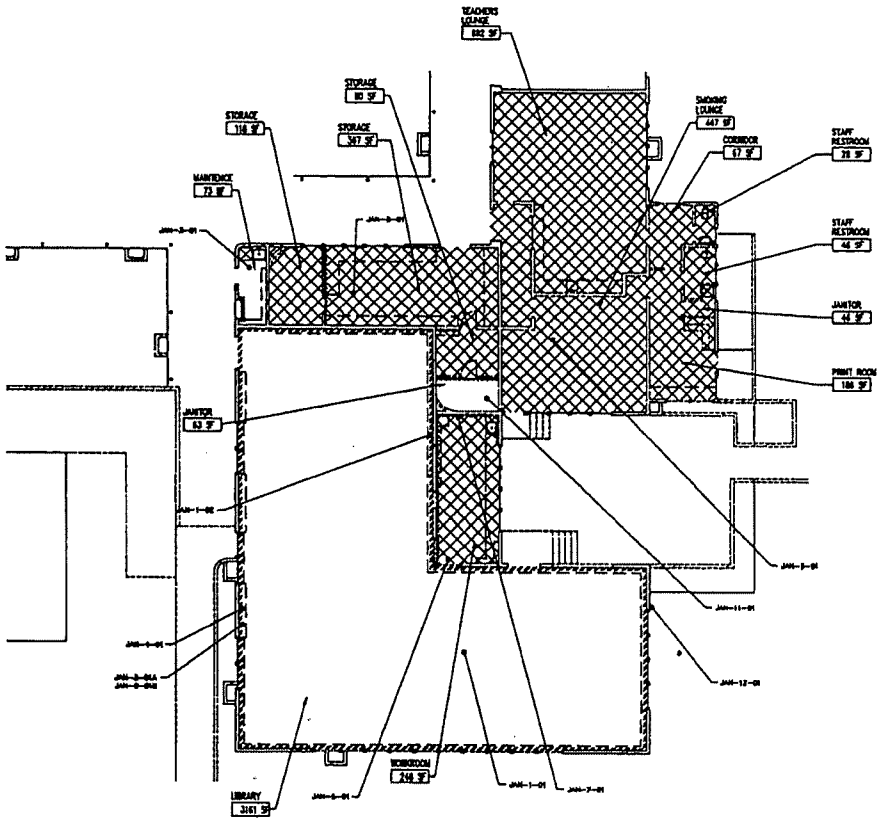
It is certified by the signature below that the laboratory identified is accredited by the National Institute of Standards and Technology for polarized light microscope (PLM) under the EPA Interim Asbestos Bulk Sample Quality Assurance Program.

MICROANALYST :

ALEXEY REZNIK

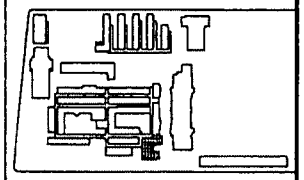
QUALITY CONTROL BY :

LEV KUZNETSOV



BUILDING "N" – DEMOLITION PLAN | 1/8"=1'-0" | 1

PROJECT NORTH



KEY PLAN

LEGEND

- ASBESTOS-CONTAINING 9"x 9" FLOOR TILE AND MASTIC
- ASBESTOS-CONTAINING GYPSUM BOARD WALLS AND JOINT COMPOUND
- ASBESTOS-CONTAINING ACOUSTICAL WALL PLASTER

CAPE ENVIRONMENTAL MANAGEMENT INC

20280 S Vermont Ave.
Suite 280
Torrance, CA 90502
(310) 532-4600

REVISIONS:

No.	Date	Remarks

PROJECT NAME:

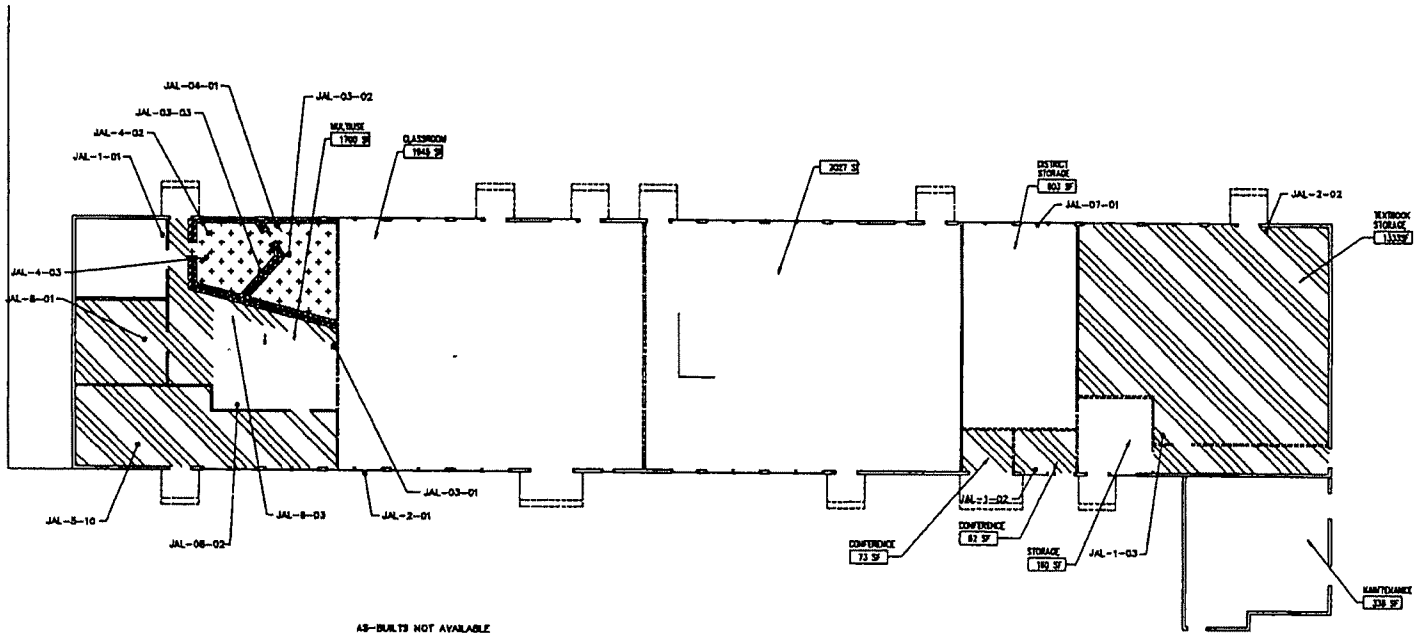
JOHN ADAMS MIDDLE SCHOOL
SANTA MONICA - MALIBU UNIFIED SCHOOL DISTRICT

SHEET TITLE:

BUILDING N FLOOR PLAN

JOB NO. 41017.30

SHEET	DESIGN BY:
ASB-08	C.RIOS
	DRAWN BY: K.GATES
ASBDG-N	DATE: SEPT. 92

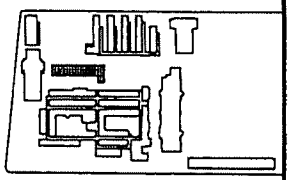


AS-BUILTS NOT AVAILABLE

BUILDING "L" – DEMOLITION FLOOR PLAN

1/8"-1'-0" | 1

PROJECT NORTH



KEY PLAN

NOTES:

1. WINDOW PUTTY LOCATED ON EXTERIOR OF WINDOWS.
2. ASSUMED ASBESTOS CONTAINING CHALKBOARDS LOCATED IN CLASSROOMS

LEGEND

- ASBESTOS-CONTAINING GYPSUM CEILINGS AND JOINT COMPOUND
- ASBESTOS-CONTAINING 12"x 12" FLOOR TILE AND MASTIC
- ASBESTOS-CONTAINING GYPSUM WALL

CAPE ENVIRONMENTAL MANAGEMENT INC

20250 S Vermont Ave.
Suite 250
Torrance, CA 90502
(310) 532-4600

REVISIONS:

No.	Date	Remarks

PROJECT NAME:

JOHN ADAMS MIDDLE SCHOOL
SANTA MONICA – MALIBU UNIFIED SCHOOL DISTRICT

SHEET TITLE:

BUILDING L FLOOR PLAN

JOB NO. 41017.30

DATE	DRAWN BY
ABS-06	C.ROS
BY	CHECKED BY
	K.GATES
ABLDG-L	DATE SEPT. 92

TABLE 4.1

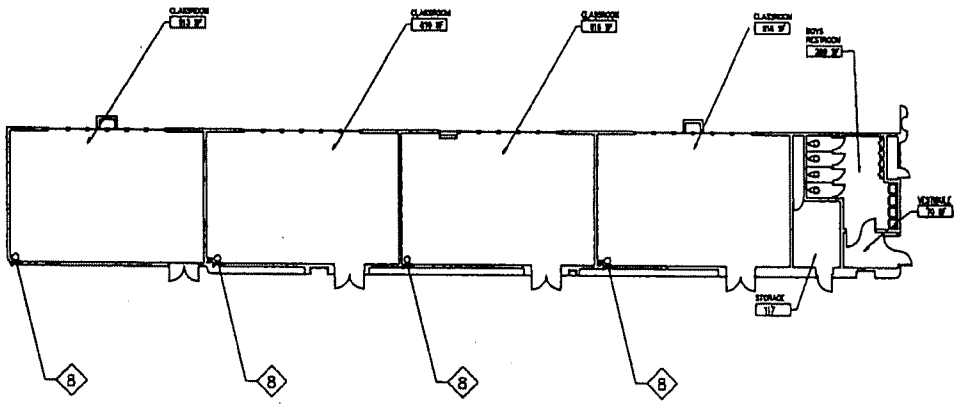
SUMMARY OF SUSPECT ASBESTOS-CONTAINING MATERIAL
BULK SAMPLE LABORATORY ANALYSIS RESULTS
JOHN ADAMS MIDDLE SCHOOL

SAMPLE NUMBER	MATERIAL DESCRIPTION/LOCATION	LABORATORY ANALYSIS RESULTS
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

TABLE 4.1

SUMMARY OF SUSPECT ASBESTOS-CONTAINING MATERIAL
BULK SAMPLE LABORATORY ANALYSIS RESULTS
JOHN ADAMS MIDDLE SCHOOL

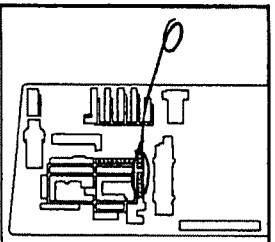
SAMPLE NUMBER	MATERIAL DESCRIPTION/LOCATION	LABORATORY ANALYSIS RESULTS
JAN-07-01	9"x 9" floor tile - grey w/white streaks and mastic/Building N	5% chrysotile (T) 3% chrysotile (M)
JAN-08-01	9"x 9" floor tile - beige w/white streaks and mastic/Building N	5% chrysotile (T) 10% chrysotile (M)
JAN-09-01	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) NAD (M)
JAN-10-02	Linoleum - wood pattern and mastic/Building T	NAD (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) NAD (M)
JAN-14-02	Linoleum - beige marble pattern and mastic/Building N	NAD (T) NAD (M)
JAN-14-03	Linoleum - beige marble pattern and mastic/Building N	NAD (T) NAD (M)
JAN-16-01	12"x 12" floor tile - brown and mastic/Building N	2% chrysotile (T) 2% chrysotile (M)
JAN-16-02	12"x 12" floor tile - brown and mastic/Building N	2% chrysotile (T) NAD (M)
JAN-16-03	12"x 12" floor tile - brown and mastic/Building N	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) NAD (M)
JAN-18-02	Linoleum - dark green and mastic/Building P	NAD (T) 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



BUILDING P –FLOOR PLAN

1 / AR-12

SCALE: 1/8"=1'-0"



KEY PLAN

LEGEND –THIS SHEET ONLY

8 REMOVE ASBESTOS-CONTAINING TRANSITE-TYPE FLUE(10" DIAMETER BY 14' LENGTH, –FLUE PENETRATES THROUGH ROOF).

GRAPHIC SCALE

0 4' 8' 16' 24' 32'

SCALE: 1/8" = 1'-0"

PROJECT NORTH

C A P E
ENVIRONMENTAL
MANAGEMENT
I N C

20380 S Vermont Ave.
Suite 250
Torrance, CA 90502
(310) 532-4888

REVISIONS:

No.	Date	Remarks

PROJECT NAME:

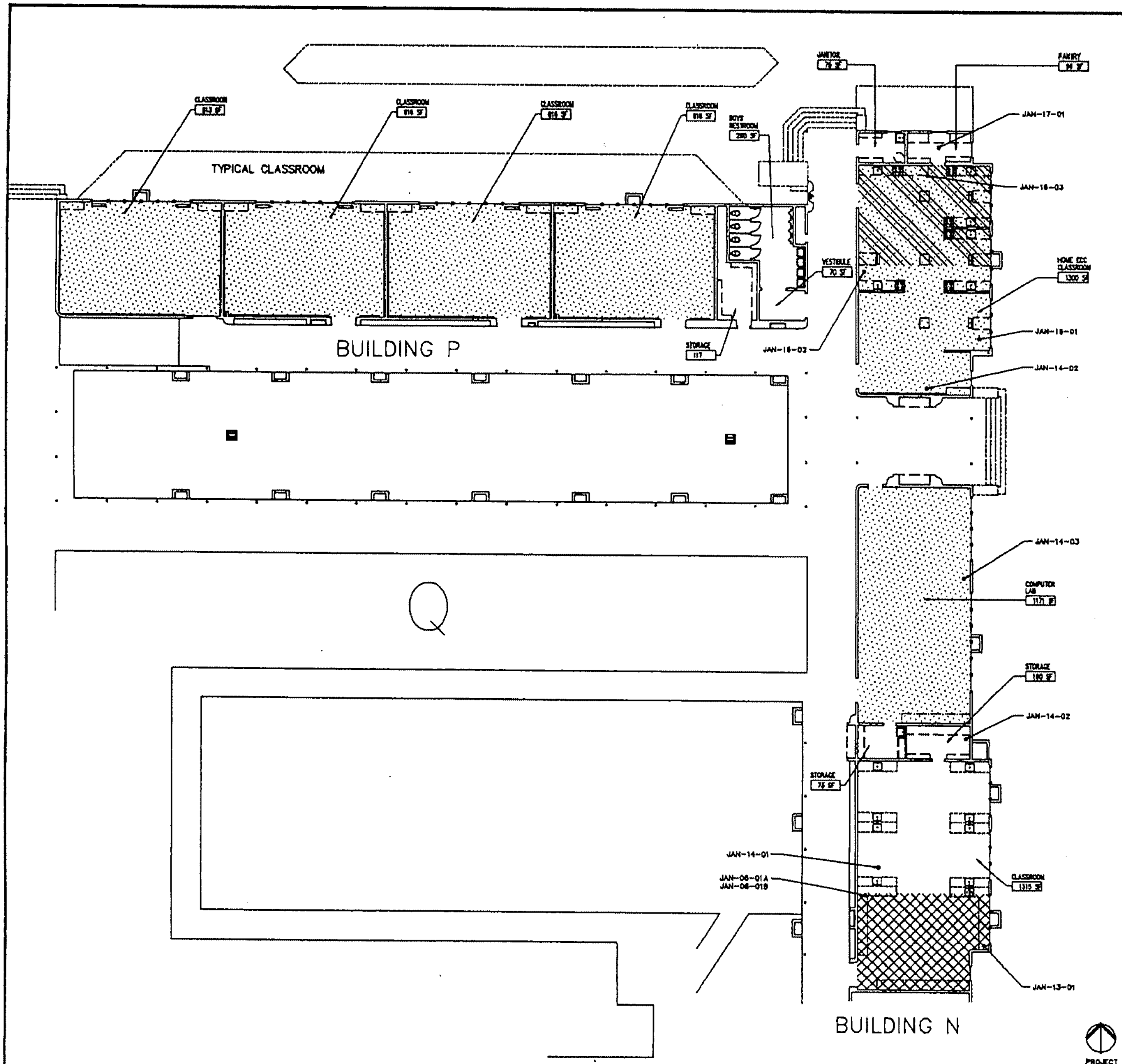
ASBESTOS REMOVAL
JOHN ADAMS
MIDDLE SCHOOL

SHEET TITLE:

BUILDING P
FLOOR PLAN

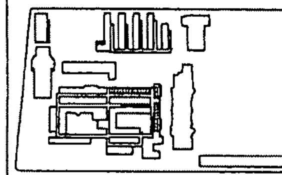
JOB NO. 41017.29

DWG.	DESIGN BY
AR-12	P.MCKINZIE
SH. 17	CHECKED BY K.CATES
A-P.DWG	DATE APR.93



BUILDING "P" AND "N" (PARTIAL)

1/8"=1'-0" 1



KEY PLAN

NOTES:

1. CEMENT ASBESTOS PIPES IN BUILDING "P" CLASSROOMS, AND BUILDING "N" COMPUTER LAB.

LEGEND

- ASBESTOS-CONTAINING ACOUSTICAL PLASTER CEILINGS.
- ASBESTOS-CONTAINING 9"x 9" FLOOR TILE AND MASTIC
- ASBESTOS-CONTAINING 12"x 12" FLOOR TILE AND MASTIC

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ENVIRONMENTAL MANAGEMENT
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Torrance, CA 90502
(310) 533-4030

REVISIONS:

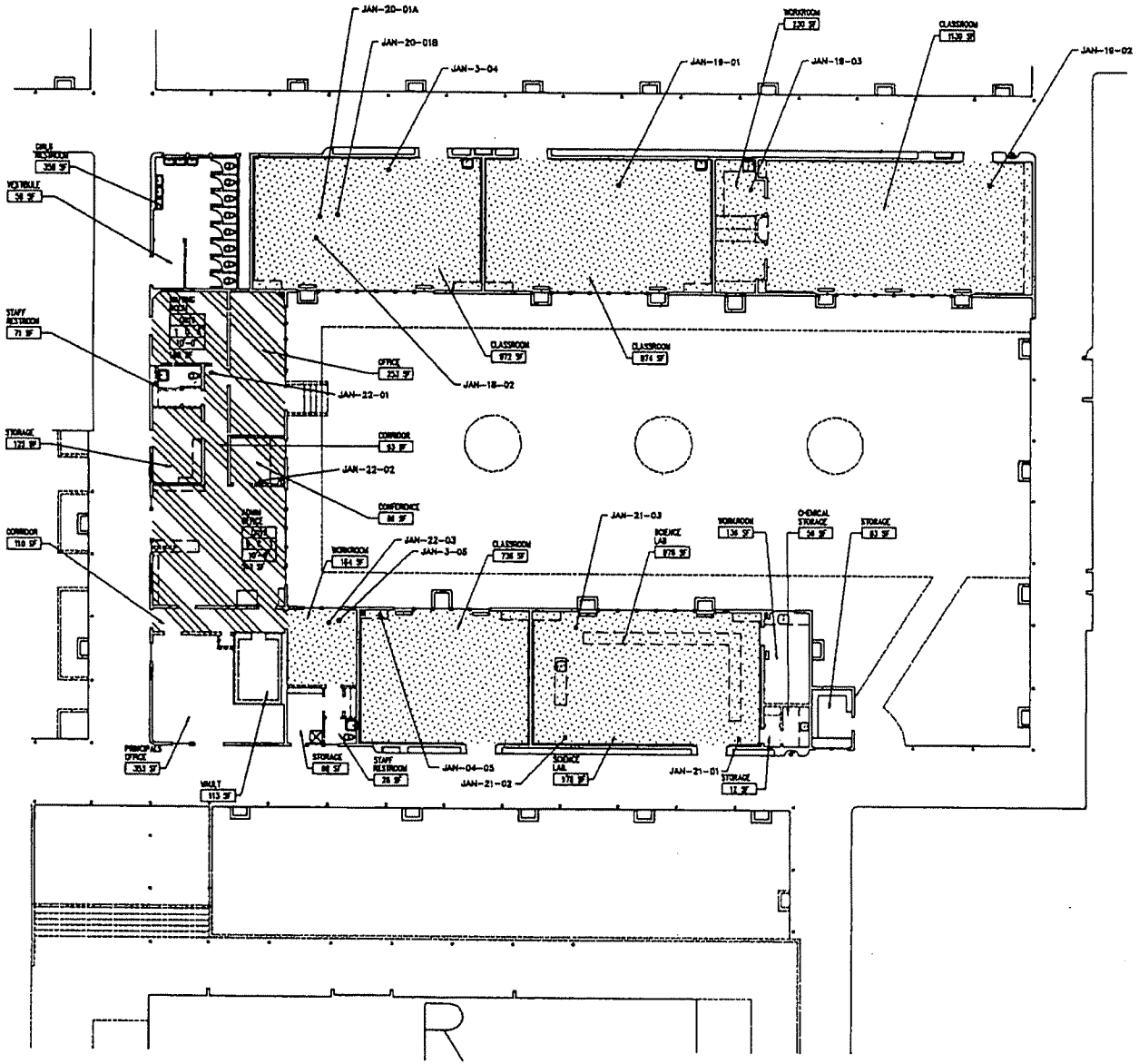
No	Date	Remarks

PROJECT NAME:
JOHN ADAMS MIDDLE SCHOOL

SHEET TITLE:
BUILDING P AND N (PARTIAL) FLOOR PLANS

41917.30

ASB-10 | C.RIOS | K.GATES | A8LDG-P | SEPT. 92



PROJECT NORTH

BUILDING "Q" – DEMOLITION FLOOR PLAN | 1/8"=1'-0" | 1

KEY PLAN

NOTES:

1. ASBESTOS CEMENT FLUES ARE LOCATED IN THE CLASSROOMS.
2. ASBESTOS CONTAINING WINDOW PUTTY LOCATED ON EXTERIOR WINDOW FRAMES.
3. ASSUMED ASBESTOS CONTAINING CHALKBOARDS LOCATED IN CLASSROOMS.

LEGEND

- ASBESTOS-CONTAINING ACOUSTICAL PLASTER CEILINGS.
- ASBESTOS-CONTAINING 12"x 12" FLOOR TILE AND MASTIC

C A P E
ENVIRONMENTAL
MANAGEMENT
I N C
20280 S Vermont Ave
Suite 250
Torrance, CA 90502
(310) 328-4601

REVISIONS:

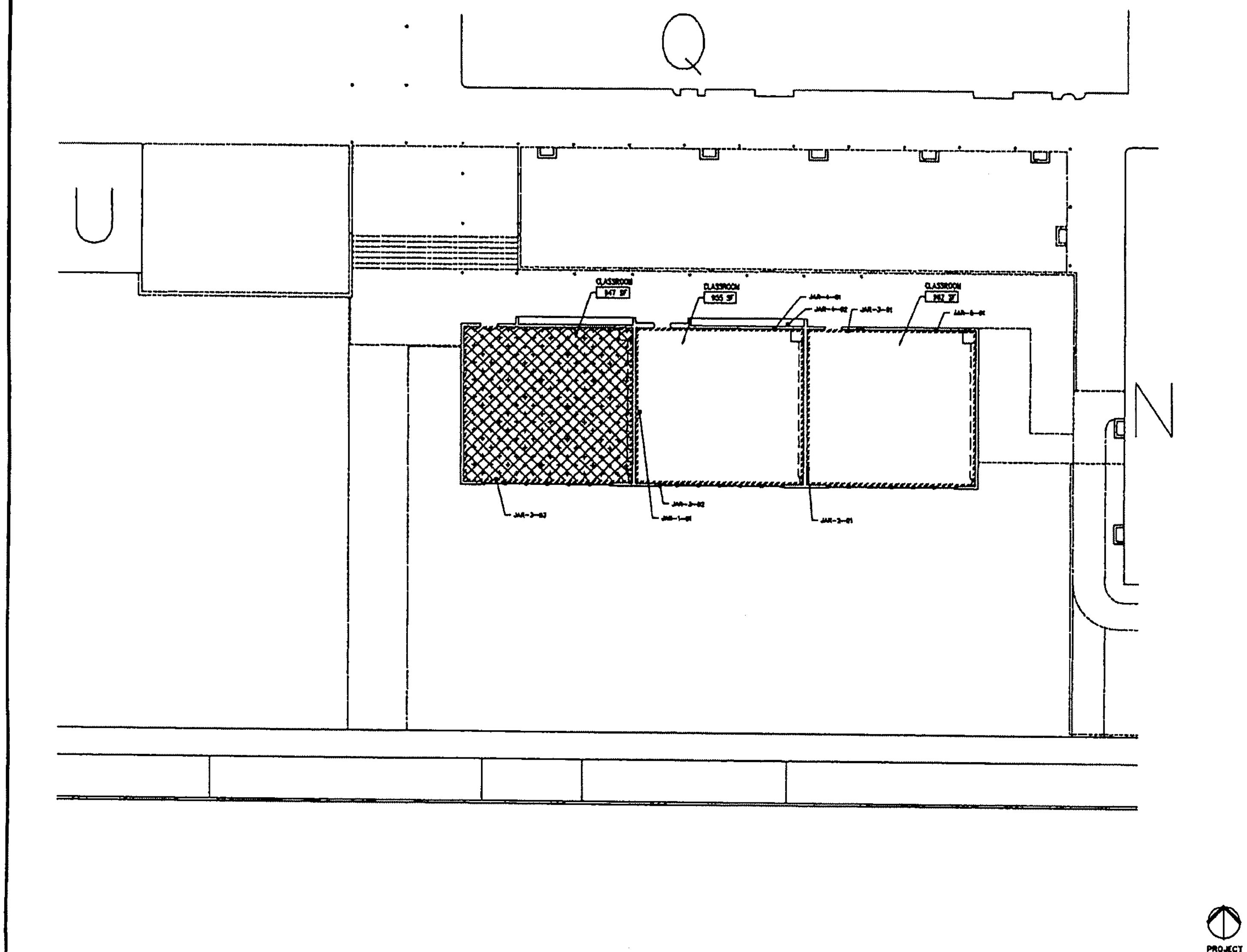
No.	Date	Remarks

PROJECT NAME:
JOHN ADAMS MIDDLE SCHOOL
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT

SHEET TITLE:
BUILDING Q FLOOR PLAN

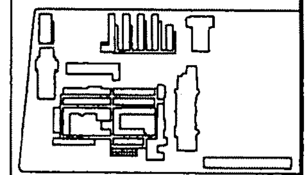
JOB NO. 41017.30

SCALE	DESIGNED BY
ASB-11	C.REIS
	DRAWN BY
	K.GATES
ABLDG-R	DATE
	SEPT. 9



BUILDING "R"

1/8"=1'-0" 1



KEY PLAN

LEGEND

- ASBESTOS-CONTAINING GYPSUM BOARD CEILINGS AND JOINT COMPOUND
- ASBESTOS-CONTAINING 9"x 9" FLOOR TILE AND MASTIC
- ASBESTOS-CONTAINING GYPSUM BOARD WALL AND JOINT COMPOUND

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20280 S Vermont Ave.
Suite 250
Torrance, CA 90502
(310) 632-4600

REVISIONS:

No.	Date	Remarks

PROJECT NAME:

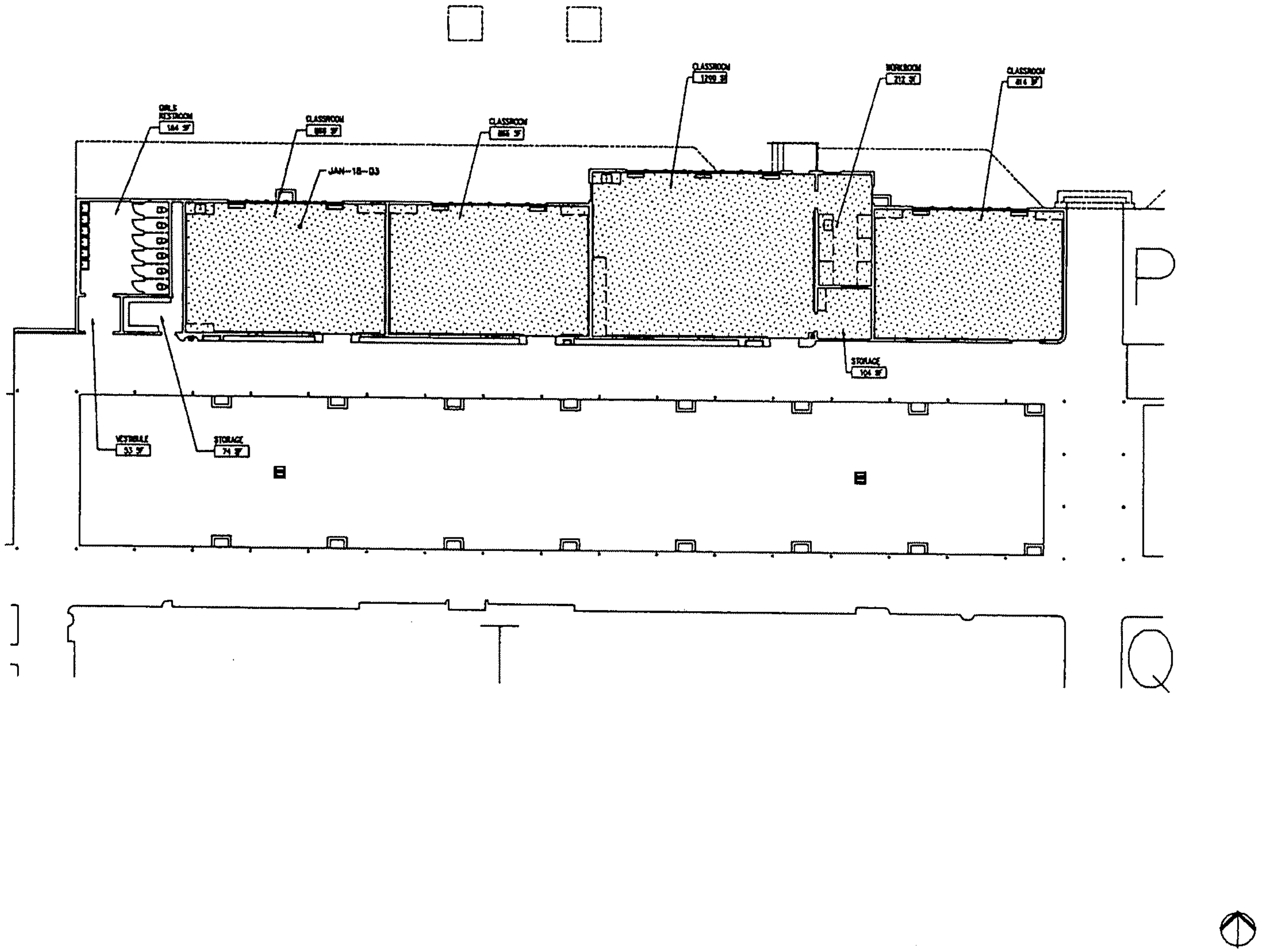
JOHN ADAMS
MIDDLE SCHOOL
SANTA MONICA – MALIBU
UNIFIED SCHOOL DISTRICT

SHEET TITLE:

BUILDING R
FLOOR PLAN

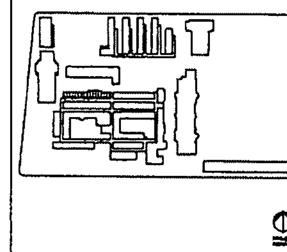
JOB NO. 41017.30

ASB-12 | DRAWN BY: C.RIOS
CHECKED BY: K.GATES
ABLDG-R | DATE: SEPT. 97



BUILDING "S"

1/8"=1'-0" | 1



KEY PLAN

NOTES:
1. CEMENT ASBESTOS FLUES LOCATED IN CLASSROOMS.

LEGEND

▨ ASBESTOS-CONTAINING GYPSUM WALL/CEILINGS AND JOINT COMPOUND

C A P E
ENVIRONMENTAL MANAGEMENT
I N C
Torrance, CA 90502

REVISIONS:

No.	Date	Remarks

PROJECT NAME:
JOHN ADAMS MIDDLE SCHOOL
SANTA MONICA - MALIBU UNIFIED SCHOOL DISTRICT

SHEET TITLE:
BUILDING S FLOOR PLAN

41017.30

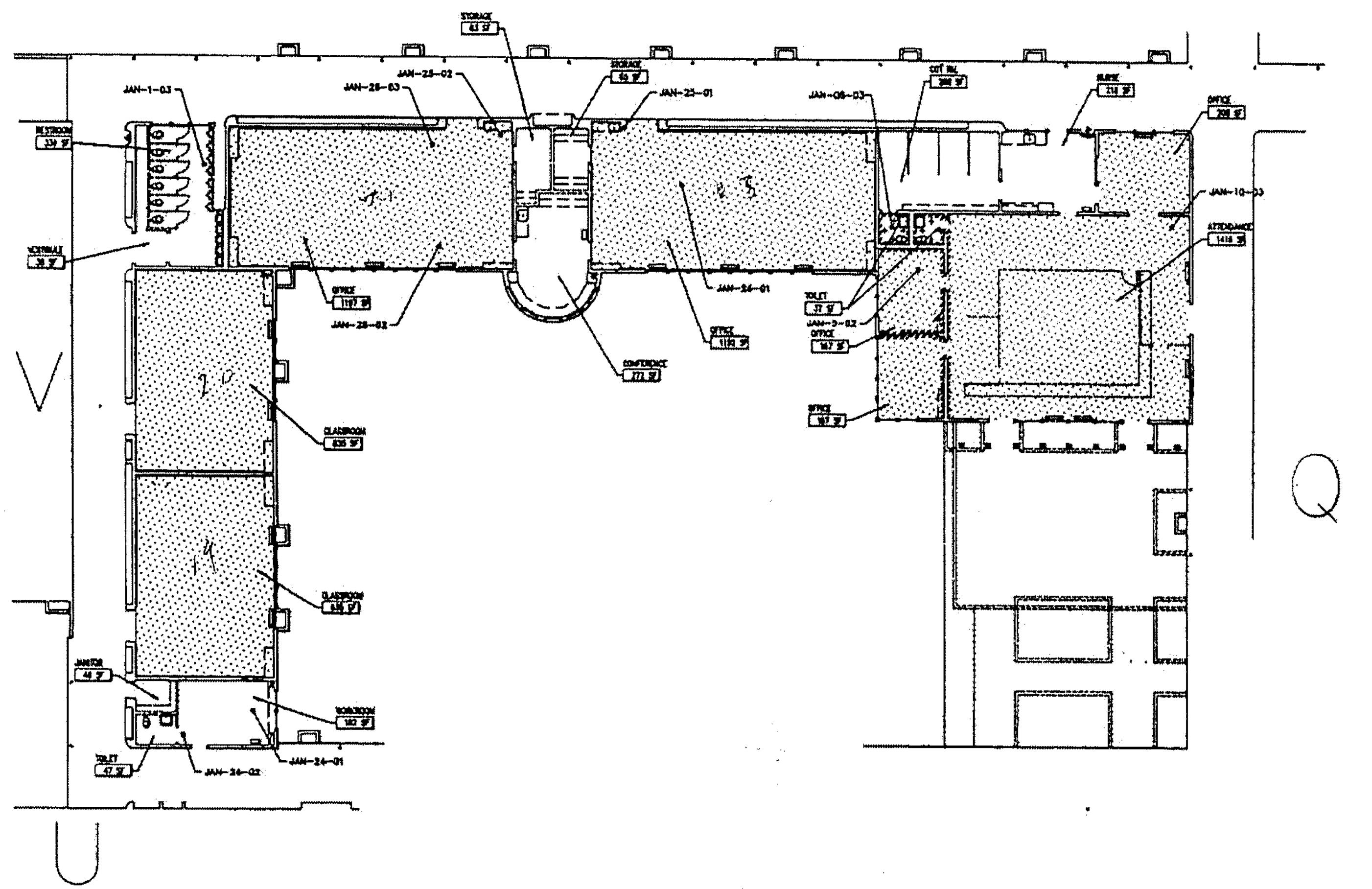
ASB-13

DRAWN BY: C.RIOS

CHECKED BY: K.GATES

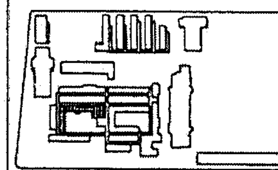
DATE: SEPT. 92

ABLDG-S



BUILDING "T"

1/8"=1'-0" | 1



KEY PLAN

NOTES:

1. CEMENT ASBESTOS FLUES LOCATED IN CLASSROOMS.

2. ASBESTOS CONTAINING WINDOW PUTTY LOCATED ON EXTERIOR WINDOW FRAMES.

3. ASSUMED ASBESTOS CONTAINING CHALKBOARDS LOCATED IN CLASSROOMS.

LEGEND

ASBESTOS-CONTAINING ACOUSTICAL PLASTER CEILINGS

ASBESTOS-CONTAINING GYPSUM CEILINGS AND JOINT COMPOUND

ASBESTOS-CONTAINING GYPSUM BOARD WALLS AND JOINT COMPOUND

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MANAGEMENT
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20830 S Vermont Ave.
Suite 250
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(310) 533-4880

REVISIONS:

No.	Date	Remarks

PROJECT NAME:

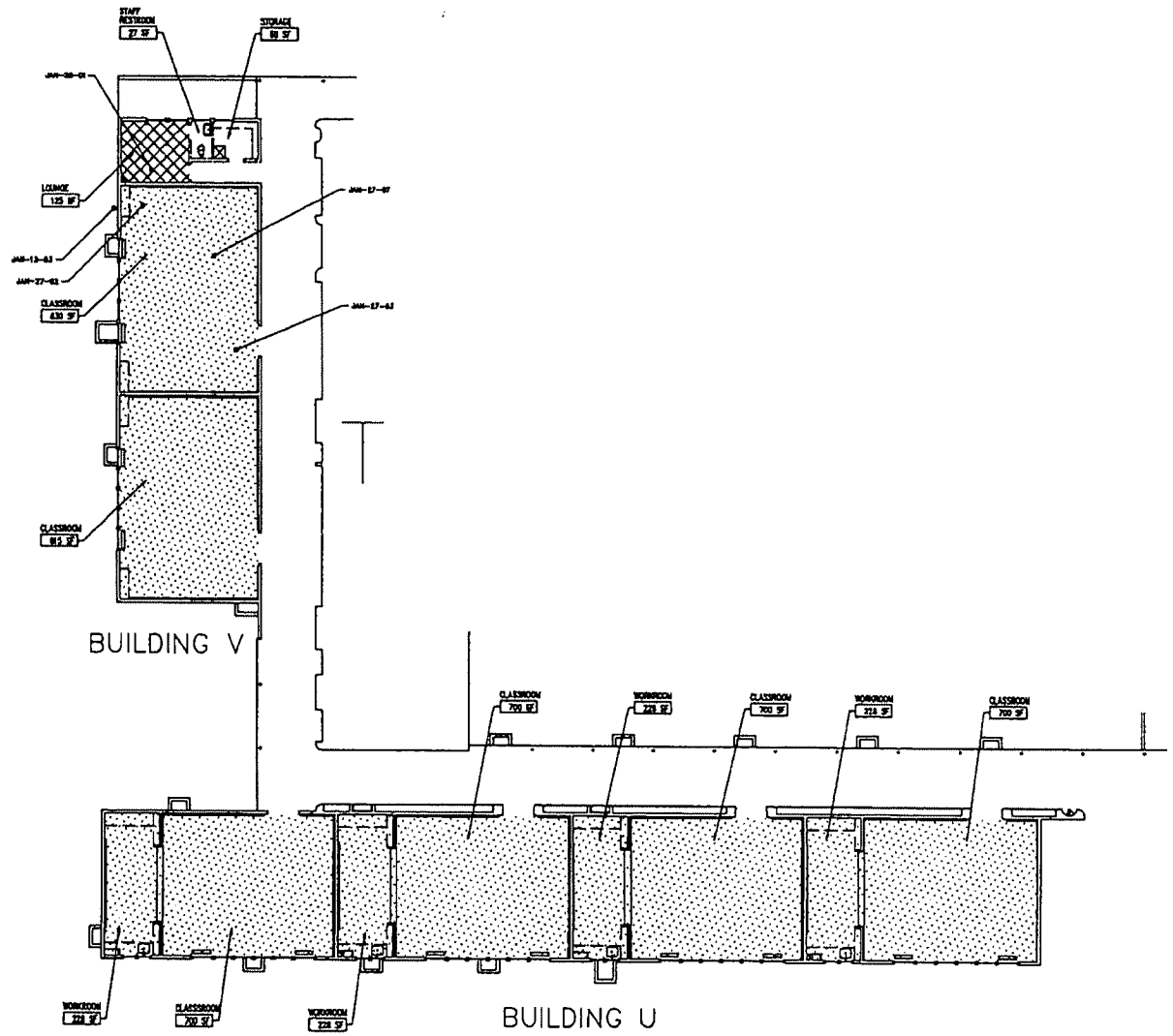
JOHN ADAMS
MIDDLE SCHOOL

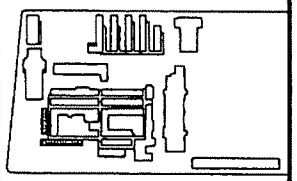
SHEET TITLE:

BUILDING T
FLOOR PLAN

JOB NO. 41017.30

ASB-14	DRAWN BY: C.RIOS
	CHECKED BY: K.GATES
ABLDG-T	DATE: SEPT. 93





KEY PLAN

1. ASBESTOS CONTAINING WINDOW PUTTY LOCATED ON EXTERIOR WINDOW FRAMES.

2. ASSUMED ASBESTOS CONTAINING CHALKBOARDS LOCATED IN CLASSROOMS.

3. ASSUMED ASBESTOS CONTAINING CEMENT FLUES LOCATED IN BUILDING.

LEGEND

ASBESTOS-CONTAINING ACOUSTICAL PLASTER CEILINGS

ASBESTOS-CONTAINING 9"x 9" FLOOR TILE AND MASTIC

PROJECT NORTH

BUILDING "U" AND "V"

1/8"=1'-0" | 1

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20580 S Vermont Ave.
Suite 200
Torrance, CA 90502
(310) 532-4600

REVISIONS:

No	Date	Revision

PROJECT NAME:
JOHN ADAMS MIDDLE SCHOOL
SANTA MONICA - MALIBU UNIFIED SCHOOL DISTRICT

SHEET TITLE:
BUILDING U AND V FLOOR PLANS

JOB NO. 41017.30

DATE: AUG-15
DRAWN BY: C.ROS
CHECKED BY: K.GATES
FILE NO: ABLDG-U
DATE: SEPT. 92

TABLE 4.1

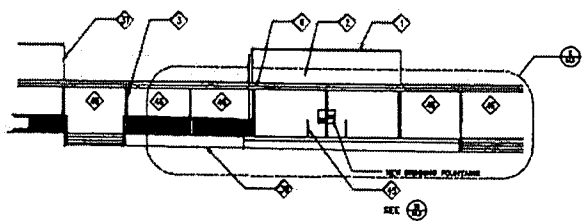
SUMMARY OF SUSPECT ASBESTOS-CONTAINING MATERIAL
BULK SAMPLE LABORATORY ANALYSIS RESULTS
JOHN ADAMS MIDDLE SCHOOL

SAMPLE NUMBER	MATERIAL DESCRIPTION/LOCATION	LABORATORY ANALYSIS RESULTS
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

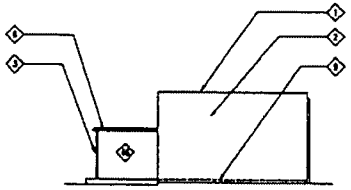
TABLE 4.2

SUMMARY OF QUALITY CONTROL SUSPECT ASBESTOS-CONTAINING MATERIAL
BULK SAMPLE LABORATORY ANALYSIS RESULTS
JOHN ADAMS MIDDLE SCHOOL

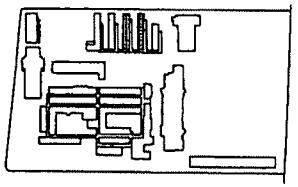
SAMPLE NUMBER	MATERIAL DESCRIPTION	PRIMARY LABORATORY	QUALITY CONTROL
QC-JAR-03-01	Gypsum board walls and clgs/joint compound	2% chrysotile	1-2% chrysotile
QC-JAN-08-01	9"x 9" floor tile - beige w/white streaks and mastic	5% chrysotile (T) 10% chrysotile (M)	20% chrysotile (T) 15% chrysotile (M)
QC-JAN-04-01	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



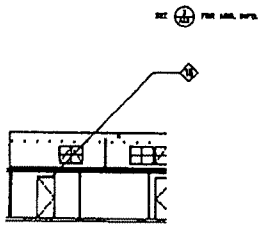
BUILDING E SOUTH ELEVATION | 1/8"=1'-0" | 2



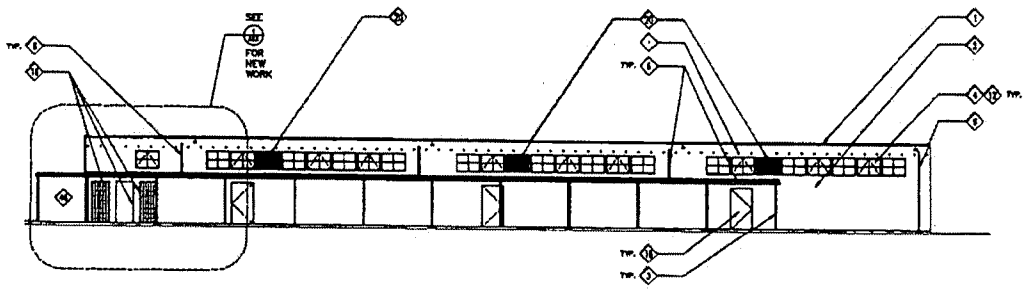
BUILDING E NORTH ELEVATION | 1/8"=1'-0" | 1



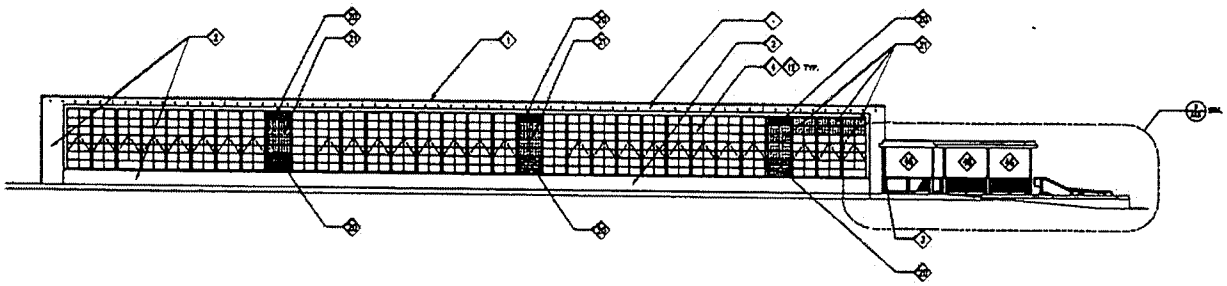
KEY PLAN



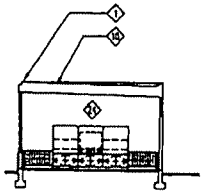
EAST ELEVATION | 1/8"=1'-0" | 4



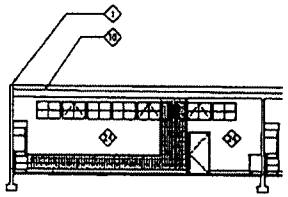
BUILDING E EAST ELEVATION | 1/8"=1'-0" | 3



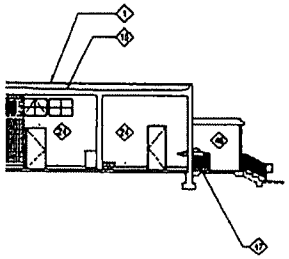
BUILDING E WEST ELEVATION | 1/8"=1'-0" | 5



NG E SECTION | 1/8"=1'-0" | 8



BUILDING E SECTION | 1/8"=1'-0" | 7



BUILDING F SECTION | 1/8"=1'-0" | 6

REFERENCE NOTES

1. EXISTING COPING/FACIA – PAINT.
2. EXISTING PLASTER – PAINT.
3. EXISTING PIPE COLUMN – PAINT.
4. EXISTING WINDOW FRAME – PAINT.
5. EXISTING LOUVER/VENT – PAINT.
6. EXISTING GUTTER/DOWNSPOUT – PAINT.
7. EXISTING MASONRY WALL.
8. EXISTING EXPOSED MECHANICAL EQUIPMENT – SEE MECHANICAL DRAWINGS.
9. EXISTING FLOOR LINE.
10. EXISTING ROOF LINE.
11. EXISTING CEILING LINE.
12. EXISTING GLAZING – CLEAN AND INSTALL NEW "SEISMIC" FILM.
13. EXISTING SKYLIGHT.
14. EXISTING FIRE HOSE CABINET (INOPERATIVE) – REMOVE AND FRAME OPENING – PROVIDE NEW LATH AND PLASTER FINISH WITH TEXTURE TO MATCH EXISTING – PAINT.
15. EXISTING LOUVERED PARAPET – PAINT.
16. REMOVE EXISTING DOOR AND FRAME – SEE FLOOR PLAN.
17. REMOVE EXISTING WINDOW AND FRAME – FRAME OPENING AND PROVIDE NEW LATH AND PLASTER FINISH WITH TEXTURE TO MATCH EXISTING – PAINT.
18. DOOR AND FRAME – PAINT.
19. NEW LOCKERS.
20. REMOVE EXISTING GLAZING AND WOOD SASH – INSTALL NEW LOUVER ASSEMBLY WITHIN EXISTING WINDOW FRAME – PAINT.
21. REMOVE EXISTING GLAZING – INSTALL NEW SPANDREL PANEL WITHIN EXISTING SASH AND SECURE SASH TO FRAME WITH APPROPRIATE SCREWS – PAINT.
22. NEW WALL – SEE FLOOR PLAN.
23. NEW CEILING LINE – SEE REFLECTED CEILING PLAN.
24. SEE INTERIOR ELEVATIONS.
25. NEW CHAIN LINK FENCE.
26. NEW CHAIN LINK GATE(S).
27. REMOVE EXISTING SIGNAGE.
28. NEW SIGNAGE.
29. NEW SITE WALL – SEE SITE PLAN.
30. NEW CONCRETE SLAB.
31. EXISTING ATTIC SPACE.
32. NEW DOOR OPENING – SEE FLOOR PLAN.
33. NEW WINDOW OPENING – SEE FLOOR PLAN.
34. EXISTING CLAY TILE VENTS – REPLACE WIRE MESH.
35. EXISTING STAGE FRAMING.
36. EXISTING STRUCTURE.
37. FACE OF ADJACENT BUILDING.
38. LINE OF WALL IN FOREGROUND.
39. EXISTING FINISH GRADE – SEE SITE PLAN.
40. NEW FINISH GRADE – SEE SITE PLAN.
41. NEW ROOF CANOPY WITH GUTTER TO MATCH EXISTING – PAINT.
42. NEW DOWNSPOUT TO MATCH EXISTING – PAINT.
43. NEW PIPE COLUMN – PAINT.
44. REMOVE EXISTING FRAMED SILL TO ACCOMMODATE NEW DOOR OPENING.
45. NEW HANDRAIL.
46. OPEN BEYOND.

ADDITIONAL NOTES SPECIFIC TO THIS SHEET

47. NEW GUARDRAIL.

Wolff/Lang/Christopher Architects, Incorporated

JOHN ADAMS MIDDLE SCHOOL

SANTA MONICA-MALIBU SCHOOL DISTRICT

ES RECONSTRUCTION

CONSULTANT

APPROVED

APPROVED

APPROVED

NO	DATE	BY	REMARKS

BLD'G "E" & "
EXT. ELEVATIONS
& SECTIONS

DRAWN WLC
CHECKED WP
DATE NOV. 1992
SCALE AS NOTED
JOB NO. 9113100

A3.6