March 24, 2021

## Pre-Renovation Asbestos and Lead Survey Report

El Camino High School Drama Classroom Roof 400 Rancho Del Oro Drive Oceanside, CA 92057

### Prepared for:

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FACS Project #PJ63100

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### **Executive Summary**

Forensic Analytical Consulting Services, Inc. conducted a pre-renovation asbestos and lead survey of the El Camino High School Drama Classroom roof located at 400 Rancho Del Oro Drive in Oceanside, California on March 12, 2021. The survey was limited to the suspect asbestos-containing and lead-containing materials that will be disturbed during the planned renovation project. A list of suspect materials identified and sampled are included in Appendix A and Appendix B of this report.

### **Asbestos**

The following material was identified as an asbestos-containing material:

• Black semi-fibrous material associated with the off-white flashing caulk.

### Lead

The following material was identified as lead-containing:

Metal wrap/flashing surrounding rooftop vent pipes.

Any suspect materials or paints/coatings not included in this inspection must be presumed to contain asbestos or lead until such time as they are tested and proven not to contain asbestos or lead, as applicable.

A more complete discussion of the findings, conclusions, and recommendations is provided below.

### Introduction

Forensic Analytical Consulting Services, Inc. (FACS) was retained by the Oceanside Unified School District to perform a pre-renovation asbestos and lead survey of the El Camino High School Drama Classroom roof located at 400 Rancho Del Oro Drive in Oceanside, California. This survey was limited to the suspect asbestos-containing and lead-containing materials that would be disturbed during the planned renovation project. The survey was conducted on March 12, 2021. A list of suspect materials identified and sampled are included in Appendix A and Appendix B of this report.

### **Scope of Work**

The purpose of this survey was to identify all asbestos-containing and lead-containing materials that will be disturbed as part of the El Camino High School Drama Classroom roof project. The visual inspection, bulk sample collection, and survey documentation were performed by Martin Schulz, an EPA-accredited Building Inspector and Certified Asbestos Consultant (CAC# 16-5809). Mr. Schulz is also a California Department of Public Health (CDPH) Certified Lead Sampling Technician (CDPH# LRC-00000068) working under the direction of Chris Chipponeri who is a CDPH Certified Lead Inspector/Assessor (CDPH# LRC-00000782), as required by law. The scope of the survey and the services provided by FACS included:

- Performing a visual inspection of the building roof to identify accessible suspect asbestoscontaining materials (ACM) and lead-containing materials that will be disturbed during the planned renovation project;
- Collection of bulk material samples for asbestos analysis by polarized light microscopy (PLM);
- Collection of bulk material samples for lead analysis by flame atomic absorption spectrometry (Flame AA);
- Ensuring the technical quality of all work by using Asbestos Hazard Emergency Response Act (AHERA)-accredited Inspectors and CDPH-certified Inspector/Assessors and Sampling Technicians:
- Consolidating data and findings into a report format.

### Site Characterization

The subject property is characterized as follows (characterization limited to areas inspected):

Building Type/Use: | School theater classroom

# of Floors:

1

Square Feet.:

~3.000

Foundation:

Slab on grade

Walls:

Concrete

Roof:

Built-up asphalt roofing

HVAC:

Forced air heating/cooling units

Setting:

Residential neighborhood

### Methodology

The survey included all materials and components that would be disturbed by the renovation project. A site plan depicting sampling locations is presented in Appendix D. All other areas of the building and other suspect asbestos-containing materials and lead-containing materials were not inspected or tested during this survey.

The types, numbers, and locations of samples were determined based on provided information, visual observations, regulatory requirements, and other project management considerations.

### **Asbestos Inspection**

#### Bulk Sample Collection

Bulk samples of identified homogeneous areas were collected in building areas that may be impacted by the planned renovation activities. Samples were collected of each separate homogeneous area. A homogeneous area is defined as a surfacing material, thermal system insulation, or miscellaneous material that is uniform in use, color, and texture.

The specific number of samples collected was primarily determined by using the methods presented in the federal AHERA regulations (40 CFR, Part 763.86).

The suspect ACMs were sampled using a knife or other similar coring device suitable to the type of material sampled to cut through its entire thickness and to ensure that a cross-section of the material was obtained. The material was then placed in an appropriately labeled container that was sealed and submitted to SGS-Forensic Laboratories (SGS-FL) located in Carson, California for analysis. A unique sample number was assigned to each sample. Bulk samples will be retained by the laboratory for one month unless otherwise instructed. After this period, the samples will be disposed of appropriately.

Significant destructive testing was not performed, therefore the possibility exists that suspect materials were not detected. In older buildings, there is the potential for encountering hidden potential asbestos-containing materials. If the final renovation design impacts additional materials not already tested, additional pre-renovation testing will be necessary. It should be noted that samples were collected of visible materials and were collected down to the substrate. If additional suspect materials are encountered during renovation activities or other destructive actions, FACS recommends stopping work that may impact the additional suspect ACM and sampling the suspect material for asbestos content.

#### **Bulk Sample Analysis**

A total of twenty-nine (29) bulk samples of nine (9) homogeneous materials were collected from the project area. Bulk samples were analyzed by SGS-FL, a laboratory accredited by the CDPH and the National Institute of Science and Technology's (NIST) National Voluntary Laboratory Accreditation Program (NVLAP). SGS-FL participates in the National Institute for Occupational Safety and Health (NIOSH) Proficiency Analytical Testing Program and has substantial experience in the analysis of asbestos.

All of the samples were analyzed by PLM in accordance with the U.S. Environmental Protection Agency (EPA) "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R93/116). The percentage of asbestos present in the samples was determined on the basis of a visual area estimation. As set forth in the Code of Federal Regulations, 40 CFR Part 763, the lower limit of reliable quantification for asbestos using the PLM method is approximately one percent (1%) by volume, but regulations in California (CAL/OSHA Title 8 CCR 1529) define asbestos-containing materials as those materials having an asbestos content of greater than one tenth of one percent (> 0.1%). Therefore, for the purpose of this survey, any amount of asbestos detected will be considered positive. In addition to the percentages, the types of asbestos minerals are also reported. The PLM method is the standard method used to analyze asbestos bulk samples.

When "None Detected" (ND) appears in the laboratory results, it should be interpreted as meaning no asbestos was observed in the sample material.

### **Lead Inspection**

The lead survey was not a comprehensive lead-based paint or building material survey as detailed in the "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" by The National Center for Lead-Safe Housing for HUD.

Cal/OSHA, in Title 8 California Code of Regulations (CCR) Section 1532.1, Lead in Construction Standard which implements California labor code 8716-6717, regulates all construction work where an employee may be occupationally exposed to lead. Paint or materials with any detectable level of lead is considered lead-containing by Cal/OSHA.

For purposes of this report, materials containing lead shall be defined as materials that contain lead at levels greater than the laboratory's reporting limit for lead by weight using Flame AA laboratory analysis.

Construction work impacting materials with detectable levels of lead is subject to Cal/OSHA requirements.

Construction activities, sometimes referred to as trigger tasks, impacting materials containing <u>any</u> amount of lead require an initial exposure assessment. Trigger tasks are defined in Cal/OSHA 1532.1, section (d) (2) and include but are not limited to such tasks as: manual demolition, manual scraping, manual sanding, lead burning, abrasive blasting, welding, cutting, and torch burning.

### Visual Inspection

Accessible building materials were visually inspected using the methods presented in the federal HUD guidelines. While the HUD guidelines are only directly applicable to public housing, the principles presented are generally accepted as the industry standard for lead inspections.

Samples were collected from representative components, not every individual component. Lead results are assumed to be the same on like components in the same general area of the representative component that was sampled.

### Sample Collection

The types, number, and locations of samples were determined based on available information about the renovation provided to FACS, visual observations, regulatory requirements, and other project management considerations.

One (1) bulk sample was collected during this survey. The sample was individually packed, labeled, and transported following proper chain-of-custody procedures to the analytical laboratory for Flame AA analysis.

### Sample Analysis

The detection limit is determined by factors including the size and matrix of each individual sample. The samples were analyzed by SGS-FL in Carson, California. SGS-FL is accredited by the CDPH Environmental Laboratory Accreditation Program (ELAP), and the American Industrial Hygiene Association (AIHA) Environmental Lead Laboratory Accreditation Program (ELLAP). The sample was analyzed using EPA method 3050B/7000B Flame AA analysis.

### **Findings and Recommendations**

### **Asbestos**

The following material was identified as an asbestos-containing material:

Black semi-fibrous material associated with the off-white flashing caulk.

Materials for which sample analysis by PLM results in greater than one percent asbestos (for any one sample collected from a homogeneous material) are classified as ACM under regulations promulgated by (but not limited to) the following agencies: federal EPA, San Diego Air Pollution Control District (SDAPCD), California EPA (Cal-EPA), federal OSHA, and Cal/OSHA. These materials are also classified as asbestos-containing construction material (ACCM) under Cal/OSHA and California Contractor Licensing Board (CSLB) regulations.

Personnel impacting the asbestos-containing materials identified during this survey must have asbestos training sufficient to meet Cal/OSHA requirements for a Class II material and use asbestos work practices. Notification for the materials will need to be filed with the appropriate agencies, even if courtesy in nature. To comply with Contractors State License Board (CSLB) requirements, the contractor performing abatement of materials will need to hold a C-22 license or a C-39 roofing license with asbestos certification.

Asbestos survey results are summarized in the attached table (Appendix A). The detailed laboratory report and completed Sampling Data Form (Chain-of-Custody) are contained in Appendix C. If any additional materials are determined to be impacted by the project, FACS should be notified and the materials should be tested for asbestos content prior to their disturbance.

#### Lead

The following material was identified as lead-containing:

Metal wrap/flashing surrounding rooftop vent pipes.

The Cal/OSHA Lead in Construction Standard (8 CCR 1532.1) should be followed for any activities that will disturb the above-referenced material in the project area. This is recommended as the standard applies to lead-related construction activities containing *any detectable amount of lead*. Elements of the standard that will be applicable include but may not be limited to: training, exposure assessment monitoring, preparation of a site specific lead compliance plan, use of personal protective equipment, and hygiene facilities.

For a detailed description of the materials sampled and analyzed, see the lead sample results table in Appendix B.

Any suspect materials not included in this inspection must be presumed to be lead-based building materials/coatings until such time as they are tested and proven not to contain lead.

### Limitations

This investigation is limited to the conditions and practices observed and information made available to FACS. The methods, conclusions, and recommendations provided are based on FACS' judgment, expertise, and the standard of practice for professional service. They are subject to the limitations and variability inherent in the methodology employed. As with all environmental investigations, this

investigation is limited to the defined scope and does not purport to set forth all hazards nor indicate that other hazards do not exist.

Please do not hesitate to contact our offices at 858-859-3322 with any questions or concerns. Thank you for the opportunity to assist the Oceanside Unified School District in promoting a more healthful environment.

Respectfully, FORENSIC ANALYTICAL

Martin Schulz Project Manager CAC # 16-5809 CDPH # LRC-00000068 Reviewed by: FORENSIC ANALYTICAL

Chris Chipponeri
Director, Central Valley Offices
CAC # 10-4633
CDPH # LRC-00000782

## **Appendix A Asbestos Results Table**

# Asbestos Survey Summary El Camino High School Drama Classroom Roof Project 400 Rancho Del Oro Drive, Oceanside, CA 92057 Survey Date: March 12, 2021 – Lab report number: B315189

Sample Number	Material Description	Sample Location	Location(s) of Material Asbestos Content		Asbestos Regulatory Classification	Approximate Quantity
01-01	Built-up Asphalt Roofing (black)	East Center	Throughout	Black Semi-Fibrous Tar: ND Multi-Layer Black Felts: ND Multi-Layer Black Tars: ND Tan Fibrous Material: ND	ND	
01-02	Built-up Asphalt Roofing (black)	South Center	Throughout	Fhroughout  Black Felts with Stones: ND  Black Tars: ND		
01-03	Built-up Asphalt Roofing (black)	Northwest Corner	Throughout	Black Semi-Fibrous Tar: ND Black Tars: ND	ND	
01-04	Built-up Asphalt Roofing (black)	Center	Throughout	Black Semi-Fibrous Tar: ND Black Tars: ND	ND	
01-05	Built-up Asphalt Roofing (black)	Southwest Corner	Throughout	Black Semi-Fibrous Tar: ND Black Tars: ND	ND	

Sample Number	Material Description	Sample Location	Location(s) of Material	Asbestos Content	Asbestos Regulatory Classification	Approximate Quantity
02-06	Flashing Caulk (off-white)	North Wall, at HVAC Duct	North and East Parapet Walls	Light Blue Non-Fibrous Material: ND Black Non-Fibrous Material: ND Beige Non-Fibrous Material: ND	Category 1 non-friable	
02-07	Flashing Caulk (off-white)	Northeast Column	North and East Parapet Walls	Dark Beige Non-Fibrous Material: ND <b>Black Semi-Fibrous Material: Chrysotile 2 %</b> Beige Non-Fibrous Material: ND	Category 1 non-friable	10ft²
02-08	Flashing Caulk (off-white)	East Parapet Wall South End	North Wall and East Parapet Wall	Brown Non-Fibrous Material: ND Black Semi-Fibrous Material: ND Beige Non-Fibrous Material: ND	Category 1 non-friable	
03-09	Perimeter Flashing Mastic (black/brown)	North Wall, Center	North Wall and Parapet Walls	Black Non-Fibrous Material with Debris: ND	NA	
03-10	Perimeter Flashing Mastic (black/brown)	South Parapet Wall, Center	North Wall and Parapet Walls	Black Non-Fibrous Material with Debris: ND Beige Non-Fibrous Material: ND	NA	
03-11	Perimeter Flashing Mastic (black/brown)	West Parapet Wall, Center	North Wall and Parapet Walls	Black Non-Fibrous Material with Debris: ND	NA	
04-12	Roof Edge and HVAC Platform/Hatch/Vent Edge Mastic (white over black)	West AHU Platform, West Side	Throughout	Black Semi-Fibrous Tar: ND White Non-Fibrous Material: ND	NA	

Sample Number	Material Description	Sample Location	Location(s) of Material	Asbestos Content	Asbestos Regulatory Classification	Approximate Quantity
04-13	Roof Edge and HVAC Platform/Hatch/Vent Edge Mastic (white over black)	Access Hatch, North Side	Throughout	Black Semi-Fibrous Tar: ND White Non-Fibrous Material: ND	NA	
04-14	Roof Edge and HVAC Platform/Hatch/Vent Edge Mastic (white over black)	Southwest Exhaust Vent, East Side	Throughout	Throughout  Black Semi-Fibrous Tar: ND  White Non-Fibrous Material: ND		
05-15	HVAC and Exhaust Fan Seam Mastic (gray)	East AHU, East Side	HVAC Units (AHUs) and Exhaust Fans	Grey Non-Fibrous Material with Paint: ND	NA	
05-16	HVAC and Exhaust Fan Seam Mastic (gray)	Southeast Exhaust Fan, North Side	HVAC Units (AHUs) and Exhaust Fans	Grey Non-Fibrous Material with Debris: ND	NA	
05-17	HVAC and Exhaust Fan Seam Mastic (gray)	West AHU, North Side	HVAC Units (AHUs) and Exhaust Fans	Grey Non-Fibrous Material with Debris: ND	NA	
06-18	Drain Mastic (Black)	East Drain	Roof Drains	Black Tar: ND	NA	
06-19	Drain Mastic (Black)	Center Drain	Roof Drains	Black Tar: ND	NA	

Sample Number	Material Description	Sample Location	Location(s) of Material	Asbestos Content	Asbestos Regulatory Classification	Approximate Quantity
06-20	Drain Mastic (Black)	West Drain	Roof Drains	Black Tar: ND	NA	
07-21	West Parapet Wall Cap Seam Caulk (gray)	West Parapet Wall, South	West Parapet Wall	Grey Non-Fibrous Material: ND	NA	
07-22	West Parapet Wall Cap Seam Caulk (gray)	West Parapet Wall, Center	West Parapet Wall	Grey Non-Fibrous Material: ND	NA	
07-23	West Parapet Wall Cap Seam Caulk (gray)	West Parapet Wall, North	West Parapet Wall	Grey Non-Fibrous Material: ND Black Non-Fibrous Material: ND Brown Non-Fibrous Material: ND	NA	
08-24	HVAC Duct Penetration Flashing Mastic	East HVAC Unit (AHU), At North Wall, Top	East HVAC Unit (AHU) Duct	Tan Non-Fibrous Material: ND	NA	
08-25	HVAC Duct Penetration Flashing Mastic	East HVAC Unit (AHU), At North Wall, East Side	East HVAC Unit (AHU) Duct	Tan Non-Fibrous Material: ND	NA	
08-26	HVAC Duct Penetration Flashing Mastic	East HVAC Unit (AHU), At North Wall, Bottom	East HVAC Unit (AHU) Duct	Grey Non-Fibrous Material: ND Tan Non-Fibrous Material: ND	NA	

Sample Number	Material Description	Sample Location	Location(s) of Material	Y ASPASTAS LANTANT		Approximate Quantity
09-27	HVAC Duct Seam Mastic (beige)	East HVAC Unit (AHU), East Duct, Top	East HVAC Unit (AHU) Duct	Off-White Non-Fibrous Material: ND Beige Non-Fibrous Material: ND	NA	
09-28	HVAC Duct Seam Mastic (beige)	East HVAC Unit (AHU), East Duct, Bottom	East HVAC Unit (AHU) Duct	Off-White Non-Fibrous Material: ND Beige Non-Fibrous Material: ND	NA	
09-29	HVAC Duct Seam Mastic (beige)	East HVAC Unit (AHU), West Duct, Bottom	East HVAC Unit (AHU) Duct	Off-White Non-Fibrous Material: ND Beige Non-Fibrous Material: ND	NA	

Abbreviations/Acronyms

ND – No Asbestos Detected

NA – Not Applicable

Analytical Method: Polarized Light Microscopy (PLM), EPA/600/R-93/116

### **Appendix B**

### **Lead Results Table**

# Lead Survey Summary El Camino High School Drama Classroom Roof Project 400 Rancho Del Oro Drive, Oceanside, CA 92057 Survey Date: March 12, 2021 – Lab report number: M232437

Sample Number	Sample Location	Component	Color	Substrate	Result (mg/kg)	
L01	Roof, East Center	Vent Pipe Flashing	Gray	Metal	430,000	

Analytical Method: Flame Atomic Absorption Spectrometry (Flame AA), EPA 3050B/7000B

## **Appendix C**

Laboratory Reports, Chain-of-Custody Documents, and CDPH Form 8552

SD06

**Client ID:** 



Forensic Analytical Consulting Svcs

Bulk Asbestos Analysis (EPA Method 40CFR, Part 763, Appendix E to Subpart E and EPA 600/R-93-116, Visual Area Estimation) NVLAP Lab Code: 101459-1

Martin Schulz 3111 Camino del Rio North Suite 426 San Diego, CA 92108	Martin Schulz 111 Camino del Rio North Suite 426						
Job ID/Site: PJ63100; Oceanside Unit Date(s) Collected: 03/12/2021	fied School Distr	ict			SGSFL Job l Total Sample Total Sample	es Submitted:	29 29
Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
01-01  Layer: Black Semi-Fibrous Tar  Layer: Multi-Layer Black Felts  Layer: Multi-Layer Black Tars  Layer: Tan Fibrous Material	51423361		ND ND ND ND				
Total Composite Values of Fibrous C Cellulose (2 %) Fibrous Glass (3	-	Asbestos (ND)					
01-02 Layer: Black Felts with Stones Layer: Black Tars	51423362		ND ND				
Total Composite Values of Fibrous C Cellulose (Trace) Fibrous Glass (	•	Asbestos (ND)					
01-03 Layer: Black Semi-Fibrous Tar Layer: Black Tars	51423363		ND ND				
Total Composite Values of Fibrous C Cellulose (Trace) Fibrous Glass (	-	Asbestos (ND)					
<b>01-04</b> Layer: Black Semi-Fibrous Tar Layer: Black Tars	51423364		ND ND				
Total Composite Values of Fibrous C Cellulose (Trace) Fibrous Glass (	•	Asbestos (ND)					
<b>01-05</b> Layer: Black Semi-Fibrous Tar Layer: Black Tars	51423365		ND ND				
Total Composite Values of Fibrous C Cellulose (Trace) Fibrous Glass (	-	Asbestos (ND)					
02-06  Layer: Light Blue Non-Fibrous Material Layer: Black Non-Fibrous Material Layer: Beige Non-Fibrous Material	51423366 rial		ND ND ND				
Total Composite Values of Fibrous C Cellulose (Trace)	domponents:	Asbestos (ND)					

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Client Name: Forensic Analytical Consulting Svcs

- Cheft Tame: I ofensie I marytical Consu	iting 5 ves				2400 1 1111004	05/10/1	
Sample ID	Lab Numbe	Asbestos er Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
02-07	51423367						
Layer: Dark Beige Non-Fibrous Materi			ND				
· ·	aı	C1					
Layer: Black Semi-Fibrous Material		Chrysotile	2 %				
Layer: Beige Non-Fibrous Material			ND				
Total Composite Values of Fibrous Con Cellulose (Trace)	mponents:	Asbestos (Trac	ee)				
02-08	51423368						
	31423306		NID				
Layer: Brown Non-Fibrous Material			ND				
Layer: Black Semi-Fibrous Material			ND				
Layer: Beige Non-Fibrous Material			ND				
Total Composite Values of Fibrous Con	mponents:	Asbestos (ND)					
Cellulose (Trace)	inponents.	risbestos (TID)					
03-09	51423369						
Layer: Black Non-Fibrous Mat'l with D	<b>D</b> ebris		ND				
Total Composite Values of Fibrous Con		Asbestos (ND)					
Cellulose (Trace)	inpolicitis.	Aspestos (ND)					
03-10	51423370						
Layer: Black Non-Fibrous Mat'l with D	)ebris		ND				
Layer: Beige Non-Fibrous Material			ND				
Total Composite Values of Fibrous Con	mponents:	Asbestos (ND)					
Cellulose (Trace)	•						
03-11	51423371						
Layer: Black Non-Fibrous Mat'l with D	ebris e		ND				
Total Composite Values of Fibrous Con Cellulose (Trace)	mponents:	Asbestos (ND)					
	#4.4000#B						
04-12	51423372						
Layer: Black Semi-Fibrous Tar			ND				
Layer: White Non-Fibrous Material			ND				
Total Composite Values of Fibrous Cor	mnonente:	Asbestos (ND)					
*	inponents.	Asucsius (ND)					
Cellulose (2 %)							
04-13	51423373						
Layer: Black Semi-Fibrous Tar			ND				
Layer: White Non-Fibrous Material			ND				
Total Composite Values of Fibrous Con	mponents:	Asbestos (ND)					
Cellulose (2 %)							
04-14	51423374						
Layer: Black Semi-Fibrous Tar			ND				
Layer: White Non-Fibrous Material			ND				
•	mmonanta	A shorter (NID)					
Total Composite Values of Fibrous Con	inponents:	Asbestos (ND)					
Cellulose (2 %)							
05-15	51423375						
Layer: Grey Non-Fibrous Mat'l with Pa			ND				
·		A 1 ( (ATP))	. 122				
Total Composite Values of Fibrous Con Cellulose (Trace)	mponents:	Asbestos (ND)					

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Sample ID	Lab Numbe	Asbestos er Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
<b>05-16</b> Layer: Grey Non-Fibrous Mat'l with D	51423376 ebris		ND				
Total Composite Values of Fibrous Co- Cellulose (Trace)	mponents:	Asbestos (ND)					
<b>05-17</b> Layer: Grey Non-Fibrous Mat'l with D	51423377 ebris		ND				
Total Composite Values of Fibrous Co. Cellulose (Trace)	mponents:	Asbestos (ND)					
<b>06-18</b> Layer: Black Tar	51423378		ND				
Total Composite Values of Fibrous Co. Cellulose (Trace)	mponents:	Asbestos (ND)					
<b>06-19</b> Layer: Black Tar	51423379		ND				
Total Composite Values of Fibrous Co. Cellulose (Trace)	mponents:	Asbestos (ND)					
<b>06-20</b> Layer: Black Tar	51423380		ND				
Total Composite Values of Fibrous Co. Cellulose (Trace)	mponents:	Asbestos (ND)					
<b>07-21</b> Layer: Grey Non-Fibrous Material	51423381		ND				
Total Composite Values of Fibrous Co. Cellulose (Trace)	mponents:	Asbestos (ND)					
<b>07-22</b> Layer: Grey Non-Fibrous Material	51423382		ND				
Total Composite Values of Fibrous Co. Cellulose (Trace)	mponents:	Asbestos (ND)					
07-23  Layer: Grey Non-Fibrous Material  Layer: Black Non-Fibrous Material  Layer: Brown Non-Fibrous Material	51423383		ND ND ND				
Total Composite Values of Fibrous Co- Cellulose (Trace)	mponents:	Asbestos (ND)					
<b>08-24</b> Layer: Tan Non-Fibrous Material	51423384		ND				
Total Composite Values of Fibrous Co- Cellulose (Trace)	mponents:	Asbestos (ND)					
<b>08-25</b> Layer: Tan Non-Fibrous Material	51423385		ND				
Total Composite Values of Fibrous Co. Cellulose (Trace)	mponents:	Asbestos (ND)					

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Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
<b>08-26</b> Layer: Grey Non-Fibrous Material Layer: Tan Non-Fibrous Material	51423386		ND ND				
Total Composite Values of Fibrous Com Cellulose (Trace)	ponents:	Asbestos (ND)					
<b>09-27</b> Layer: Off-White Non-Fibrous Material Layer: Beige Non-Fibrous Material	51423387		ND ND				
Total Composite Values of Fibrous Com Cellulose (Trace)	ponents:	Asbestos (ND)					
09-28 Layer: Off-White Non-Fibrous Material Layer: Beige Non-Fibrous Material	51423388		ND ND				
Total Composite Values of Fibrous Com Cellulose (Trace)	ponents:	Asbestos (ND)					
<b>09-29</b> Layer: Off-White Non-Fibrous Material Layer: Beige Non-Fibrous Material	51423389		ND ND				
Total Composite Values of Fibrous Com Cellulose (Trace)	ponents:	Asbestos (ND)					



Tiffani Ludd, Laboratory Supervisor, Carson Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

Analytical results and reports are generated by SGS Forensic Laboratories (SGSFL) at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by SGSFL to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by SGSFL. The client is solely responsible for the use and interpretation of test results and reports requested from SGSFL. SGSFL is not able to assess the degree of hazard resulting from materials analyzed. SGS Forensic Laboratories 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. All samples were received in acceptable condition unless otherwise noted.

### SAMPLING DATA FORM & CHAIN OF CUSTODY

FIFACS

	NT: SD06 FACS San Diego Inside Unified School District	Sampled by: Martin Schulz Sample Date: १/१४/२ (								
	Bldg.: Oceanside USD - El Camino HS Drama Classroom - ACM & Lead Survey	Turnaround	Furnaround Time: RUSH 24 hr 48 hr Extended ( <u>3</u>				days)			
	ancho Del Oro Drive, Oceanside, CA 92057	Analysis:	Ľ.	PLM Sta	ndard	PLM with Point Count (400 pt 1,000 pt.	pt.)			
FACS	Project No.: PJ63100	Special Instructions E-mail results to mschulz@forensicanalytical.com								
на#	Homogeneous Material Description (color, texture, phase of construction)	Quant. in SF (LF for small pipe only)		Condition (good, fair, poor)	Sample Number	Sample Location	Lab Result (when rovd)			
<u> </u>	BUILT-UP ASTINALY ROWING	3000	NF	G	01	EAST CENTER				
1			1		52	Sour Course				
					ળ્ડ	Normuest Corner				
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DW =	Drywall JC = Joint Compound WT = Wall Texture VFT = ACS = Sprayed-on Acoustical Ceiling Material FP = Fireproof	Vinyl Floor Til	e VSF	= Vinyl She	et Flooring	BB = Baseboard BBM = Baseboard Mastic CM = Carpet Mastic ACT = Activation WP = Plaster CP = Ceiling Plaster ES = Exterior Stucco	oustic Ceiling			
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Ocea	NT: SD06 FACS San Diego nside Unified School District	Sampled by			lz	Sample Date: 3\(\(\gamma\)	Z\				
Site/	Bldg.: Oceanside USD - El Camino HS Drama Classroom - ACM & Lead Survey	Turnaround Time:			RUSH	24 hr 48 hr Extended ( <u>3</u> days)	tended ( <u>3</u> days)				
	ancho Del Oro Drive, Oceanside, CA 92057	Analysis:	Analysis: X PLM Standard PLM with Point Count (400 pt								
FACS	Project No.: PJ63100	Special Instructions E-mail results to mschulz@forensicanalytical.com									
HA# Homogeneous Material Description (color, texture, phase of construction)		Quant. in SF (LF for small pipe only)	*   Nombor!								
οъ	PERINETER TISKING MASTIC	් රිත	74	C.	99	Morry Wall, CENTER					
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Ocea	NT: SD06 FACS San Diego nside Unified School District	Sampled by			Sample Date: 3\12\	Sample Date: $3/(2/2)$					
Site/	<b>Bidg.:</b> Oceanside USD - El Camino HS Drama Classroom - ACM & Lead Survey	Turnaround Time:			RUSH	24 hr 48 hr	Extended ( 3 days)				
	ancho Del Oro Drive, Oceanside, CA 92057	Analysis: PLM Standard PLM with Point Count					(400 pt 1,000 j	ot.)			
FACS Project No.: PJ63100		Special Instructions E-mail results to mschulz@forensicanalytical.com									
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### **SAMPLING DATA FORM & CHAIN OF CUSTODY**

Page 4 of 5

CLIENT: SD06 FACS San Diego Oceanside Unified School District		Sampled by: Martin Schulz Sample Date: 3\12\-2\											
Site/	<b>Bidg.:</b> Oceanside USD - El Camino HS Drama Classroom ACM & Lead Survey	Turnaround Time:			RUSH 24 hr 48 ł			Ex	<u>≾</u> days)				
	ancho Del Oro Drive, Oceanside, CA 92057	Analysis:		PLM Sta	ndard	PL	M with Point	Count (	400 pt.	1,000	pt.)		
FACS	Project No.: PJ63100	Special Instructions E-mail results to mschulz@forensicanalytical.com											
HA#	Homogeneous Material Description (color, texture, phase of construction)	Quant. in SF (LF for small pipe only)		Condition (good, fair, poor)	Samurie	Sample Location					Lab Result (when rovd)		
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## Metals Analysis of Bulks - TTLC (AIHA-LAP, LLC Accreditation, Lab ID #101629)

Forensic Analytical Consulting Svcs **Client ID:** SD06 Martin Schulz **Report Number:** M232437 3111 Camino del Rio North **Date Received:** 03/15/21 Suite 426 **Date Analyzed:** 03/16/21 San Diego, CA 92108 **Date Printed:** 03/16/21 **First Reported:** 03/16/21 Job ID / Site: PJ63100; Oceanside Unified School District **SGSFL Job ID: SD06** Date(s) Collected: 03/12/21 **Total Samples Submitted:** 1 **Total Samples Analyzed:** 

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit*	Method Reference
L-01	LM201307	Pb	430000	mg/kg	30000	EPA 3050B/7000B

Beatriz Hinojosa, Laboratory Supervisor, Carson Laboratory

Analytical results and reports are generated by SGS Forensic Laboratories at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by SGS Forensic Laboratories to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by SGS Forensic Laboratories. The client is solely responsible for the use and interpretation of test results and reports requested from SGS Forensic Laboratories. SGS Forensic Laboratories is not able to assess the degree of hazard resulting from materials analyzed. SGS Forensic Laboratories 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. Any modifications that have been made to referenced test methods are documented in SGS Forensic Laboratories' Standard Operating Procedures Manual. Sample results have not been blank corrected. Quality control and sample receipt condition were acceptable unless otherwise noted.

Note\* Sampling data used in this report was provided by the client as noted on the associated chain of custody form.

<sup>\*</sup> The Reporting Limit represents the lowest amount of analyte that the laboratory can confidently detect in the sample, and is not a regulatory level. The Units for the Reporting Limit are the same as the Units for the Final Results.



### PAINT CHIP SAMPLE REQUEST FORM

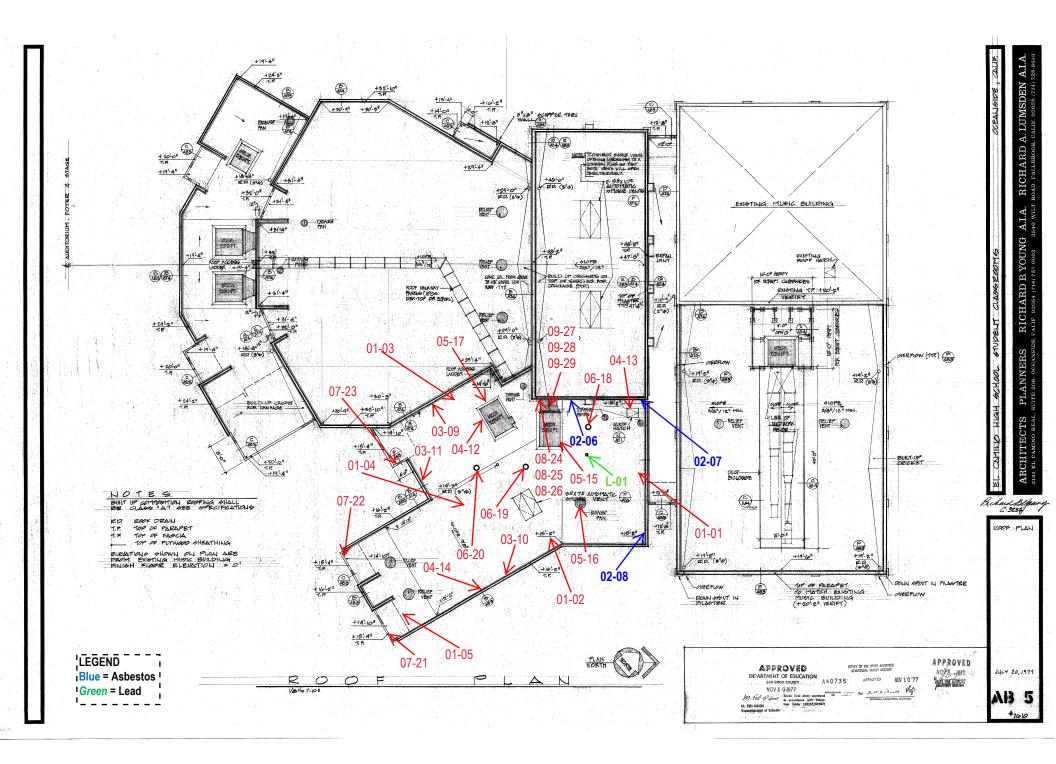
Page 1 of 1.

Client:	SD06 FACS San Diego Oceanside Unified Schoo	i District	Sampled by:				PM:	Martin Sc	hulz	Da	ate:	3/12/21	
Contact:	Martin Schulz	Phone: (760) 317-0098	Special Instructions:	E-n	nail re	sults to m	schulz@f	orensicana	lytical	.com			
Site:	ACM & Lead Survey	nino HS Drama Classroom roof – ive, Oceanside, CA 92057	Turnaround Time:		-Day	2-Day	3-Day	5-Day	Oth	er E	Due Da	te and Tin	ie:
Client No.:	C3013	FACS Job #: PJ63100	Analysis:		Flame Other:	AA (Pb)	) /						
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### **LEAD HAZARD EVALUATION REPORT**

Section 1 — Date of Lead I	Hazard Evaluation 3/12/2	1					
Section 2 — Type of Lead I		one box only)					
Lead Inspection	Risk assessment C	Clearance Inspection 🗸	Other (specify) Limited	lead testing			
Section 3 — Structure Whe				7:01			
Address [number, street, apartm		City	County	Zip Code			
400 Rancho Del Oro Dri	ve	Oceanside	San Diego	92057			
Construction date (year) of structure	Type of structure		Children living in struc	cture?			
	Multi-unit building	✓ School or daycare	☐ Yes ✓	No			
Unknown	Single family dwelling	Other_	Don't Know				
Section 4 — Owner of Stru	cture (if business/agency	, list contact person)					
Name			Telephone number				
Oceanside Unified Sch	ool District / Dr. Shan	non Soto	760-966-4047				
Address [number, street, apartm	ent (if applicable)]	City	State	Zip Code			
2111 Mission Avenue		Oceanside	San Diego	92058			
Section 5 — Results of Lea	 ad Hazard Evaluation (ch∉	eck all that apply)					
No lead-based paint detected  No lead hazards detected  Section 6 — Individual Cor  Name  Chris Chipponeri	Lead-contaminated d			d-based paint detected  Other Lead flashing			
Address [number, street, apartm	ent (if applicable)]	City	State	Zip Code			
207 McHenry Avenu		Modesto	CA	95354			
CDPH certification number	<u> </u>	Bignature		Date			
LRC-00000782		Chris Chippe	oneri	3/21/21			
Name and CDPH certification nu	umber of any other individuals						
Martin Schulz, LRO	C-00000068						
Section 7 — Attachments							
A. A foundation diagram or s lead-based paint;     B. Each testing method, device. All data collected, including	ice, and sampling procedur	re used;					
First copy and attachments retai	ned by inspector	Third copy only (no	attachments) mailed or faxe	ed to:			
Second copy and attachments re	etained by owner	Childhood Lead Pois 850 Marina Bay Par	California Department of Public Health Childhood Lead Poisoning Prevention Branch Reports 850 Marina Bay Parkway, Building P, Third Floor Richmond, CA 94804-6403 Fax: (510) 620-5656				

# **Appendix D**Site Plan Depicting Sample Locations



# **Appendix E Representative Photographs**



Photo #1: Overview of building, showing drama classroom at forefront



Photo #2: General overview of drama classroom roof



Photo #3: Drama classroom roof, view of lower north wall east of AHU duct, showing asbestos-containing off-white flashing caulk



Photo #4: Drama classroom roof, view of east parapet wall, showing asbestos-containing off-white flashing caulk

# **Appendix F FACS Personnel Certifications**

DEPARTMENT OF INDUSTRIAL RELATIONS

Division of Occupational Safety and Health

Asbestos Certification & Training Unit

1750 Howe Avenue, Suite 460

Sacramento, CA 95825

(916) 574-2993 Office <a href="http://www.dir.ca.gov/dosh/asbestos.html">http://www.dir.ca.gov/dosh/asbestos.html</a>

acru@dir.ca.gov



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November 12, 2020

Martin K Schulz 1050 Chalcedony Street San Diego CA 92109

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. To maintain your certification, you must abide by the rules printed on the back of the certification card.

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days <u>before</u> the expiration date shown on your card. [8 CCR 341.15(h)(1)].

Please hold and do not send copies of your required AHERA refresher renewal certificates to our office until you apply for renewal of your certification.

Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as an asbestos consultant or site surveillance technician.

Please notify our office via U.S. Postal Service or other carrier of any changes in your mailing or work address within 15 days of the change.

Sincerely,

Jeff Ferrell

Senior Safety Engineer

Attachment: Certification Card

cc: File

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

Martin K Schulz

Name
Certification No. 16-5809

Expires on
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

**INDIVIDUAL:** 

**CERTIFICATE TYPE:** 

**NUMBER:** 

**EXPIRATION DATE:** 

Lead Sampling Technician
Lead Project Monitor

LRC-00000068

6/20/2021

LRC-00001369

6/20/2021

**Martin Schulz** 

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 <a href="https://www.cdph.ca.gov/programs/clppb">www.cdph.ca.gov/programs/clppb</a> or calling (800) 597-LEAD.

DEPARTMENT OF INDUSTRIAL RELATIONS

Division of Occupational Safety and Health

Asbestos Certification & Training Unit

2424 Arden Way, Suite 495

Sacramento, CA 95825-2417

(916) 574-2993 Office <a href="http://www.dir.ca.gov/dosh/asbestos.html">http://www.dir.ca.gov/dosh/asbestos.html</a>

acru@dir.ca.gov



005174633C

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June 08, 2020

Christopher J Chipponeri 1401 Louise Avenue Modesto CA 95350

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. To maintain your certification, you must abide by the rules printed on the back of the certification card.

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days <u>before</u> the expiration date shown on your card. [8 CCR 341.15(h)(1)].

Please hold and do not send copies of your required AHERA refresher renewal certificates to our office until you apply for renewal of your certification.

Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as an asbestos consultant or site surveillance technician.

Please notify our office via U.S. Postal Service or other carrier of any changes in your mailing or work address within 15 days of the change.

Sincerely,

Jeff,Ferrell

Senior Safety Engineer

Attachment: Certification Card

cc: File

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

Christopher J Chipponeri

Name/

Certification No. 10-4633

Expires on 06/16/21

This certification was issued by the Division of Occupational Serety and Health as authorized by Sections 7100 at \$50.00 the Business and Professions Code.

Renewal - Card Attached 08/2019



### STATE OF CALIFORNIA DEPARTMENT OF PUBLIC HEALTH



## LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL: CERTIFICATE TYPE:

**NUMBER:** 

**EXPIRATION DATE:** 

Lead Inspector/Assessor

LRC-00000782

6/20/2021



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 <a href="https://www.cdph.ca.gov/programs/clppb">www.cdph.ca.gov/programs/clppb</a> or calling (800) 597-LEAD.

Right People
Right Perspective
Right Now

www.forensicanalytical.com