

A-Tech Consulting, Inc.

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LIMITED ASBESTOS & XRF-LEAD ASSESSMENT

R.H. Dana Elementary School

24242 La Cresta Drive, Roofs

City of Dana Point County of Orange State of California

Project Number: Atch-220235

February 22, 2022

PREPARED FOR:

Capistrano Unified School District

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Cover

ASBESTOS

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Atch-220235 Limited Asbestos Assessment 24242 La Cresta Drive Dana Point, California 92629

February 22, 2022

Capistrano Unified School District 32972 Calle Perfecto San Juan Capistrano, California 92675

- Attn: Mr. Steve Matteson, Jr.
- Re: R.H. Dana Elementary School 24242 La Cresta Drive, Roofs Dana Point, California 92629

Pursuant to your request, A-Tech Consulting, Inc. (A-Tech) has completed a Limited Asbestos Assessment of the Roofs of R.H. Dana Elementary School located at 24242 La Cresta Drive, in Dana Point, California. The following report summarizes the findings of this inspection. Please direct all questions for this project to A-Tech's CSST or CAC who performed the sampling at (800) 434-1025 or pm@atechinc.net.

1.0 INTRODUCTION

A-Tech was contacted by Mr. Steve Matteson, Jr. with Capistrano Unified School District to confirm the presence or absence of asbestos on the Roofs of the R.H. Dana Elementary School located at 24242 La Cresta Drive, (subject property), in Dana Point, California. The assessment was conducted by Grant Tercero – CAC #10-6833 on January 24, 2022, and by Kevin Cullen - CSST #18-6418, under the supervision of Robert Williams - CAC #96-1980, on February 04, 2022. This report is not intended to be a comprehensive assessment.

2.0 SCOPE OF ASSESSMENT

This limited asbestos assessment was performed to identify visible and/or readily accessible suspect friable and non-friable Asbestos-Containing Building Materials (ACBMs) at a subject property. The intent of this assessment was to satisfy all regulatory requirements for renovation and/or demolition. Friable ACM, as defined by the U.S. Environmental Protection Agency (EPA) and South Coast Air Quality Management District (SCAQMD), Rule 1403, is a material that, when dry, can be easily pulverized, crushed or reduced to powder by hand pressure. Non-friable ACBM that can potentially be broken, crumbled, pulverized or reduced to powder in the course of demolition or renovation activities are classified as Category I or Category II, non-friable ACBM. These assessments are typically accomplished by, and limited to, an in-depth site reconnaissance, a review of readily available building records, and a review of readily available asbestos Operation and Maintenance (O&M) plans. In the event that suspected or known ACBMs exist at a given site, samples of the potential ACBMs may be collected for subsequent laboratory analysis.

This inspection was limited to representative locations in the project area that may be affected by the renovation activities. Limited intrusive and/or non-destructive sampling was conducted as a part of the scope of services performed. If additional suspect materials are observed by the contractor, abatement contractor, building owner and/or its representatives, A-Tech should be notified to conduct additional testing. Certain materials may not have been visible/accessible during the initial assessment such as subsurface materials, live electrical equipment, materials in pipe chases, barrier paper under wood, sub-slab membranes, materials under the building structure, in wall and ceiling cavities, etc.

This Limited Asbestos Assessment was conducted in accordance with the Scope of Services authorized by Mr. Steve Matteson, Jr. with Capistrano Unified School District in accordance with current regulatory guidelines. All sampling was conducted at the direction of Mr. Steve Matteson, Jr. and was limited to the areas and materials with the potential for impact during any upcoming renovation activities.

3.0 PREVIOUS ASSESSMENT/HISTORICAL DATA

Previous limited asbestos inspections have been conducted by A-Tech Consulting, Inc. at the subject property; however, not for the specific areas and/or materials included in this assessment.

4.0 VISUAL INSPECTION AND SAMPLING/ANALYTICAL METHODOLOGY

To identify suspect friable and non-friable ACBM, as required under California law, a California Occupational Safety Health Administration (CAL-OSHA) Certified Site Surveillance Technician (CSST) and/or Certified Asbestos Consultant (CAC) is required to conduct visual and/or bulk assessments of a subject property.

During this assessment, A-Tech Consulting, Inc. identified homogeneous areas of suspected ACBMs for purpose of sampling in accordance with current CAL-OSHA/EPA (AHERA) requirements. These areas were defined with respect to similarities in appearance, age, use, type, color, and/or texture. The condition and estimated quantity of the suspected materials were also assessed. Based upon A-Tech's observations, seventeen (17) homogeneous suspect asbestos containing building materials were identified. Only pre-selected materials delineated by Capistrano Unified School District were sampled during this inspection. Please refer to Appendix A for a complete list of sampled materials.

To evaluate the presence of asbestos in these suspected ACBMs, A-Tech Consulting, Inc. obtained sixty-one (61) bulk samples, which appeared to represent each homogeneous area (see tables). However, some of the samples analyzed may have multiple layers of material, which the laboratory is required to separate and analyze independently. The total amount of samples analyzed was one hundred and twelve (112). Regarding multiple layered materials, if one layer tests positive for asbestos content, the entire sample is considered positive.

Note: The Roof with Gravel Cap consists of 1 system and 3 layers. The Asphalt Rolled Roof consists of 1 system and 3 layers.

Materials containing greater than one-tenth of one percent (>0.1%) asbestos by weight is considered positive in this report and defined as asbestos containing construction material (ACCM), and anything >1% is an asbestos containing material.

Following Asbestos Hazard Emergency Response Act (AHERA) inspection methodology, the inspector identifies each suspect material and categorizes it into one of three established material types: surfacing, thermal system or miscellaneous (See Attached Table: Asbestos Bulk Sample Analysis for Individual Sample Identification). The following describes the characteristics for these three categories:

- *Surfacing material* means material in a building that is sprayed on, troweled on, or otherwise applied to surfaces such as acoustical plaster on ceilings, fireproofing materials on structural members, or other materials on surfaces for acoustical, fireproofing, or other purposes.
- *Thermal system insulation* means material in a building applied to pipes, fittings, boilers, breeching, tanks, ducts, or other interior structural components to prevent heat loss or gain, or water condensation, or for other purposes.
- *Miscellaneous material* means interior building material on structural components, structural members or fixtures, such as floor and ceiling tiles, and does not include surfacing material or thermal system insulation.

Amended water-spray wet methods were used during the collection of each friable sample, such as suspended ceiling tiles. Whenever possible A-Tech does not conduct destructive sampling (with the exception of vacant buildings to be demolished). For example, samples of floor tile were collected by taking a small chip out of a corner or area that was already damaged.

After collecting each sample, the sampling equipment was cleaned with a moist towelette. Each sample was sealed in a sample container and assigned a discrete sample identification number.

5.0 LABORATORY ACCREDITATION & ANALYTICAL PROCEDURES

The sixty-one (61) samples obtained from the subject property were delivered to AIH Laboratory, 2556 W Woodland Drive Anaheim, California 92801, (562) 860-2201 and Eurofins EMLab P&K, 2841 Dow Avenue, Suite 300, Tustin California 92780, (866) 888-6653 (under chain-of-custody procedures) for analysis. This laboratories are fully accredited laboratories by the National Institute of Standards and Technology (NIST) through participation in the National Voluntary Laboratory Accreditation Program (NVLAP) lab code #500079-0 and lab code #200757-0, respectively.

The samples were analyzed for asbestos by PLM, using dispersion staining in accordance with U.S. EPA Procedures outlined in 40 CFR 763, Subpart F, Appendix A (AHERA). Utilizing the PLM 600R/R-93/116 method, the result given is a semi-quantitative result (down to <1%) which reflects a calibrated visual estimate from an analyst using both Polarized Light Microscopy and Stereomicroscopy.

6.0 ASBESTOS IDENTIFICATION

Based upon the analytical results, asbestos is present in twenty-two (22) of the samples analyzed, of which all the samples were considered to be non-friable materials. These samples were obtained from the asphalt rolled roofing with mastic (HVAC Mounts and Penetration), penetration mastic, and flashing/penetration mastic.

<u>Sample</u> <u>Number</u>	<u>Material</u>	Sample Location	<u>Asbestos Type -</u> <u>Percentage</u>	<u>Est.</u> Qty.
220235-A-002A	Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations)	Building 1, Roof	Black/grey asphaltic mastic with granules Chrysotile - 4%	150 SF
220235-A-002B	Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations)	Building 1, Roof	Black/grey asphaltic mastic with granules Chrysotile - 4%	See 002A
220235-A-002C	Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations)	Building 1, Roof	Black/grey asphaltic mastic with granules Chrysotile - 4%	See 002A
220235-A-003A	Penetration Mastic	Building 1, Roof	Black asphaltic mastic with coating Chrysotile - 3%	20 SF
220235-A-003B	Penetration Mastic	Building 1, Roof	Black asphaltic mastic with coating Chrysotile - 3%	See 003A
220235-A-003C	Penetration Mastic	Building 1, Roof	Black asphaltic mastic with coating Chrysotile – 3%	See 003A
220235-A-006B	Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations)	Building 2, Roof	Black/grey asphaltic mastic Chrysotile - 4%	40 SF
220235-A-006C	Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations)	Building 2, Roof	Black/grey asphaltic mastic Chrysotile - 4%	See 006B
220235-A-007A	Flashing/Penetration Mastic	Building 2, Roof	Black/grey asphaltic mastic Chrysotile - 4%	30 SF

Based upon the analytical results, asbestos is present in the following material:

<u>Sample</u> <u>Number</u>	<u>Material</u>	Sample Location	<u>Asbestos Type -</u> <u>Percentage</u>	<u>Est.</u> <u>Otv.</u>
220235-A-007B	Flashing/Penetration Mastic	Building 2, Roof	Black/grey asphaltic mastic Chrysotile - 4%	See 007A
220235-A-007C	Flashing/Penetration Mastic	Building 2, Roof	Black/grey asphaltic mastic Chrysotile - 4%	See 007A
220235-A-010A	Flashing/Penetration Mastic	Building 3, Roof	Black/grey asphaltic mastic Chrysotile - 3%	40 SF
220235-A-010C	Flashing/Penetration Mastic	Building 3, Roof	Black/grey asphaltic mastic Chrysotile - 3%	See 010A
220235-A-012A	Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations)	Building 4, Roof	Black/grey asphaltic mastic Chrysotile - 4%	40 SF
220235-A-012B	Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations)	Building 4, Roof	Black/grey asphaltic mastic Chrysotile - 4%	See 012A
220235-A-012C	Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations)	Building 4, Roof	Trace of black/grey asphaltic mastic Chrysotile - 4%	See 012A
220235-A-013A	Flashing/Penetration Mastic	Building 4, Roof	Black/grey asphaltic mastic Chrysotile - 4%	30 SF
220235-A-013B	Flashing/Penetration Mastic	Building 4, Roof	Black/grey asphaltic mastic Chrysotile - 4%	See 013A
220235-A-013C	Flashing/Penetration Mastic	Building 4, Roof	Black/grey asphaltic mastic Chrysotile - 4%	See 013A
220235-A-016A	Flashing/Penetration Mastic	Building 5, Roof	Black/grey asphaltic mastic Chrysotile - 3%	40 SF
220235-A-016B	Flashing/Penetration Mastic	Building 5, Roof	Black/grey asphaltic mastic Chrysotile - 3%	See 016A
220235-A-016C	Flashing/Penetration Mastic	Building 5, Roof	Black/grey asphaltic mastic Chrysotile - 3%	See 016A

Note: Quantity is based on the projected scope of work.

The homogenous locations for the material containing asbestos are as follows:

<u>Material</u>	Material Location(s)
Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations)	Building 1, Roof, Building 2, Roof, Building 4, Roof
Penetration Mastic	Building 1, Roof
Flashing/Penetration Mastic	Building 2, Roof, Building 3, Roof, Building 4, Roof, Building 5, Roof

7.0 BUILDING & MATERIAL CONDITION

The facility structure is in good condition with no structural damage.

The building materials identified as ACBM's are in intact condition and are considered to be nonfriable (See Appendix A. Asbestos Bulk Analysis for detailed information).

Intact ACBM: ACBM with no visible damage or deterioration in less than 1% percent of the material and/or covering.

8.0 RECOMMENDATIONS

Due to the potential hazards of exposure, an Asbestos Management Program (AMP) should be prepared, and implemented, to avoid incidental, and/or accidental disturbance of ACM. The AMP should set forth operational and maintenance guidelines to minimize fiber release, which may be caused by, age, normal wear and tear, delamination, building maintenance, repairs, renovation and other activities which may disturb ACM.

Prior to renovation, specifications should be properly modified to incorporate the removal of ACM. If removal of ACBM is required in connection with demolition, renovation, or building repair, such work should only be performed by personnel who are appropriately trained, experienced, and registered. Intentional disturbance of ACBM should be performed in a manner such that emissions are controlled. Control measures should include, but not be limited to, wet methods; encapsulation, removal with HEPA-filter equipped vacuums, and appropriately labeled polyethylene bags. HVAC systems in work areas where asbestos is to be abated should be performed by or under the direct supervision of a California State Certified Asbestos Consultant before, during, and after the abatement work, as required by EPA and other regulations.

California law requires a building owner to provide tenant, employee and vendor notifications within fifteen (15) days of receipt of information identifying the presence of ACBM in their building(s) and annually thereafter. Specific notification requirements are outlined in Assembly Bill 3713. The Division of Occupational Safety and Health (DOSH or CAL/OSHA) must be notified a minimum of 24 hours prior to the start of any asbestos-abatement project.

The local National Emission Standards for Hazardous Air Pollutants (NESHAP) regulatory agency as listed below must be notified ten (10) working days prior to the start of any demolition or asbestos abatement projects which exceed 100 square feet or 120 linear feet of asbestos-containing material. This project is within the jurisdiction of the South Coast Air Quality Management District (SCAQMD), Rule 1403.

There are potential liabilities associated with the presence, and removal of ACM. Precautionary measures, as outlined herein, should be taken in accordance with the guidelines set forth by the EPA, the Occupational Safety and Health Administration (OSHA) and other regulatory agencies.

If any further suspect asbestos containing materials are discovered and are to be impacted as part of the renovation activities, they must be sampled for asbestos content prior to being impacted.

9.0 LIMITATIONS

The conclusions presented in this report are professional opinions based solely upon visual observations at the site and laboratory analysis of the tested samples. They are intended exclusively for the purpose outlined herein, and for the site location and project indicated.

This assessment report is not specifications for asbestos abatement and it should not be used as a stand-alone asbestos abatement bid document. Recognizing that even the most comprehensive assessment may fail to detect ACBM at a particular site, this study was not intended to identify all potential ACBM present in the building or at the site for such reasons as the possible existence of buried, covered and inaccessible areas and features. A-Tech does not warrant that all sub-surface, wall cavity or other inaccessible materials were tested. A-Tech did not test any live electrical components or disassemble operational building equipment such as fans or HVAC components. These components may contain untested suspect ACBM's. If any suspect ACBMs not tested herein are discovered, they must be tested prior to impact.

Samples were collected from materials of similar appearance, age, use, type, color and/or texture. However, this does not guarantee that they are of the same composition. No guarantee is expressed or implied that all ACBM has been identified. Asbestos quantities are estimates only (see Asbestos Tables-Est. Qty.) Exact quantities should be verified by the abatement contractor prior to removal.

A-Tech assumes no responsibility for the identification of suspect asbestos containing materials, which are not included in this assessment, concealed and/or inaccessible (i.e. locked rooms, under carpet, etc.) However, A-Tech makes every attempt possible to inspect all designated areas for asbestos containing materials (i.e. check under carpeting, inspect attic, crawl space, etc.).

Services performed by A-Tech were conducted in a manner above the care and skill ordinarily and currently exercised by members of the same profession that even the most comprehensive scope of services might fail to detect environmental liabilities on a particular site. Therefore, A-Tech cannot act as insurers and cannot "certify" that a site is free of environmental contamination.

No expressed or implied representation or warranty is included or intended in our reports, except that our services were performed, within the limits prescribed by the Scope of Services, with the customary thoroughness and competence of our profession.

This report is intended for the sole use of the contracted Client and its authorized representatives. The exchange of information was unique between A-Tech and the client regarding the mutually agreed upon scope of service. Unless explicitly authorized in this report, no third party is beneficiary to the contract or findings of this report. The unauthorized use or reliance of this document or the findings, conclusion or recommendations presented herein, by any other party or parties is at the sole risk of any such third party. For the same reasons, no warranties or representations, expressed or implied in this report, are provided to any such third party.

Information and opinions presented herein apply to the existing and reasonable foreseeable site conditions at the time of our investigation. They cannot necessarily apply to site changes of which this office is unaware and have not had the opportunity to review. Changes in the conditions of this property may occur with time due to natural processes or works of man on the subject property or on adjacent properties. Changes in applicable standards may also occur as a result of legislation or the broadening of knowledge. Accordingly, the findings of this report may be invalidated, wholly or in part by changes beyond our control.

A-Tech trusts that the information presented herein provides the data you require. Should you have any questions or comments please contact A-Tech Consulting, Inc. at (800) 434-1025.

Respectfully submitted, A-Tech Consulting, Inc.

Robert L. Williams, DPH, CAC, CIEC Certified Asbestos Consultant #96-1980



Asbestos Bulk Analysis

Location: R.H. Dana Elementary School, 24242 La Cresta Drive

Area: Roofs

Asbestos Type -Est. **Sample Sample Location Classification** Friability **Material** Pos/Neg Cond. Access. Number Percentage <u>Otv.</u> Black/grey asphaltic Asphalt Rolled Roofing with Non-220235-A-002A Mastic (HVAC Mounts and Building 1, Roof Positive mastic with granules Misc. 150 SF Intact Low Friable Penetrations) Chrysotile - 4% Asphalt Rolled Roofing with Black/grey asphaltic Non-220235-A-002B Mastic (HVAC Mounts and Building 1, Roof Positive mastic with granules Misc. Intact Low See 002A Friable Chrysotile - 4% Penetrations) Asphalt Rolled Roofing with **Black/grey** asphaltic Non-Mastic (HVAC Mounts and mastic with granules 220235-A-002C Building 1, Roof Positive Misc. Intact Low See 002A Friable Penetrations) Chrysotile - 4% **Black asphaltic mastic** Non-220235-A-003A Building 1, Roof Positive with coating 20 SF Penetration Mastic Misc. Intact Low Friable Chrysotile - 3% **Black asphaltic mastic** Nonwith coating 220235-A-003B Penetration Mastic Building 1, Roof Positive Misc. Intact Low See 003A Friable Chrysotile - 3% **Black asphaltic mastic** Non-Building 1, Roof See 003A 220235-A-003C Penetration Mastic Positive with coating Misc. Intact Low Friable Chrysotile - 3% 220235-A-004A Flashing Mastic Building 1, Roof Negative None Detected N/A N/A N/A N/A N/A 220235-A-004B Flashing Mastic Building 1, Roof Negative None Detected N/A N/A N/A N/A N/A 220235-A-004C Flashing Mastic Building 1, Roof Negative None Detected N/A N/A N/A N/A N/A Asphalt Rolled Roofing with 220235-A-006A Mastic (HVAC Mounts and Building 2, Roof None Detected N/A Negative N/A N/A N/A N/A Penetrations)

Client Name: Capistrano Unified School District



<u>Sample</u> <u>Number</u>	<u>Material</u>	Sample Location	Pos/Neg	<u>Asbestos Type -</u> <u>Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est.</u> <u>Otv.</u>
220235-A-006B	Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations)	Building 2, Roof	Positive	Black/grey asphaltic mastic Chrysotile - 4%	Misc.	Non- Friable	Intact	Low	40 SF
220235-A-006C	Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations)	Building 2, Roof	Positive	Black/grey asphaltic mastic Chrysotile - 4%	Misc.	Non- Friable	Intact	Low	See 006B
220235-A-007A	Flashing/Penetration Mastic	Building 2, Roof	Positive	Black/grey asphaltic mastic Chrysotile - 4%	Misc.	Non- Friable	Intact	Low	30 SF
220235-A-007B	Flashing/Penetration Mastic	Building 2, Roof	Positive	Black/grey asphaltic mastic Chrysotile - 4%	Misc.	Non- Friable	Intact	Low	See 007A
220235-A-007C	Flashing/Penetration Mastic	Building 2, Roof	Positive	Black/grey asphaltic mastic Chrysotile - 4%	Misc.	Non- Friable	Intact	Low	See 007A
220235-A-009A	Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations)	Building 3, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
220235-A-009B	Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations)	Building 3, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
220235-A-009C	Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations)	Building 3, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
220235-A-010A	Flashing/Penetration Mastic	Building 3, Roof	Positive	Black/grey asphaltic mastic Chrysotile - 3%	Misc.	Non- Friable	Intact	Low	40 SF
220235-A-010B	Flashing/Penetration Mastic	Building 3, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
220235-A-010C	Flashing/Penetration Mastic	Building 3, Roof	Positive	Black/grey asphaltic mastic Chrysotile - 3%	Misc.	Non- Friable	Intact	Low	See 010A



<u>Sample</u> <u>Number</u>	<u>Material</u>	Sample Location	Pos/Neg	<u>Asbestos Type -</u> <u>Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est.</u> <u>Otv.</u>
220235-A-012A	Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations)	Building 4, Roof	Positive	Black/grey asphaltic mastic Chrysotile - 4%	Misc.	Non- Friable	Intact	Low	40 SF
220235-A-012B	Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations)	Building 4, Roof	Positive	Black/grey asphaltic mastic Chrysotile - 4%	Misc.	Non- Friable	Intact	Low	See 012A
220235-A-012C	Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations)	Building 4, Roof	Positive	Trace of black/grey asphaltic mastic Chrysotile - 4%	Misc.	Non- Friable	Intact	Low	See 012A
220235-A-013A	Flashing/Penetration Mastic	Building 4, Roof	Positive	Black/grey asphaltic mastic Chrysotile - 4%	Misc.	Non- Friable	Intact	Low	30 SF
220235-A-013B	Flashing/Penetration Mastic	Building 4, Roof	Positive	Black/grey asphaltic mastic Chrysotile - 4%	Misc.	Non- Friable	Intact	Low	See 013A
220235-A-013C	Flashing/Penetration Mastic	Building 4, Roof	Positive	Black/grey asphaltic mastic Chrysotile - 4%	Misc.	Non- Friable	Intact	Low	See 013A
220235-A-014A	Sheet Roofing Core	Building 5, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
220235-A-014B	Sheet Roofing Core	Building 5, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
220235-A-014C	Sheet Roofing Core	Building 5, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
220235-A-015A	Rolled Roof with Roof Patches Core (Gravel Cap)	Building 5, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
220235-A-015B	Rolled Roof with Roof Patches Core (Gravel Cap)	Building 5, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
220235-A-015C	Rolled Roof with Roof Patches Core (Gravel Cap)	Building 5, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample</u> <u>Number</u>	<u>Material</u>	Sample Location	Pos/Neg	<u>Asbestos Type -</u> <u>Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est.</u> <u>Otv.</u>
220235-A-015D	Rolled Roof with Roof Patches Core (Gravel Cap)	Building 5, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
220235-A-015E	Rolled Roof with Roof Patches Core (Gravel Cap)	Building 5, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
220235-A-016A	Flashing/Penetration Mastic	Building 5, Roof	Positive	Black/grey asphaltic mastic Chrysotile - 3%	Misc.	Non- Friable	Intact	Low	40 SF
220235-A-016B	Flashing/Penetration Mastic	Building 5, Roof	Positive	Black/grey asphaltic mastic Chrysotile - 3%	Misc.	Non- Friable	Intact	Low	See 016A
220235-A-016C	Flashing/Penetration Mastic	Building 5, Roof	Positive	Black/grey asphaltic mastic Chrysotile - 3%	Misc.	Non- Friable	Intact	Low	See 016A
220235-A-017A	HVAC Mount Mastic	Building 5, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
220235-A-017B	HVAC Mount Mastic	Building 5, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
220235-A-017C	HVAC Mount Mastic	Building 5, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
220235-A-018A	Bituminous Rolled Roofing (Gravel Cap)	Building 1, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
220235-A-018B	Bituminous Rolled Roofing (Gravel Cap)	Building 1, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
220235-A-018C	Bituminous Rolled Roofing (Gravel Cap)	Building 1, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
220235-A-018D	Bituminous Rolled Roofing (Gravel Cap)	Building 1, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Material</u>	Sample Location	Pos/Neg	<u>Asbestos Type -</u> <u>Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est.</u> Oty.
Bituminous Rolled Roofing (Gravel Cap)	Building 1, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
Bituminous Rolled Roofing (Gravel Cap)	Building 2, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
Bituminous Rolled Roofing (Gravel Cap)	Building 2, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
Bituminous Rolled Roofing (Gravel Cap)	Building 2, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
Bituminous Rolled Roofing (Gravel Cap)	Building 2, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
Bituminous Rolled Roofing (Gravel Cap)	Building 2, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
Bituminous Rolled Roofing (Gravel Cap)	Building 3, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
Bituminous Rolled Roofing (Gravel Cap)	Building 3, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
Bituminous Rolled Roofing (Gravel Cap)	Building 3, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
Bituminous Rolled Roofing (Gravel Cap)	Building 3, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
Bituminous Rolled Roofing (Gravel Cap)	Building 3, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
Bituminous Rolled Roofing (Gravel Cap)	Building 4, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
Bituminous Rolled Roofing (Gravel Cap)	Building 4, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
	MaterialBituminous Rolled Roofing (Gravel Cap)Bituminous Rolled Roofin	MaterialSample LocationBituminous Rolled Roofing (Gravel Cap)Building 1, RoofBituminous Rolled Roofing (Gravel Cap)Building 2, RoofBituminous Rolled Roofing (Gravel Cap)Building 3, RoofBituminous Rolled Roofing (Gravel Cap)Building 4, RoofBituminous Rolled Roofing (Gravel Cap)Building 4, Roof	MaterialSample LocationPos/NegBituminous Rolled Roofing (Gravel Cap)Building 1, RoofNegativeBituminous Rolled Roofing (Gravel Cap)Building 2, RoofNegativeBituminous Rolled Roofing (Gravel Cap)Building 3, RoofNegativeBituminous Rolled Roofing (Gravel Cap)Building 4, RoofNegativeBituminous Rolled Roofing (Gravel Cap)Building 4, RoofNegative	MaterialSample LocationPos/NegAsbestos Type-: PercentageBituminous Rolled Roofing (Gravel Cap)Building 1, RoofNegativeNone DetectedBituminous Rolled Roofing (Gravel Cap)Building 2, RoofNegativeNone DetectedBituminous Rolled Roofing (Gravel Cap)Building 3, RoofNegativeNone DetectedBituminous Rolled Roofing (Gravel Cap)Building 4, Ro	MaterialSample LocationPos/NecAsbestos Type:- PercentageClassificationBituminous Rolled Roofing (Gravel Cap)Building 1, RoofNegativeNone DetectedN/ABituminous Rolled Roofing (Gravel Cap)Building 2, RoofNegativeNone DetectedN/ABituminous Rolled Roofing (Gravel Cap)Building 3, RoofNegativeNone DetectedN/A <t< td=""><td>MaterialSample LocationPos/NegAsbestos Type- PercentageClassificationFisibilityBituminous Rolled Roofing (Gravel Cap)Building 1, RoofNegativeNone DetectedN/AN/ABituminous Rolled Roofing (Gravel Cap)Building 2, RoofNegativeNone DetectedN/AN/ABituminous Rolled Roofing (Gravel Cap)Building 3, RoofNegativeNone Detected<!--</td--><td>MaterialSample LocationPas/NegAsbestor Type, ParcentageClassificationFieldbiltyScond.Biluminous Rolled Roofing (Gravel Cap)Building 1, RoofNegativeNone DetectedN/AN/ABituminous Rolled Roofing (Gravel Cap)Building 2, RoofNegativeNone DetectedN/AN/ABituminous Rolled Roofing (Gravel Cap)Building 3, RoofNegative</td><td>MaterialSample LocationPox/XepAbsettor Type- PercentageClassificationFriabilityCond.Access.Bituminous Rolled Roofing (Gravel Cap)Building 1, RoofNegativeNone DetectedN/AN/AN/AN/ABituminous Rolled Roofing (Gravel Cap)Building 2, RoofNegativeNone DetectedN/AN/AN/AN/ABituminous Rolled Roofing (Gravel Cap)Building 3, RoofNegativeNone DetectedN/AN/A</td></td></t<>	MaterialSample LocationPos/NegAsbestos Type- PercentageClassificationFisibilityBituminous Rolled Roofing (Gravel Cap)Building 1, RoofNegativeNone DetectedN/AN/ABituminous Rolled Roofing (Gravel Cap)Building 2, RoofNegativeNone DetectedN/AN/ABituminous Rolled Roofing (Gravel Cap)Building 3, RoofNegativeNone Detected </td <td>MaterialSample LocationPas/NegAsbestor Type, ParcentageClassificationFieldbiltyScond.Biluminous Rolled Roofing (Gravel Cap)Building 1, RoofNegativeNone DetectedN/AN/ABituminous Rolled Roofing (Gravel Cap)Building 2, RoofNegativeNone DetectedN/AN/ABituminous Rolled Roofing (Gravel Cap)Building 3, RoofNegative</td> <td>MaterialSample LocationPox/XepAbsettor Type- PercentageClassificationFriabilityCond.Access.Bituminous Rolled Roofing (Gravel Cap)Building 1, RoofNegativeNone DetectedN/AN/AN/AN/ABituminous Rolled Roofing (Gravel Cap)Building 2, RoofNegativeNone DetectedN/AN/AN/AN/ABituminous Rolled Roofing (Gravel Cap)Building 3, RoofNegativeNone DetectedN/AN/A</td>	MaterialSample LocationPas/NegAsbestor Type, ParcentageClassificationFieldbiltyScond.Biluminous Rolled Roofing (Gravel Cap)Building 1, RoofNegativeNone DetectedN/AN/ABituminous Rolled Roofing (Gravel Cap)Building 2, RoofNegativeNone DetectedN/AN/ABituminous Rolled Roofing (Gravel Cap)Building 3, RoofNegative	MaterialSample LocationPox/XepAbsettor Type- PercentageClassificationFriabilityCond.Access.Bituminous Rolled Roofing (Gravel Cap)Building 1, RoofNegativeNone DetectedN/AN/AN/AN/ABituminous Rolled Roofing (Gravel Cap)Building 2, RoofNegativeNone DetectedN/AN/AN/AN/ABituminous Rolled Roofing (Gravel Cap)Building 3, RoofNegativeNone DetectedN/AN/A



<u>Sample</u> <u>Number</u>	<u>Material</u>	Sample Location	Pos/Neg	<u>Asbestos Type -</u> <u>Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est.</u> Oty.
220235-A-021C	Bituminous Rolled Roofing (Gravel Cap)	Building 4, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
220235-A-021D	Bituminous Rolled Roofing (Gravel Cap)	Building 4, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
220235-A-021E	Bituminous Rolled Roofing (Gravel Cap)	Building 4, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A

Note: Samples A-001, A-005, A-008 and A-011 were omitted because they were deemed irrelevant to the scope of work.







R.H. Dana Elementary School

Site Drawing - Asbestos - Page 1 of 1

R.H. Dana Elementary School 24242 La Cresta Drive Dana Point, California 92629

LEGEND: A = Positive Asbestos Sample Locations A = Negative Asbestos Sample Locations

Project #: Atch-220235

Capistrano Unified School District



Digital Photographs - Asbestos

Locations: R.H. Dana Elementary School, 24242 La Cresta Drive

Client Name: Capistrano Unified School District

Area: Roofs



View of Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations) on Building 1, Roof



View of Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations) on Building 2, Roof and Building 4, Roof



View of Penetration Mastic on Building 1, Roof



View of Flashing/Penetration Mastic on Building 2, Roof





View of Flashing/Penetration Mastic on Building 3, Roof



View of Flashing/Penetration Mastic on Building 4, Roof



View of Flashing/Penetration Mastic on Building 5, Roof



BY POLARIZED LIGHT MICROSCOPY



2556 W Woodland Dr Anaheim, CA 92801

Client Name:A-Tech Consulting IncProject Manager:Casandra WilliamsClient Address:1640 N. Batavia Street, Orange, CA
92867Project Number:220235Project Location:24242 La Cresta Drive, Dana Point,
CA 92629

	Lab ID: 220216501	Client ID: A-002A			
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material	
1.	Black fibrous asphaltic material with granules	None Detected	Synthetic Fibers 20%	Asphalt/Binder, Mineral Grains	
2.	Black/grey asphaltic mastic with granules	Chrysotile 4%	None Detected	Asphalt/Binder, Mineral Grains	

	Lab ID: 220216502	Client ID: A-002B				
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material		
1.	Black fibrous asphaltic material with granules	None Detected	Synthetic Fibers 20%	Asphalt/Binder, Mineral Grains		
2.	Black/grey asphaltic mastic with granules	Chrysotile 4%	None Detected	Asphalt/Binder, Mineral Grains		

	Lab ID: 220216503	Client ID: A-002C				
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material		
1.	Black fibrous asphaltic material with granules	None Detected	Synthetic Fibers 20%	Asphalt/Binder, Mineral Grains		
2.	Black/grey asphaltic mastic with granules	Chrysotile 4%	None Detected	Asphalt/Binder, Mineral Grains		

	Lab ID: 220216504	Client ID: A-003A			
Layer	Layer Description	Asbestos Type %	Other Non Fibrous Material		
1.	Black asphaltic mastic with coating	Chrysotile 3%	None Detected	Asphalt/Binder	

Lab ID: 220216505		Client ID: A-003B		
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black asphaltic mastic with coating	Chrysotile 3%	None Detected	Asphalt/Binder



BY POLARIZED LIGHT MICROSCOPY



2556 W Woodland Dr Anaheim, CA 92801

Client Name: A-Tech Consulting Inc Project Manager: Casandra Williams Client Address: 1640 N. Batavia Street, Orange, CA 92867 Project Number: 220235 Project Location: 24242 La Cresta Drive, Dana Point, CA 92629

Lab ID: 220216506			Client ID: A-003C	
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black asphaltic mastic with coating	Chrysotile 3%	None Detected	Asphalt/Binder

Lab ID: 220216507		Client ID: A-004A		
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Grey mastic	None Detected	None Detected	Mastic/Binder

Lab ID: 220216508		Client ID: A-004B		
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Grey mastic	None Detected	None Detected	Mastic/Binder

Lab ID: 220216509		Client ID: A-004C		
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Grey mastic	None Detected	None Detected	Mastic/Binder

Lab ID: 220216510		Client ID: A-006A		
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black fibrous asphaltic material with granules	None Detected	Synthetic Fibers 20%	Asphalt/Binder, Mineral Grains

Lab ID: 220216511		Client ID: A-006B		
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black fibrous asphaltic material with granules	None Detected	Synthetic Fibers 20%	Asphalt/Binder, Mineral Grains
2.	Black/grey asphaltic mastic	Chrysotile 4%	None Detected	Asphalt/Binder



BY POLARIZED LIGHT MICROSCOPY



2556 W Woodland Dr Anaheim, CA 92801

Client Name:A-Tech Consulting IncProject Manager:Casandra WilliamsClient Address:1640 N. Batavia Street, Orange, CA
92867Project Number:220235Project Location:24242 La Cresta Drive, Dana Point,
CA 92629

	Lab ID: 220216512		Client ID: A-006C	
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black fibrous asphaltic material with granules	None Detected	Synthetic Fibers 20%	Asphalt/Binder, Mineral Grains
2.	Black/grey asphaltic mastic	Chrysotile 4%	None Detected	Asphalt/Binder

Lab ID: 220216513		Client ID: A-007A		
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black/grey asphaltic mastic	Chrysotile 4%	None Detected	Asphalt/Binder

Lab ID: 220216514		Client ID: A-007B		
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black/grey asphaltic mastic	Chrysotile 4%	None Detected	Asphalt/Binder

Lab ID: 220216515		Client ID: A-007C		
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black/grey asphaltic mastic	Chrysotile 4%	None Detected	Asphalt/Binder

Lab ID: 220216516		Client ID: A-009A		
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black fibrous asphaltic material with granules	None Detected	Synthetic Fibers 20%	Asphalt/Binder, Mineral Grains
2.	Black asphaltic mastic	None Detected	Cellulose 2%	Asphalt/Binder

Lab ID: 220216517			Client ID: A-009B	
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black fibrous asphaltic material with granules	None Detected	Synthetic Fibers 20%	Asphalt/Binder, Mineral Grains



BY POLARIZED LIGHT MICROSCOPY



2556 W Woodland Dr Anaheim, CA 92801

Client Name:A-Tech Consulting IncProject Manager:Casandra WilliamsClient Address:1640 N. Batavia Street, Orange, CA
92867Project Number:220235Project Location:24242 La Cresta Drive, Dana Point,
CA 92629

Lab ID: 220216518			Client ID: A-009C	
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black fibrous asphaltic material with granules	None Detected	Synthetic Fibers 20%	Asphalt/Binder, Mineral Grains

Lab ID: 220216519		Client ID: A-010A		
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black/grey asphaltic mastic	Chrysotile 3%	Cellulose 3%	Asphalt/Binder

Lab ID: 220216520			Client ID: A-010B	
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black fibrous asphaltic material with granules	None Detected	Glass Fibers 10%	Asphalt/Binder, Mineral Grains
2.	Black asphaltic mastic with granules	None Detected	Cellulose 3%	Asphalt/Binder, Mineral Grains

Lab ID: 220216521		Client ID: A-010C		
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black/grey asphaltic mastic	Chrysotile 3%	Cellulose 2%	Asphalt/Binder

Lab ID: 220216522		Client ID: A-012A		
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black asphaltic material with granules	None Detected	Glass Fibers 5%	Asphalt/Binder, Mineral Grains
2.	Black/grey asphaltic mastic	Chrysotile 4%	None Detected	Asphalt/Binder



BY POLARIZED LIGHT MICROSCOPY



2556 W Woodland Dr Anaheim, CA 92801

Client Name:A-Tech Consulting IncProject Manager:Casandra WilliamsClient Address:1640 N. Batavia Street, Orange, CA
92867Project Number:220235Project Location:24242 La Cresta Drive, Dana Point,
CA 92629

	Lab ID: 220216523		Client ID: A-012B	
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black asphaltic material with granules	None Detected	Synthetic Fibers 4%	Asphalt/Binder, Mineral Grains
2.	Black/grey asphaltic mastic	Chrysotile 4%	None Detected	Asphalt/Binder

Lab ID: 220216524			Client ID: A-012C	
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black asphaltic material with granules	None Detected	Synthetic Fibers 4%	Asphalt/Binder, Mineral Grains
2.	Trace of black/grey asphaltic mastic	Chrysotile 4%	None Detected	Asphalt/Binder

Lab ID: 220216525		Client ID: A-013A		
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black/grey asphaltic mastic	Chrysotile 4%	Cellulose 2%	Asphalt/Binder

Lab ID: 220216526			Client ID: A-013B	
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black/grey asphaltic mastic	Chrysotile 4%	Cellulose 2%	Asphalt/Binder

Lab ID: 220216527		Client ID: A-013C		
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black/grey asphaltic mastic	Chrysotile 4%	Cellulose 2%	Asphalt/Binder



BY POLARIZED LIGHT MICROSCOPY



2556 W Woodland Dr Anaheim, CA 92801

Client Name:A-Tech Consulting IncProject Manager:Casandra WilliamsClient Address:1640 N. Batavia Street, Orange, CA
92867Project Number:220235Project Location:24242 La Cresta Drive, Dana Point,
CA 92629

	Lab ID: 220216528		Client ID: A-014A	
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Cream/blue rubbery material	None Detected	Glass Fibers 2%	Binder/Filler
2.	White fibrous material	None Detected	Glass Fibers 90%	Binder/Filler
3.	White chalky material	None Detected	Cellulose 2%	Gypsum/Binder

Lab ID: 220216529			Client ID: A-014B	
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Cream/blue rubbery material	None Detected	Glass Fibers 2%	Binder/Filler
2.	White fibrous material	None Detected	Glass Fibers 90%	Binder/Filler
3.	White chalky material	None Detected	Cellulose 2%	Gypsum/Binder

Lab ID: 220216530			Client ID: A-014C	
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Cream/blue rubbery material	None Detected	Glass Fibers 2%	Binder/Filler
2.	White fibrous material	None Detected	Glass Fibers 90%	Binder/Filler
3.	White chalky material	None Detected	Cellulose 2%	Gypsum/Binder

Lab ID: 220216537		Client ID: A-015A		
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black fibrous asphaltic material with granules	None Detected	Synthetic Fibers 15%	Asphalt/Binder, Mineral Grains
2.	Black multilayered fibrous asphaltic built-up material	None Detected	Synthetic Fibers 8%	Asphalt/Binder
3.	Black asphaltic mastic	None Detected	Cellulose 3%	Asphalt/Binder



BY POLARIZED LIGHT MICROSCOPY



2556 W Woodland Dr Anaheim, CA 92801

Client Name:A-Tech Consulting IncProject Manager:Casandra WilliamsClient Address:1640 N. Batavia Street, Orange, CA
92867Project Number:220235Project Location:24242 La Cresta Drive, Dana Point,
CA 92629

	Lab ID: 220216538		Client ID: A-015B	
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black fibrous asphaltic material with granules	None Detected	Synthetic Fibers 15%	Asphalt/Binder, Mineral Grains
2.	Black multilayered fibrous asphaltic built-up material	None Detected	Synthetic Fibers 8%	Asphalt/Binder
3.	Tan fibrous material	None Detected	Mineral Wool 90%	Binder/Filler
4.	Black asphaltic mastic	None Detected	Cellulose 3%	Asphalt/Binder

Lab ID: 220216539		Client ID: A-015C		
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black fibrous asphaltic material with granules	None Detected	Synthetic Fibers 15%	Asphalt/Binder, Mineral Grains
2.	Black multilayered fibrous asphaltic built-up material	None Detected	Cellulose 5%, Glass Fibers 5%	Asphalt/Binder
3.	Black asphaltic mastic	None Detected	Cellulose 3%	Asphalt/Binder

Lab ID: 220216540			Client ID: A-015D	
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black fibrous asphaltic material with granules	None Detected	Synthetic Fibers 15%	Asphalt/Binder, Mineral Grains
2.	Black multilayered fibrous asphaltic built-up material	None Detected	Cellulose 5%, Glass Fibers 5%	Asphalt/Binder
3.	Black asphaltic mastic	None Detected	Cellulose 3%	Asphalt/Binder



BY POLARIZED LIGHT MICROSCOPY



2556 W Woodland Dr Anaheim, CA 92801

Client Name:A-Tech Consulting IncProject Manager:Casandra WilliamsClient Address:1640 N. Batavia Street, Orange, CA
92867Project Number:220235Project Location:24242 La Cresta Drive, Dana Point,
CA 92629

Lab ID: 220216541			Client ID: A-015E	
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black fibrous asphaltic material with granules	None Detected	Synthetic Fibers 15%	Asphalt/Binder, Mineral Grains
2.	Black multilayered fibrous asphaltic built-up material	None Detected	Cellulose 5%, Glass Fibers 5%	Asphalt/Binder
3.	Black asphaltic mastic	None Detected	Cellulose 3%	Asphalt/Binder

Lab ID: 220216542			Client ID: A-016A	
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black/grey asphaltic mastic	Chrysotile 3%	Cellulose 3%	Asphalt/Binder

Lab ID: 220216543		Client ID: A-016B		
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black/grey asphaltic mastic	Chrysotile 3%	Cellulose 3%	Asphalt/Binder

Lab ID: 220216544		Client ID: A-016C		
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black/grey asphaltic mastic	Chrysotile 3%	Cellulose 3%	Asphalt/Binder

Lab ID: 220216545		Client ID: A-017A		
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black asphaltic mastic	None Detected	Cellulose 2%	Asphalt/Binder
2.	Black multilayered fibrous asphaltic material with granules	None Detected	Glass Fibers 10%	Asphalt/Binder, Mineral Grains
3.	Grey loose fibrous material	None Detected	Cellulose 90%	Binder/Filler



BY POLARIZED LIGHT MICROSCOPY



2556 W Woodland Dr Anaheim, CA 92801

Client Name: A-Tech Consulting Inc Project Manager: Casandra Williams Client Address: 1640 N. Batavia Street, Orange, CA 92867 Project Number: 220235 Project Location: 24242 La Cresta Drive, Dana Point, CA 92629

Lab Batch Number: 2202165 Samples Submitted: 41 Samples Analyzed: 41 Analysis Method: EPA 600/R-93-116 & EPA 600/M4-82-020 Rev: 1

	Lab ID: 220216546		Client ID: A-017B	
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black asphaltic mastic	None Detected	Cellulose 2%	Asphalt/Binder
2.	Grey loose fibrous material	None Detected	Cellulose 90%	Binder/Filler

Lab ID: 220216547

Lab ID: 220216547		Client ID: A-017C		
Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black asphaltic mastic with granules	None Detected	Cellulose 2%, Synthetic Fibers 2%	Asphalt/Binder
2.	Grey loose fibrous material	None Detected	Cellulose 90%	Binder/Filler

Analyzed by: Vivian Le

Reviewed by: Zubair Ahmed

Signature: \/

Date: 02-07-2022

Signature: (Signature)

Date: 02-07-2022

*Total Layers Analyzed:72

Reporting limit is 1%. If the sample was not collected by AIH Laboratory then the accuracy of the results is limited by the methodology and experience of the sample collector. Clients can verify specific reporting limit requirement from local regulatory agencies. Liability limited to cost of samples analysis. This report shall not be reproduced except in full, without written approval of AIH Laboratory. It shall not be used to claim product endorsement by NVLAP or any other agency of the government. Reported results relate only to the samples tested and may not be the representative of the sample area. AIH Laboratory shall dispose of the Customer's samples 14 days after receiving the samples unless instructed to store them for an alternate period of time in writing.



Report for:

Mr. Robert Williams A-Tech Consulting, Inc 1640 N. Batavia Street Orange, CA 92867

Regarding: Project: 220235; Capistrano Unified School District RH Dana Elementary, 24242 La Cresta Drive EML ID: 2846155

Approved by:

Approved Signatory Danny Li

Dates of Analysis: Asbestos PLM: 02-10-2022 and 02-11-2022

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267) NVLAP Lab Code 200757-0

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received and tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

Eurofins EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Client: A-Tech Consulting, Inc C/O: Mr. Robert Williams Re: 220235; Capistrano Unified School District RH Dana Elementary, 24242 La Cresta Drive

2841 Dow Avenue, Suite 300, Tustin, CA 92780 (866) 888-6653 Fax (623) 780-7695 www.emlab.com

Date of Submittal: 02-04-2022 Date of Receipt: 02-04-2022 Date of Report: 02-11-2022

Summary of Samples with Asbestos Detected

Total Samples Submitted:	20
Total Samples Analyzed:	20
Total Layers Analyzed:	40
Total Samples with Layer Asbestos Content > 1%:	0
Total Samples with Layer Asbestos Content < 1%:	0

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. Eurofins EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

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L 1 ID V ' + 12(20002 1

Client: A-Tech Consulting, Inc C/O: Mr. Robert Williams Re: 220235; Capistrano Unified School District RH Dana Elementary, 24242 La Cresta Drive

2841 Dow Avenue, Suite 300, Tustin, CA 92780 (866) 888-6653 Fax (623) 780-7695 www.emlab.com

Date of Submittal: 02-04-2022 Date of Receipt: 02-04-2022 Date of Report: 02-11-2022

ASBESTOS PLM REPORT

Location: 220235-A-018A, Building I, Kool, Bituminous Kolled Kooling (Gravel Cap)		
Sample Layers	Asbestos Content	
Black Roofing Material	ND	
Tan Fibrous Material	ND	
Composite Non-Asbestos Content: 30% Cellulose		
	30% Glass Fibers	
Sample Composite Homogeneity: Moderate		

Landing 220225 A 019A Devilie of Devil Providence Dellad Devile (Consul Con)

Location: 220235-A-018B, Building 1, Roof, Bituminous Rolled Roofing (Gravel Cap) Lab ID-Version 13638084-1

Sample Layers	Asbestos Content
Black Roofing Material	ND
Tan Fibrous Material	ND
Composite Non-Asbestos Content:	30% Cellulose
-	30% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 220235-A-018C, Building 1, Roof, Bituminous Rolled Roofing (Gravel Cap) Lab ID-Version 13638085-1

Sample Layers	Asbestos Content
Black Roofing Material	ND
Tan Fibrous Material	ND
Composite Non-Asbestos Content:	30% Cellulose
	30% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 220235-A-018D, Building 1, Roof, Bituminous Rolled Roofing (Gravel Cap) Lab ID-Version 13638086-1

Sample Layers	Asbestos Content
Black Roofing Material	ND
Tan Fibrous Material	ND
Composite Non-Asbestos Content:	30% Cellulose
	20% Glass Fibers
Sample Composite Homogeneity:	Moderate

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 \ddagger A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: A-Tech Consulting, Inc C/O: Mr. Robert Williams Re: 220235; Capistrano Unified School District RH Dana Elementary, 24242 La Cresta Drive

2841 Dow Avenue, Suite 300, Tustin, CA 92780 (866) 888-6653 Fax (623) 780-7695 www.emlab.com

Date of Submittal: 02-04-2022 Date of Receipt: 02-04-2022 Date of Report: 02-11-2022

ASBESTOS PLM REPORT

Location: 220235-A-018E, Building 1, Roof, Bituminous Rolled Roofing (Gravel Cap) Lab ID-Version 1363808		
Sample Layers	Asbestos Content	
Black Roofing Material	ND	
Tan Fibrous Material	ND	
Composite Non-Asbestos Content: 30% Cellulose		
	30% Glass Fibers	
Sample Composite Homogeneity:	Moderate	

Location: 220235-A-019A, Building 2, Roof, Bituminous Rolled Roofing (Gravel Cap) Lab ID-Version 13638088-1

Sample Layers	Asbestos Content
Black Roofing Material	ND
Tan Fibrous Material	ND
Composite Non-Asbestos Content:	30% Cellulose 30% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 220235-A-019B, Building 2, Roof, Bituminous Rolled Roofing (Gravel Cap) Lab ID-Version 13638089-1

Sample Layers	Asbestos Content
Black Roofing Material	ND
Tan Fibrous Material	ND
Composite Non-Asbestos Content:	40% Cellulose
	30% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 220235-A-019C, Building 2, Roof, Bituminous Rolled Roofing (Gravel Cap) Lab ID-Version 13638090-1

Sample Layers	Asbestos Content
Black Roofing Material	ND
Tan Fibrous Material	ND
Composite Non-Asbestos Content:	30% Cellulose 30% Glass Fibers
Sample Composite Homogeneity:	Moderate

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Client: A-Tech Consulting, Inc C/O: Mr. Robert Williams Re: 220235; Capistrano Unified School District RH Dana Elementary, 24242 La Cresta Drive

2841 Dow Avenue, Suite 300, Tustin, CA 92780 (866) 888-6653 Fax (623) 780-7695 www.emlab.com

Date of Submittal: 02-04-2022 Date of Receipt: 02-04-2022 Date of Report: 02-11-2022

ASBESTOS PLM REPORT

Location: 220235-A-019D, Building 2, Roof, Bituminous	s Rolled Roofing (Gravel Cap) Lab ID-Version 13638091-1	
Sample Layers	Asbestos Content	
Black Roofing Material	ND	
Tan Fibrous Material	ND	
Composite Non-Asbestos Content: 30% Cellulose		
	30% Glass Fibers	
Sample Composite Homogeneity:	Moderate	

Location: 220235-A-019E, Building 2, Roof, Bituminous Rolled Roofing (Gravel Cap) Lab ID-Version 13638092-1

Sample Layers	Asbestos Content
Black Roofing Material	ND
Tan Fibrous Material	ND
Composite Non-Asbestos Content:	30% Cellulose
-	30% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 220235-A-020A, Building 3, Roof, Bituminous Rolled Roofing (Gravel Cap) Lab ID-Version 13638093-1

Sample Layers	Asbestos Content
Black Roofing Material	ND
Tan Fibrous Material	ND
Composite Non-Asbestos Content:	30% Cellulose 30% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 220235-A-020B, Building 3, Roof, Bituminous Rolled Roofing (Gravel Cap) Lab ID-Version 13638094-1

Sample Layers	Asbestos Content
Black Roofing Material	ND
Tan Fibrous Material	ND
Composite Non-Asbestos Content:	50% Glass Fibers
	15% Cellulose
Sample Composite Homogeneity:	Moderate

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L 1 ID M ' + 12(20005 1

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Date of Submittal: 02-04-2022 Date of Receipt: 02-04-2022 Date of Report: 02-11-2022

ASBESTOS PLM REPORT

Location: 220235-A-020C, Building 5, Rooi, Bituminous Roned Rooling (Gravel Cap)				
Sample Layers	Asbestos Content			
Black Roofing Material	ND			
Tan Fibrous Material	ND			
Composite Non-Asbestos Content: 30% Cellulose				
	30% Glass Fibers			
Sample Composite Homogeneity:	Moderate			

Landiana 220225 A 020C Devilie - 2 Devil Pitanair and Devilie d Devilie - (Consul Car)

Location: 220235-A-020D, Building 3, Roof, Bituminous Rolled Roofing (Gravel Cap) Lab ID-Version 13638096-1

Sample Layers	Asbestos Content
Black Roofing Material	ND
Tan Fibrous Material	ND
Composite Non-Asbestos Content:	30% Cellulose
-	30% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 220235-A-020E, Building 3, Roof, Bituminous Rolled Roofing (Gravel Cap) Lab ID-Version 13638097-1

Sample Layers	Asbestos Content
Black Roofing Material	ND
Tan Fibrous Material	ND
Composite Non-Asbestos Content:	30% Cellulose 30% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 220235-A-021A, Building 4, Roof, Bituminous Rolled Roofing (Gravel Cap) Lab ID-Version 13638098-1

Sample Layers	Asbestos Content	
Black Roofing Material	ND	
Tan Fibrous Material	ND	
Composite Non-Asbestos Content: 30% Glass Fibers		
	15% Cellulose	
Sample Composite Homogeneity:	Moderate	

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Client: A-Tech Consulting, Inc C/O: Mr. Robert Williams Re: 220235; Capistrano Unified School District RH Dana Elementary, 24242 La Cresta Drive

2841 Dow Avenue, Suite 300, Tustin, CA 92780 (866) 888-6653 Fax (623) 780-7695 www.emlab.com

Date of Submittal: 02-04-2022 Date of Receipt: 02-04-2022 Date of Report: 02-11-2022

ASBESTOS PLM REPORT

Location: 220235-A-021B, Building 4, Roof, Bituminous	Rolled Roofing (Gravel Cap) Lab ID-Version : 13638099-1		
Sample Layers	Asbestos Content		
Black Roofing Material	ND		
Tan Fibrous Material	ND		
Composite Non-Asbestos Content: 30% Cellulose			
	30% Glass Fibers		
Sample Composite Homogeneity: Moderate			

Location: 220235-A-021C, Building 4, Roof, Bituminous Rolled Roofing (Gravel Cap) Lab ID-Version 13638100-1

Sample Layers	Asbestos Content
Black Roofing Material	ND
Tan Fibrous Material	ND
Composite Non-Asbestos Content:	40% Glass Fibers 20% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 220235-A-021D, Building 4, Roof, Bituminous Rolled Roofing (Gravel Cap) Lab ID-Version 13638101-1

Sample Layers	Asbestos Content
Black Roofing Material	ND
Tan Fibrous Material	ND
Composite Non-Asbestos Content:	30% Cellulose
	30% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 220235-A-021E, Building 4, Roof, Bituminous Rolled Roofing (Gravel Cap) Lab ID-Version 13638102-1

Sample Layers	Asbestos Content
Black Roofing Material	ND
Tan Fibrous Material	ND
Composite Non-Asbestos Content:	30% Cellulose
	3% Glass Fibers
Sample Composite Homogeneity:	Moderate

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2202165 (R)

PLM BULK SAMPLE CHAIN OF CUSTODY

 Analysis: PLM-Bulk EPA 600/R-93/116
 Phone Number: (714) 434-6360

 Turn Around Time: 5 Day
 Fax Number: (714) 221-6360

 Attn: Robert Williams
 Results: Email to labs@atechine.net

 Project Number and Name:
 Sampled By:

rroject number and Name:	Sampled by:		
220235 - Capistrano Unified School District R.H. Dana Elementary	Grant Tercero		
Project Address:	City:	State:	Zip:
24242 La Cresta Drive	Dana Point	CA	92629

Notes:

Sample ID	Sample Location	Material	Friability	Condition	Est. Quantity
220235-A-002A	Building 1, Roof	Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations)	Non-Friable	Intact	150 SF
220235-A-002B	Building 1, Roof	Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations)	Non-Friable	Intact	See 002A
220235-A-002C	Building 1, Roof	Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations)	Non-Friable	Intact	See 002A
220235-A-003A	Building 1, Roof	Penetration Mastic	Non-Friable	Intact	20 SF
220235-A-003B	Building 1, Roof	Penetration Mastic	Non-Friable	Intact	See 003A
220235-A-003C	Building 1, Roof	Penetration Mastic	Non-Friable	Intact	See 003A
220235-A-004A	Building 1, Roof	Flashing Mastic	Non-Friable	Intact	20 SF
220235-A-004B	Building 1, Roof	Flashing Mastic	Non-Friable	Intact	See 004A
220235-A-004C	Building 1, Roof	Flashing Mastic	Non-Friable	Intact	See 004A

Client Sample Number: 220235-A-002A to 220235-A-04C

Total: 41

Relinquished By:	Date: 1/24/2022	Time: 8:41 PM		
Samples Received By: Sarah Tran ST~	Date: 1 25 22	Time: 9:05am		
Relinquished By:	Date:	Time:		
Samples Received By:	Date:	Time:		



2202165

PLM BULK SAMPLE CHAIN OF CUSTODY

220235-A-006A	Building 2, Roof	Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations)	Non-Friable	Intact	40 SF
220235-A-006B	Building 2, Roof	Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations)	Non-Friable	Non-Friable Intact	
220235-A-006C	Building 2, Roof	Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations)	Non-Friable	Intact	See 006A
220235-A-007A	Building 2, Roof	Flashing/Penetration Mastic	Non-Friable	Intact	30 SF
220235-А-007В	Building 2, Roof	Flashing/Penetration Mastic	Non-Friable	Intact	See 007A
220235-A-007C	Building 2, Roof	Flashing/Penetration Mastic	Non-Friable	Intact	See 007A
220235-A-009A	Building 3, Roof	Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations)	Non-Friable	Intact	150 SF
220235-A-009B	Building 3, Roof	Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations)	olled Roofing with Mastic Mounts and Penetrations) Non-Friable		Sec 009A
220235-A-009C	Building 3, Roof	Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations)	Non-Friable	Intact	See 009A
220235-A-010A	Building 3, Roof	Flashing/Penetration Mastic	Non-Friable	Intact	40 SF
220235-A-010B	Building 3, Roof	Flashing/Penetration Mastic	Non-Friable	Intact	See 010A
220235-A-010C	Building 3, Roof	Flashing/Penetration Mastic	Non-Friable	Intact	See 010A
220235-A-012A	Building 4, Roof	Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations)	Non-Friable	Intact	40 SF
220235-A-012B	Building 4, Roof	Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations)	Non-Friable	Intact	See 012A
220235-A-012C	Building 4, Roof	Asphalt Rolled Roofing with Mastic (HVAC Mounts and Penetrations)	Non-Friable	Intact	See 012A
220235-A-013A	Building 4, Roof	Flashing/Penetration Mastic	Non-Friable	Intact	30 SF
220235-A-013B	Building 4, Roof	Flashing/Penetration Mastic	Non-Friable	Intact	See 013A
220235-A-013C	Building 4, Roof	Flashing/Penetration Mastic	Non-Friable	Intact	See 013A

Client Sample Number: 220235-A-006A to 220235-A-007C, 220235-A-009A to 220235-A-013C

Total: 41

Relinquished By:	Date: 1/24/2022	Time: 8: 41 PM
Samples Received By: Sarah Tran 97-	Date: 1/25/22	Time: 9:0 Sam
Relinquished By:	Date:	Time:
Samples Received By:	Date:	Time:

Chain of Custody



2202165

PLM BULK SAMPLE CHAIN OF CUSTODY

220235-A-014A	Building 5, Roof	Sheet Roofing Core	Non-Friable	Intact	100 SF
220235-A-014B	Building 5, Roof	Sheet Roofing Core	Non-Friable	Intact	See 014A
220235-A-014C	Building 5, Roof	Sheet Roofing Core	Non-Friable	Intact	See 014A
220235-A-015A	Building 5, Roof	Rolled Roof with Roof Patches Core (Gravel Cap)	Non-Friable	Intact	6,500 SF
220235-A-015B	Building 5, Roof	Rolled Roof with Roof Patches Core (Gravel Cap)	Non-Friable	Intact	See 015A
220235-A-015C	Building 5, Roof	Rolled Roof with Roof Patches Core (Gravel Cap)	Non-Friable	Intact	See 015A
220235-A-015D	Building 5, Roof	Rolled Roof with Roof Patches Core (Gravel Cap)	Non-Friable	Intact	See 015A
220235-A-015E	Building 5, Roof	Rolled Roof with Roof Patches Core (Gravel Cap)	Non-Friable	Intact	See 015A
220235-A-016A	Building 5, Roof	Flashing/Penetration Mastic	Non-Friable	Intact	40 SF
220235-A-016B	Building 5, Roof	Flashing/Penetration Mastic	Non-Friable	Intact	See 016A
220235-A-016C	Building 5, Roof	Flashing/Penetration Mastic	Non-Friable	Intact	See 016A
220235-A-017A	Building 5, Roof	HVAC Mount Mastic	Non-Friable	Intact	40 SF
220235-A-017B	Building 5, Roof	HVAC Mount Mastic	Non-Friable	Intact	See 017A
220235-A-017C	Building 5, Roof	HVAC Mount Mastic	Non-Friable	Intact	Sec 017A

Client Sample Number: 220235-A-014A to 220235-A-017C

Total: 41

e: 1/25/22 Time	e: a: oc.
10100	TODAM
e: Time	2:
e: Time	e:
	e: Time

1640 North Batavia Street, Orange, CA 92867-3509 Phone: (714) 434-6360 Fax (714) 221-6360 Web Address: <u>www.atechinc.net</u>



	PLM BULK SA	AMPLE CHAIN OF CUSTODY		0.01	0/4155
Analysis: PLM-Bulk EP	A 600/R-93/116	Phone Number: (714) 434-6360		002	840100
Turn Around Time: 5 I	Jay	Fax Number: (714) 221-6360			
		Attn: Robert Williams			
		Results: Email to labs@atechine.r	net		
Project Number and Na	ime:	Sampled By:			
220235 - Capistrano Unit	fied School District R.H. Dana Elementary	Kevin Cullen			
Project Address:		City: St	ate:	Zip	:
24242 La Cresta Drive		Dana Point C/	\	926	29
Sample ID	Sample Location	Material	Friability	Condition	Est. Quantity
220235-A-018A	Building 1, Roof	Bituminous Rolled Roofing (Gravel Cap)	Non-Friable	Intact	3,000 SF
220235-A-018B	Building 1, Roof	Bituminous Rolled Roofing (Gravel Cap)	Non-Friable	Intact	See 018A
220235-A-018C	Building 1, Roof	Bituminous Rolled Roofing (Gravel Cap)	Non-Friable	Intact	See 018A
220235-A-018D	Building 1, Roof	Bituminous Rolled Roofing (Gravel Cap)	Non-Friable	Intact	See 018A
220235-A-018E	Building I, Roof	Bituminous Rolled Roofing (Gravel Cap)	Non-Friable	Intact	See 018A
	No. of the second s			/	
220235-A-019A	Building 2, Roof	Bituminous Rolled Roofing (Gravel Cap)	Non-Friable	Intact	1,500 SF
220235-A-019A 220235-A-019B	Building 2, Roof Building 2, Roof	Bituminous Rolled Roofing (Gravel Cap) Bituminous Rolled Roofing (Gravel Cap)	Non-Friable Non-Friable	Intact Intact	1,500 SF See 019A
220235-A-019A 220235-A-019B 220235-A-019C	Building 2, Roof Building 2, Roof Building 2, Roof	Bituminous Rolled Roofing (Gravel Cap) Bituminous Rolled Roofing (Gravel Cap) Bituminous Rolled Roofing (Gravel Cap)	Non-Friable Non-Friable Non-Friable	Intact Intact Intact	1,500 SF See 019A See 019A
220235-A-019A 220235-A-019B 220235-A-019C 220235-A-019D	Building 2, Roof Building 2, Roof Building 2, Roof Building 2, Roof	Bituminous Rolled Roofing (Gravel Cap) Bituminous Rolled Roofing (Gravel Cap) Bituminous Rolled Roofing (Gravel Cap) Bituminous Rolled Roofing (Gravel Cap)	Non-Friable Non-Friable Non-Friable Non-Friable	Intact Intact Intact Intact	1,500 SF See 019A See 019A See 019A
220235-A-019A 220235-A-019B 220235-A-019C 220235-A-019D 220235-A-019E	Building 2, Roof Building 2, Roof Building 2, Roof Building 2, Roof Building 2, Roof	Bituminous Rolled Roofing (Gravel Cap) Bituminous Rolled Roofing (Gravel Cap) Bituminous Rolled Roofing (Gravel Cap) Bituminous Rolled Roofing (Gravel Cap) Bituminous Rolled Roofing (Gravel Cap)	Non-Friable Non-Friable Non-Friable Non-Friable Non-Friable	Intact Intact Intact Intact Intact	1,500 SF See 019A See 019A See 019A See 019A

Client Sample Number:	220235-A-018A to 220235-A-021E		Total: 20
Relinquished By:	Hem Eullen	Date: 2/4/2022	Time: 3:24 PM
Samples Received By:	-A-	Date: 2/4/22	Time: 4pm
Relinquished By:		Date:	Time:
Samples Received By:		Date:	Time:

1640 North Batavia Street, Orange, CA 92867-3509 Phone: (714) 434-6360 Fax (714) 221-6360 Web Address: <u>www.atechinc.net</u>

Chain of Custody





PLM BULK SAMPLE CHAIN OF CUSTODY

220235-A-020B	Building 3, Roof	Bituminous Rolled Roofing (Gravel Cap)	Non-Friable	Intact	See 020A
220235-A-020C	Building 3, Roof	Bituminous Rolled Roofing (Gravel Cap)	Non-Friable	Intact	See 020A
220235-A-020D	Building 3, Roof	Bituminous Rolled Roofing (Gravel Cap)	Non-Friable	Intact	See 020A
220235-A-020E	Building 3, Roof	Bituminous Rolled Roofing (Gravel Cap)	Non-Friable	Intact	See 020A
220235-A-021A	Building 4, Roof	Bituminous Rolled Roofing (Gravel Cap)	Non-Friable	Intact	1,500 SF
220235-A-021B	Building 4, Roof	Bituminous Rolled Roofing (Gravel Cap)	Non-Friable	Intact	Sec 021A
220235-A-021C	Building 4, Roof	Bituminous Rolled Roofing (Gravel Cap)	Non-Friable	Intact	See 021A
220235-A-021D	Building 4, Roof	Bituminous Rolled Roofing (Gravel Cap)	Non-Friable	Intact	See 021A
220235-A-021E	Building 4, Roof	Bituminous Rolled Roofing (Gravel Cap)	Non-Friable	Intact	See 021A

Client Sample Number: 220235-A-018A to 220235-A-021E			Total: 20
Relinquished By:	glem Eullen	Date: 2/4/2022	Time: 3:24 PM
Samples Received By:		Date:	Time:
Relinquished By:		Date:	Time:
Samples Received By:		Date:	Time:

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Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD.



A-Tech Consulting, Inc.

BE IT KNOWN TO ALL CONCERNED THAT

Kevin Cullen

HAS SUCESSFULLY COMPLETED A

NIOSH 582 EQUIVALENCY COURSE

The course included: Airborne Fiber Sampling, Temperature & Pressure Corrections of Air Sample Flow Rates, Calibration & Alignment of Optical Microscopy, Evaluation of Air Sampling Data and NIOSH Method 7400 Fiber Counting Rules

ON

September 25, 2019

Certificate No. ATCH-N582-1651

Instructor: Joshua LaPrease

1748 W. Katella Avenue, Suite 112, Orange, CA 92867 Phone (714) 434-6360 A Fax (714) 221-6360 Web Address: www.atechinc.net



Cover

LEAD

I. Executive Summary

- 1.0 Introduction
- 2.0 Scope of Assessment
- 3.0 Property Description/Historical Description4.0 Inspector's Qualifications
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- C. DPH 8552 Form

Atch-220235 Limited XRF-Lead Assessment 24242 La Cresta Drive Dana Point, California 92629

February 22, 2022

Capistrano Unified School District 32972 Calle Perfecto San Juan Capistrano, California 92675

Attn: Mr. Steve Matteson, Jr.

Re: R.H. Dana Elementary School 24242 La Cresta Drive, Roofs Dana Point, California 92629

Pursuant to your request, A-Tech Consulting, Inc. performed a Limited XRF-Lead Assessment of the Roofs of R.H. Dana Elementary School, 24242 La Cresta Drive, in Dana Point, California. The following report summarizes all findings and results of this inspection.

1.0 INTRODUCTION

A-Tech was contacted by Mr. Steve Matteson, Jr. with Capistrano Unified School District to confirm the presence or absence of lead. This report presents the results for the Limited XRF-Lead Assessment on the Roofs of R.H. Dana Elementary School located at 24242 La Cresta Drive, (subject property/site), in Dana Point, California. The limited inspection was performed in accordance with Environmental Protection Agency (EPA) and California Occupational Safety and Health (CAL-OSHA) requirements, utilizing United States Housing and Urban Development (HUD) protocols. The scope of services, inspection methodology and results are presented herein. The sampling was conducted by Grant Tercero – CDPH Lead Sampling Technician #LRC-00008725 on January 24, 2022 and February 4, 2022 under the supervision of Robert Williams - CDPH Inspector/Assessor #LRC-00004572. This report does not represent a HUD level inspection. This report is not intended to be a comprehensive assessment.

2.0 SCOPE OF ASSESSMENT

The purpose of this Limited XRF-Lead Assessment is to identify and assess lead containing material (LCM) present at the subject property with the potential for impact during upcoming renovation and/or demolition activities. The intent of the assessment is to ascertain the presence of lead-based paint at or above 1.0 mg/cm².

3.0 PROPERTY DESCRIPTION/HISTORICAL DATA

The subject property inspected consists of a single story, elementary school building with a stucco exterior, built on a concrete slab foundation. At the time of the inspection, it was observed that the surfaces tested in the inspected areas are in intact and poor condition. The build date is circa 1966.

4.0 INSPECTOR'S QUALIFICATIONS

The inspector who conducted the site sampling/assessment is a state certified California Department of Public Health (CA-DPH) Lead Sampling Technician, has completed an EPA sponsored curriculum in the Lead Sampling Technician Training, and has attended the manufacturer's radiation safety course for operation and handling of the XRF instrument.

At the time of this report, the California Department of Public Health, Childhood Lead Poisoning Branch, has implemented a State Certification and Model Accreditation Plan adopted from the Environmental Protection Agency (EPA).

5.0 TESTING METHODOLOGY

The method employed for testing painted surfaces was with an X-ray fluorescence (XRF) analyzer. A-Tech Consulting, Inc. utilized a Viken Pb200i X-Ray fluorescence (XRF) lead paint analyzer to sample paint for lead content. XRF Instrument serial #2966 was used for this project. The instrument was calibrated to the manufacturer's specifications and was also periodically verified against the National Institute of Standards and Testing (NIST) Standard Reference Material (SRM) 2579 lead film (1.0 mg/cm²). The instrument was in-control at all times for the wood zero standard and NIST SRM lead standard.

A visual inspection consisting of a walkthrough of the subject site was conducted to determine the presence of suspect LCM components that were readily accessible and/or exposed. This included the identification of suspect lead-based painted components, ceramic tile, glazed components, etc. and the determination of the condition of those components. All coated surfaces, including but not limited to painted, varnished, and glazed surfaces, were tested for lead content.

6.0 TESTING PROTOCOL

Testing was conducted in accordance with Chapter 7 of the Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing as published by HUD in 2012. XRF readings were obtained on representative painted surfaces on each building component in each room equivalent. The HUD definition of lead-based paint is equal to or greater than 1.0 mg/cm². All XRF readings below the regulatory definition are considered negative and all readings at and above this level are considered positive.

7.0 SUMMARY OF RESULTS

According to the XRF findings, no components tested positive for the presence of lead at or above 1.0 mg/cm². Please refer to Attachment A, Lead XRF Table for detailed sample information.

8.0 CONCLUSIONS AND RECOMMENDATIONS

CAL-OSHA considers levels at 1.0 mg/cm² (5,000 ppm HUD) and greater to be an exposure risk to lead containing material and can result in a substantial worker exposure during construction, demolition, etc. CAL-OSHA's current level for objective data/negative determination is 600 ppm. However, anyone performing trigger tasks, regardless of the level of lead, as outlined in 29 CFR 1926.62 and Title 8 CCR 1532.1 can reasonably assume risk of lead exposure. Work activities which may lead to any amount of lead exposure must be conducted in accordance with safe lead work practices. current regulatory guidelines, and current proper protective equipment protocols. Additionally, this was not a comprehensive assessment of the building and any stabilization and/or removal of materials or areas not assessed would require additional sampling.

9.0 LIMITATIONS

The conclusions presented in this report are professional opinions based solely upon visual observations at the site and laboratory analysis of the tested samples. They are intended exclusively for the purpose outlined herein, and for the site location and project indicated.

This limited inspection was planned, developed, and implemented based on A-Tech's scope of services approved by the client. This limited inspection was conducted in compliance with current regulatory protocols. A-Tech utilized state-of-the-art-practices and techniques in accordance with regulatory standards, while performing this limited inspection. A-Tech's evaluation of the relative risk of exposure to lead, identified during this limited inspection, is based on conditions observed at the time of the limited inspection.

A-Tech cannot be responsible for changing conditions that may alter the relative exposure risk or for future changes in accepted methodology. The floor plans and actual test results for each of the tested areas are contained within this report. Lead quantities are estimates only (see Lead Tables-Est. Qty.) Exact quantities should be verified by the abatement contractor prior to stabilization/removal.

This assessment report is not specifications for lead abatement and it should not be used as a standalone lead abatement bid document. Recognizing that even the most comprehensive assessment may fail to detect lead at a particular site, this study was not intended to identify all potential LCM's present in the building or at the site for such reasons as the possible existence of buried, covered and inaccessible areas and features. A-Tech does not warrant that all sub-surface, wall cavity or other inaccessible materials were tested. A-Tech did not test any live electrical components or disassemble operational building equipment such as fans or HVAC components. These components may contain untested suspect LCM's. If any suspect LCM's not tested herein are discovered, they must be tested prior to impact.

A-Tech assumes no responsibility for the identification of suspect LCM's, which were not included in the client's scope of work or were concealed and/or inaccessible (i.e. locked rooms, under carpet, etc.) However, A-Tech makes every attempt possible to test all designated areas for lead (i.e. check under carpeting, inspect attic, crawl space, etc.). A-Tech assumes no responsibility for the identification of "atypical" LCM, used in the construction trade.

There are potential liabilities associated with the presence, and removal, of LCM. Precautionary measures, as outlined herein, should be taken in accordance with the guidelines set forth by the EPA, CAL-OSHA and other regulatory agencies.

Services performed by A-Tech were conducted in a manner above the care and skill ordinarily and currently exercised by members of the same profession that even the most comprehensive scope of services might fail to detect environmental liabilities on a particular site. Therefore, A-Tech cannot act as insurers and cannot "certify" that a site is free of environmental contamination.

No expressed or implied representation or warranty is included or intended in our reports, except that our services were performed, within the limits prescribed by the Scope of Services, with the customary thoroughness and competence of our profession.

This report is intended for the sole use of the contracted Client and its authorized representatives. The exchange of information was unique between A-Tech and the client regarding the mutually agreed upon scope of service. Unless explicitly authorized in this report, no third party is beneficiary to the contract or findings of this report. The unauthorized use or reliance of this document or the findings, conclusion or recommendations presented herein, by any other party or parties is at the sole risk of any such third party. For the same reasons, no warranties or representations, expressed or implied in this report, are provided to any such third party.

Information and opinions presented herein apply to the existing and reasonable foreseeable site conditions at the time of our investigation. They cannot necessarily apply to site changes of which this office is unaware and have not had the opportunity to review. Changes in the conditions of this property may occur with time due to natural processes or works of man on the subject property or on adjacent properties. Changes in applicable standards may also occur as a result of legislation or the broadening of knowledge. Accordingly, the findings of this report may be invalidated, wholly or in part by changes beyond our control.

A-Tech representatives are prepared to meet with your staff, to further discuss this project, upon your request. A-Tech trusts that the information presented herein provides the data you require. Should you have any questions or comments please contact A-Tech Consulting, Inc. at (800) 434-1025.

Respectfully submitted, A-Tech Consulting, Inc.

Robert L. Williams, DPH, CAC, CIEC Certified Lead Inspector/Assessor #LRC-00004572

Client Name: Capistrano Unified School District



XRF-Lead Sample Summary

Location: R.H. Dana Elementary School, 24242 La Cresta Drive

Area: Roofs

Sample Number

220235-XRF-0001

220235-XRF-0002

Reading Cond. **Sample Location Color Substrate** Pos/Neg Est. Qty. Component Access. mg/cm² Calibration NIST 1.0 _ --Calibration NIST 1.0

HVAC Mount

Negative

0.1

220235-XRF-0003	Calibration	-	-	NIST	-	1.0	-	-	-
220235-XRF-0004	Building 1, Roof	White	Metal	Penetration Pipe	Negative	0.1	Poor	N/A	N/A
220235-XRF-0005	Building 1, Roof	White	Metal	Exhaust Housing	Negative	0.1	Poor	N/A	N/A
220235-XRF-0006	Building 1, Roof	Black	Rolled Roof (Gravel Cap)	Roof	Negative	0.1	Poor	N/A	N/A
220235-XRF-0007	Building 1, Roof	Red	Rolled Asphalt	HVAC Mount	Negative	0.1	Poor	N/A	N/A
220235-XRF-0008	Building 2, Roof	White	Metal	Penetration Pipe	Negative	0.1	Poor	N/A	N/A
220235-XRF-0009	Building 2, Roof	White	Metal	Exhaust Housing	Negative	0.1	Poor	N/A	N/A
220235-XRF-0010	Building 2, Roof	White	Rolled Roof (Gravel Cap)	Penetration Pipe	Negative	0.1	Poor	N/A	N/A
220225 VDE 0011			Rolled		NT	0.1	T	NT/A	NT/ A

Intact

N/A

N/A

220235-XRF-0011

Red

Asphalt

Building 2, Roof



<u>Sample Number</u>	Sample Location	<u>Color</u>	<u>Substrate</u>	<u>Component</u>	Pos/Neg	<u>Reading</u> <u>mg/cm</u> ²	<u>Cond.</u>	<u>Access.</u>	<u>Est. Oty.</u>
220235-XRF-0012	Building 3, Roof	Black	Rolled Asphalt (Gravel Cap)	Roof	Negative	0.1	Intact	N/A	N/A
220235-XRF-0013	Building 3, Roof	Red	Rolled Asphalt	Roof	Negative	0.1	Intact	N/A	N/A
220235-XRF-0014	Building 3, Roof	White	Metal	Pipe Penetration	Negative	0.1	Intact	N/A	N/A
220235-XRF-0015	Building 4, Roof	Black	Rolled Roof (Gravel Cap)	Roof Frame	Negative	0.1	Intact	N/A	N/A
220235-XRF-0016	Building 4, Roof	Red	Rolled Asphalt	Roof Frame	Negative	0.1	Intact	N/A	N/A
220235-XRF-0017	Building 4, Roof	White	Metal	Penetration Pipe	Negative	0.1	Intact	N/A	N/A
220235-XRF-0018	Building 5, Roof	Black	Rolled Asphalt (Gravel Cap)	Roof	Negative	0.1	Intact	N/A	N/A
220235-XRF-0019	Building 5, Roof	Red	Rolled Asphalt	HVAC Mount	Negative	0.1	Intact	N/A	N/A
220235-XRF-0020	Building 5, Roof	White	Metal	Pipe Penetration	Negative	0.1	Intact	N/A	N/A
220235-XRF-0021	Building 5, Roof	Beige	Rolled Sheet Roofing	Pipe Penetration	Negative	0.1	Intact	N/A	N/A
220235-XRF-0022	Calibration	-	-	NIST	-	1.0	-	-	-
220235-XRF-0023	Calibration	-	-	NIST	-	1.0	-	-	-



<u>Sample Number</u>	Sample Location	<u>Color</u>	<u>Substrate</u>	<u>Component</u>	Pos/Neg	<u>Reading</u> <u>mg/cm</u> ²	<u>Cond.</u>	<u>Access.</u>	<u>Est. Oty.</u>
220235-XRF-0024	Calibration	-	-	NIST	-	1.0	-	-	-



D





Α

R.H. Dana Elementary School

Site Drawing - Lead- Page 1 of 1

R.H. Dana Elementary School 24242 La Cresta Drive Dana Point, California 92629

Project #: Atch-220235

Capistrano Unified School District

B

LEAD HAZARD EVALUATION REPORT

Section 1 — Date of Lead Hazard Evaluation				
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
Construction date (year) of structure	Type of structure Multi-unit building	School or daycare	Children living in structure?	
	Single family dwelling	Other	Don't Know	
Section 4 — Owner of Structure (if business/agency, list contact person)				
Name		Tel	lephone number	
Address [number, street, apartment (if applicable)]		City	State	Zip Code
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	
Address [number, street, apartment (if applicable)]		City	State	Zip Code
CDPH certification number Si		gnature Mmt 2. Davie		Date
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