Pre-Renovation Asbestos and Lead Survey Report

Glen Helen Regional Park – Island Tower

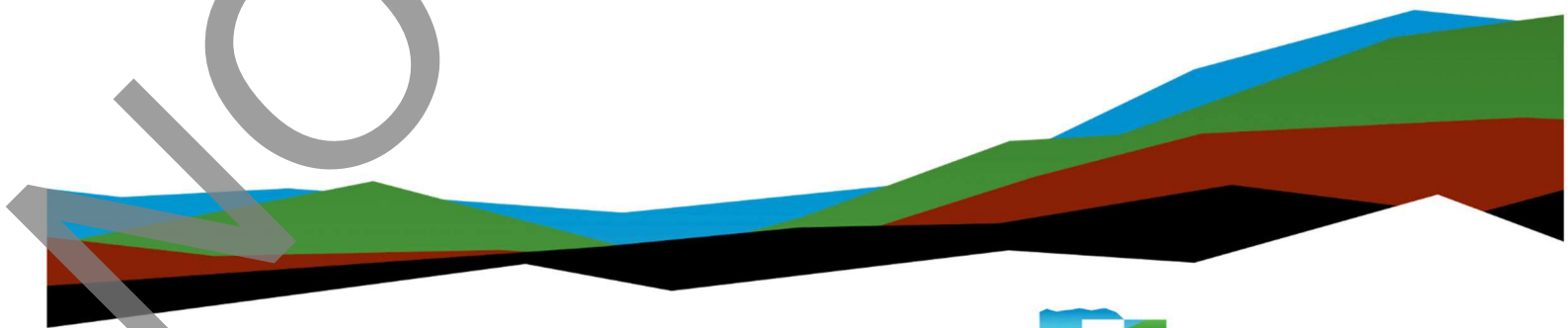
2555 Glen Helen Parkway

San Bernardino, California 92407

September 12, 2023 | Terracon Project Number: LA237543

Prepared for:

County of San Bernardino
San Bernardino, California



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September 12, 2023

County of San Bernardino CA
385 North Arrowhead Avenue, 2nd Floor
San Bernardino, California 92415

Attn: Mr. Robert Burton
Project & Facilities Management Department
Project Manager I
P: (909) 387-5000
E: Robert.Burton@pfm.sbcounty.com

RE: Pre-Demolition Asbestos and Lead Survey Report with Visual Mold Inspection
Glen Helen Regional Park – Island Tower
2555 Glen Helen Parkway
Yucaipa, San Bernardino County, California 92407
Terracon Project Number: LA237543

Dear Mr. Burton:

Terracon Consultants, Inc. (Terracon) is pleased to present the findings of the pre-demolition asbestos and lead inspection with visual mold inspection performed on September 1, 2023, at the above referenced Property. The inspection was conducted in general accordance with Terracon Proposal No. PLA237543, dated August 15, 2023 and revised on August 16, 2023.

Terracon appreciates the opportunity to provide this service to County of San Bernardino. If you have any questions regarding this report, please contact Mark Korte in our Laguna Hills, California office at 949.383.1977.

Sincerely,
Terracon Consultants, Inc.

Mark Korte, CAC, CDPH Lead I/A
Project Manager

Chris Blake, CAC
Senior Project Manager

Table of Contents

1.0 Introduction

Terracon Consultants, Inc. (Terracon) conducted a pre-demolition asbestos and lead survey with visual mold inspection of the Island Tower Building located within Glen Helen Regional Park, located at 2555 Glen Helen Regional Parkway San Bernardino, San Bernardino County, California. The inspection and sampling activities were conducted on September 1, 2023, by a California Division of Occupational Safety and Health (DOSH) Certified Asbestos Consultant (CAC) and California Department of Public Health (CDPH) Lead Sampling Technician.

The inspection objective was to evaluate building materials for potential asbestos and lead content and conduct a visual mold inspection prior to the planned repair and remediation of water damaged areas of the subject facilities.

2.0 Building Description

The subject building is situated within the Glen Helen Regional Park. The Park Office building interior is approximately 1,200 square feet and contains an attached garage. The subject building is identified as the Island Tower. The building is approximately 4,000 square feet in size and consists of multiple stories. Interior finishes include drywall walls, and concrete flooring. The exterior is finished with wood siding and the roof is pitched and comprised of wood shingles. The land is improved with landscaping, concrete paved parking, and utilities.

3.0 Field Activities

The inspection was conducted September 1, 2023, by Mr. Alan Alonso, a DOSH CAC and CDPH Lead Sampling Technician. All pertinent certifications and licenses are attached in Appendix D. A summary of the field activities is described below.

3.1 Visual Assessment

Asbestos

Terracon began the sampling activities with a visual assessment, identification and inventory of all homogeneous areas of suspect asbestos-containing materials (ACM). A homogeneous area consists of building materials that appear similar throughout in terms of color and texture. The assessment included all accessible interior and exterior areas of the subject buildings. Building materials identified as glass (includes fiberglass), wood, metal, and plastic were not considered suspect ACM.

Lead-Containing Materials

Inspection activities began with visual observations of painted surfaces to identify unique materials and applications throughout the subject areas.

3.2 Physical Assessment

Asbestos

A physical assessment of each homogeneous area of suspect ACM was conducted to determine the friability and condition of the material. A friable material is defined by the U.S. Environmental Protection Agency (EPA) as a material which can be crumbled, pulverized or reduced to powder by hand pressure when dry. Friability was determined via tactile assessment.

Lead-Containing Materials

Lead paint chip samples were collected to comply with DOSH regulations (Title 8 CCR 1532.1 – Lead Exposure in Construction) for the proposed renovation activities. Suspect lead-containing materials were sampled to identify potential worker exposure and disposal restrictions.

3.3 Sample Collection and Analysis

Asbestos

Based on results of the visual observation, bulk samples of suspect ACM were collected in general accordance with Asbestos Hazard Emergency Response Act (AHERA) sampling protocols. Random samples of suspect materials were collected in each homogeneous area. Suspect asbestos-containing materials were collected using wet methods, where applicable, to reduce the potential for fiber release. Samples were placed in sealable containers and labeled with unique sample numbers.

Terracon collected twenty-seven (27) samples from nine (9) homogeneous areas. Samples of suspect ACM were delivered under chain-of-custody protocol to SGS Forensic Laboratories (SGS) in Carson, California. SGS is a laboratory accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) under the National Institute of Standards and Technology (NIST) for analysis by polarized light microscopy (PLM). The asbestos inspection sample summary can be found in Appendix A. Laboratory analytical reports are included in Appendix B. The sampling locations are provided in Appendix C.

Lead-Containing Materials

Five (5) paint chip samples were collected for lead analysis. The samples were delivered under chain-of-custody to SGS in Carson, California. The paint samples were analyzed by Flame Atomic Absorption (Flame AA) in accordance with EPA Method 7000B. The lead inspection sample summary can be found in Appendix A. Laboratory analytical reports are included in Appendix B. The sampling locations are provided in Appendix C.

4.0 Regulatory Overview

Asbestos

As a consequence of the health hazard from inhalation of asbestos fibers, a body of federal and state regulations has been developed. Federal regulations pertaining to asbestos are included in AHERA (US EPA 40 CFR 763); National Emission Standard for Hazardous Air Pollutants (NESHAP [EPA 40 CFR 61]); Occupational Safety & Health Administration (OSHA) Asbestos Standards (29 CFR 1910.1001 and 29 CFR 1926.1101), and the Asbestos School Hazard Abatement Reauthorization Act (ASHARA). Many states have additional requirements including state-specific licensing and certification. In California, these regulations include, but are not limited to: Cal/OSHA in Title 8, Sections 1529 and 5208 and the South Coast Air Quality Management District (SCAQMD) Rule 1403.

The federal asbestos NESHAP standard (40 CFR Part 61, Subpart M) regulates asbestos fiber emissions and asbestos waste disposal practices. NESHAP also requires the identification and classification of asbestos removal in the SCAQMD. Under NESHAP, ACMs are classified as either friable, Category I non-friable or Category II non-friable ACM.

Friable materials are those that, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure. Category I non-friable ACM includes packings, gaskets, resilient floor coverings and asphalt roofing products containing more than 1% asbestos. Category II non-friable ACM are any materials other than Category I materials that contain more than 1% asbestos.

Friable ACM, along with Category I and Category II non-friable ACM, which is in poor condition and has become friable or which will be subjected to drilling, sanding, grinding, cutting, or abrading and which could be crushed or pulverized during anticipated renovation or demolition activities are considered regulated ACM (RACM). Building materials confirmed to be ACM through the collection of bulk sampling and subsequent laboratory analysis, or presumed ACM, must be removed prior to intentional disturbance during planned renovation/demolition activities. Asbestos abatement must be conducted by Cal/OSHA-accredited asbestos abatement contractors. Third-party air monitoring should be conducted during the abatement activities.

Cal/OSHA requires that only properly licensed and certified asbestos abatement contractors are allowed to remove ACM. As per NESHAP, all RACM shall be removed from a facility being demolished or renovated before any non-burning demolition or renovation begins that would break up, dislodge, or similarly disturb the material or preclude access to the material for subsequent removal. According to SCAQMD, if more than 100 square feet of any ACM is to be stripped, removed, dislodged, cut, drilled, or similarly disturbed, or for any demolition, the asbestos abatement contractor or facility owner must submit an Asbestos Notification of Demolition and Renovation form to SCAQMD along with the appropriate fees within at least ten (10) working days prior to the scheduled asbestos removal activity or demolition start date. Planned renovations that do not meet the definition of 'demolition or renovation of a facility' per SCAQMD and where no ACM exists do not require notification to SCAQMD.

The federal OSHA Asbestos standard for construction (29 CFR 1926.1101) and the Cal/OSHA asbestos standard for general industry and the construction industry (CCR Title 8, Sections 5208

and 1529, respectively) regulate workplace exposure to asbestos. Both the federal OSHA and Cal/OSHA standards require that employee exposure to airborne asbestos fibers be maintained below 0.1 asbestos fibers per cubic centimeter of air (0.1 f/cc) as an eight-hour time weighted average (TWA). The federal OSHA and Cal/OSHA standards classifies construction and maintenance activities which could disturb ACM and specifies work practices and precautions which employers must follow when engaging in each class of regulated work. However, workers who deliberately disturb any amount of asbestos should have pertinent training and wear proper personal protective equipment according to federal and state regulatory requirements (i.e., Cal/OSHA 8 CCR 1529 (g) (1) through (9) for Class I, II and III work).

Asbestos-containing construction materials (ACCM) is a term developed by Cal/OSHA out of concern for non-hazardous building materials used inside and outside a building that contain less than 1% asbestos. The definition of ACCM includes any manufactured building material that has more than one-tenth of 1% (>0.1%) asbestos content. The SCAQMD requires point counting of friable samples of ACM at concentrations of less than 10% to determine more accurately the content of asbestos and proper classification of the material for proper abatement and disposal requirements. Alternatively, materials may be presumed as ACMs. If the material is less than one tenth of 1%, the material is not regulated by the EPA however Cal/OSHA worker protection regulations apply if any asbestos is detected.

Lead

The Resource Conservation and Recovery Act (RCRA) gave the EPA authority to regulate the waste status of demolition and renovation debris, including lead-containing materials. Specific notification and testing requirements must be addressed prior to transporting, treating, storing, or disposing of hazardous wastes. Lead containing wastes are considered hazardous waste under RCRA if Toxicity Characteristic Leaching Procedure (TCLP) results exceed 5 milligrams per liter (mg/L). EPA exempts from most RCRA requirements those generators whose combined hazardous waste generation is less than 100 kilograms (kg) per month.

Detectable lead quantities may constitute a lead dust hazard during renovation/demolition activities. Personnel performing renovation/demolition activities that may disturb painted components with concentrations of lead above the designated analytical detection limit should comply with all current OSHA regulations in order to minimize employee exposure. OSHA regulates construction activities that disturb lead-containing material regardless of the concentration. Currently, any proposed renovation/demolition is subject to the OSHA regulations (29 CFR 1926.62 – Lead Exposure in Construction).

In California, the lead standard was adopted by DOSH as Title 8 CCR, Section 1532.1 (Occupational Lead Poisoning Prevention Program). The California Department of Public Health also regulates accreditations, certifications and work practices for activities involving lead-containing materials under Title 17 CCR. The federal and DOSH regulations define specific training requirements, engineering controls and working practices for construction personnel subject to this standard. Occupational exposure to lead occurring in the course of construction work, including maintenance activities, painting, alteration and repairs is subject to the OSHA Lead Exposure in Construction standard.

Contractors and employers are required to comply with 29 CFR 1926.62 and Title 8 CCR 1532.1. Construction work covered by federal and DOSH standards includes any repair or renovation activities or other activities that disturb in-place lead-containing materials. Employers must assure that no employee will be exposed to lead at concentrations greater than 50 micrograms per cubic meter (µg/m3) averaged over an eight-hour period without adequate protection. The Federal and California OSHA Standards also establish an action level of 30 µg/m3, which if exceeded, triggers the requirement for medical monitoring.

5.0 Findings

Based on the results of laboratory analysis, asbestos was detected in five (5) of the homogeneous areas sampled. The confirmed ACM are detailed in the table below:

TABLE I
CONFIRMED ASBESTOS CONTAINING MATERIALS

HA	Material Description	Material Location	Result	NESHAP Class	Condition	Square Feet
1	Wallboard with Joint Compound	Tower Level 1 – Rooms 1 & 2	Drywall – ND Joint Compound – 2% CH	RACM	Good	1,800
2	Wallboard with Joint Compound	Tower Level 1 – Add-on	Drywall – ND Joint Compound – 2% CH	RACM	Good	350
3	Wallboard with Joint Compound	Tower Levels 2 - 4	Drywall – ND Joint Compound – 2% CH	RACM	Good	800
4	Wallboard with Joint Compound	Tower Level 6	Drywall – ND Joint Compound – 2% CH	RACM	Good	350
5	Roofing Felt under Wood Shingles	Roof	55% CH	RACM	Good	2,800

CH - Chrysotile asbestos

Please refer to the Asbestos Sample Summary in Appendix A for a summary of all materials collected and sample locations. The asbestos lab results and chain of custody forms for the suspect asbestos samples can be found in Appendix B.

Should suspect materials other than those which were identified during this inspection be uncovered prior to or during the demolition, those materials should be assumed asbestos-containing until sampling and analysis can confirm or refute asbestos content.

Lead

Based on the results of laboratory analysis, four (4) of the five (5) sampled paint samples contain lead above the laboratory limit of detection. Two samples were above the regulatory definition of lead-based paint of 5,000 parts per million (ppm) and are considered Lead-Based Paint.

The lead lab results and chain of custody forms for the suspect lead paint samples can be found in Appendix B.

Visual Microbial Survey

Refer to Table II for a breakdown of observed water damage.

TABLE II
VISUAL MOLD SURVEY BREAKDOWN

Room	Description
1st Floor	Suspect fungal growth, water staining, and water damage on all ceiling components.
1st Floor Add-on	Suspect fungal growth, water staining, and water damage on all ceiling components (ceiling collapse).
2nd Floor	Suspect fungal growth, water staining, and water damage on all ceiling components. Water Damage (deterioration) observed along wall paneling of north, west, and south walls.
3rd Floor	Suspect fungal growth, water staining, and water damage on all ceiling components. Water damage (deterioration) observed along wall paneling of all walls, stairs leading to 4th Floor.
4th Floor	Suspect fungal growth, water staining, and water damage on all ceiling components. Water damage (deterioration) observed along wall paneling of all walls, stairs leading to 5th Floor, wood subfloor is deteriorating.
5th Floor	No water damage observed.
6th Floor	Suspect fungal growth, water staining, and water damage on all ceiling components. Water damage (deterioration) observed along wall paneling of all walls.
Exterior	Significant water damage to roof, wood deteriorating.

6.0 General Comments

This limited asbestos and lead inspection was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. The results, findings, conclusions, and recommendations expressed in this report are based on conditions observed during our inspection. This report has been prepared on behalf of and exclusively for use by County of San Bernardino for specific application to their project as discussed. This report is not a biddable document.

APPENDIX A

ASBESTOS AND LEAD SAMPLE SUMMARY

APPENDIX A

Glen Helen Tower
2555 Glen Helen Parkway
San Bernardino, San Bernardino County, California 92407

ASBESTOS SURVEY SAMPLE LOCATION SUMMARY

HA	Sample No.	Description	Sample Location	Result
1	WB1-01	Wallboard with Joint Compound	Tower Level 1 - Room 1	Drywall - ND Joint Compound - 2% CH
	WB1-02	Wallboard with Joint Compound	Tower Level 1 - Room 2	Drywall - ND Joint Compound - 2% CH
	WB1-03	Wallboard with Joint Compound	Tower Level 1 - Room 2	Drywall - ND Joint Compound - 2% CH
2	WB1-04	Wallboard with Joint Compound	Tower Level 1 - Add-on	Drywall - ND Joint Compound - 2% CH
	WB1-05	Wallboard with Joint Compound	Tower Level 1 - Add-on	Drywall - ND Joint Compound - 2% CH
	WB1-06	Wallboard with Joint Compound	Tower Level 1 - Add-on	Drywall - ND Joint Compound - 2% CH
3	WB1-07	Wallboard with Joint Compound	Tower Level 2 - Room 1	Drywall - ND Joint Compound - 2% CH
	WB1-08	Wallboard with Joint Compound	Tower Level 3 - Room 1	Drywall - ND Joint Compound - 2% CH
	WB1-09	Wallboard with Joint Compound	Tower Level 4 - Room 1	Drywall - ND Joint Compound - 2% CH
4	WB1-10	Wallboard with Joint Compound	Tower Level 6 Room	Drywall - ND Joint Compound - 2% CH
	WB1-11	Wallboard with Joint Compound	Tower Level 6 Room	ND
	WB1-12	Wallboard with Joint Compound	Tower Level 6 Room	Drywall - ND Joint Compound - 2% CH
5	RF5-13	Roofing Felt under Wood Shingles	Roof - Northwest	55% CH
	RF5-14	Roofing Felt under Wood Shingles	Roof - Northwest	55% CH
	RF5-15	Roofing Felt under Wood Shingles	Roof - Southwest	55% CH
6	MA5-16	Concrete Walls	Tower Level 1 - Room 2	ND
	MA5-17	Concrete Walls	Tower Level 2 - Room 1	ND
	MA5-18	Concrete Walls	Tower Level 4 - Room 1	ND
7	MA5-19	Concrete Slab	Tower Level 1 - Room 1	ND
	MA5-20	Concrete Slab	Tower Level 3 - Room 2	ND
	MA5-21	Concrete Slab	Tower Level 5 - Room 1	ND
8	MA5-22	Concrete Steps	North Stairs	ND
	MA5-23	Concrete Steps	North Stairs	ND
	MA5-24	Concrete Steps	South Stairs	ND
9	MS5-25	Moisture Barrier Paper	Exterior - North by Stairs	ND
	MS5-26	Moisture Barrier Paper	Exterior - North by Stairs	ND
	MS5-27	Moisture Barrier Paper	Exterior - North by Stairs	ND

Legend:
ND - None Detected
CH - Chrysotile

APPENDIX A

Glen Helen Tower
2555 Glen Helen Parkway
San Bernardino, San Bernardino County, California 92407

LEAD SURVEY SAMPLE SUMMARY

Sample No.	Description	Sample Location	Condition	Result (ppm)
PB-01	White Paint on Wallboard	Men's Restroom	Intact	80
PB-02	Red Paint on Metal	Men's Restroom	Intact	20,000
PB-03	Red Paint on Metal	Exterior Siding - North	Intact	11,000
PB-04	Gray Paint on Metal	Exterior Trim -North	Intact	880
PB-05	Brown Paint on Wood	Exterior Siding - South	Intact	<60

< - Below the Laboratory Limit of Detection

APPENDIX B

LABORATORY ANALYTICAL REPORTS

SGS FORENSIC LABORATORIES

Final Report

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

Terracon-Carson
Danish Mansoor
145 W. Walnut St.

Carson, CA 90248

Client ID: L1987
Report Number: B351522
Date Received: 09/05/23
Date Analyzed: 09/07/23
Date Printed: 09/08/23
First Reported: 09/08/23

Job ID/Site: LA237543; County of SB Glen Helen Tower Demo, 2555 Glen Helen Pkway, San Bernardino, CA 92407

Date(s) Collected: 09/01/2023

SGSFL Job ID: L1987
Total Samples Submitted: 27
Total Samples Analyzed: 27

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
WB4-1	51688531						
Layer: Grey Drywall			**ND**				
Layer: Beige Joint Compound		Chrysotile	**2 %**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (Trace)**					
Cellulose (20 %) Fibrous Glass (Trace)							
WB4-2	51688532						
Layer: Grey Drywall			**ND**				
Layer: Beige Joint Compound		Chrysotile	**2 %**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (Trace)**					
Cellulose (20 %) Fibrous Glass (Trace)							
WB4-3	51688533						
Layer: Grey Drywall			**ND**				
Layer: Beige Joint Compound		Chrysotile	**2 %**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (Trace)**					
Cellulose (20 %) Fibrous Glass (Trace)							
WB4-4	51688534						
Layer: Grey Drywall			**ND**				
Layer: Beige Joint Compound		Chrysotile	**2 %**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (Trace)**					
Cellulose (20 %) Fibrous Glass (Trace)							
WB4-5	51688535						
Layer: Grey Drywall			**ND**				
Layer: Beige Joint Compound		Chrysotile	**2 %**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (Trace)**					
Cellulose (20 %) Fibrous Glass (Trace)							

20535 South Belshaw Avenue, Carson, CA 90746 | phone: 310.763.2374 / 800.813.9417 Fax: 310.763.4450 | https://falaboratories.sgs.com

Report Number: B351522

Client Name: Terracon-Carson **Date Printed:** 09/08/23

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
WB4-6	51688536						
Layer: Grey Drywall			**ND**				
Layer: Beige Joint Compound		Chrysotile	**2 %**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (Trace)**					
Cellulose (20 %) Fibrous Glass (Trace)							
WB4-7	51688537						
Layer: Grey Drywall			**ND**				
Layer: Beige Joint Compound		Chrysotile	**2 %**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (Trace)**					
Cellulose (20 %) Fibrous Glass (Trace)							
WB4-8	51688538						
Layer: Grey Drywall			**ND**				
Layer: Beige Joint Compound		Chrysotile	**2 %**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (Trace)**					
Cellulose (20 %) Fibrous Glass (Trace)							
WB4-9	51688539						
Layer: Grey Drywall			**ND**				
Layer: Beige Joint Compound		Chrysotile	**2 %**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (Trace)**					
Cellulose (20 %) Fibrous Glass (Trace)							
WB4-10	51688540						
Layer: Grey Drywall			**ND**				
Layer: Beige Joint Compound		Chrysotile	**2 %**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (Trace)**					
Cellulose (20 %) Fibrous Glass (Trace)							
WB4-11	51688541						
Layer: Grey Drywall with Debris			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %)							
WB4-12	51688542						
Layer: Grey Drywall			**ND**				
Layer: Off-White Joint Compound		Chrysotile	**2 %**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (Trace)**					
Cellulose (20 %) Fibrous Glass (Trace)							

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Report Number: B351522

Client Name: Terracon-Carson **Date Printed:** 09/08/23

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
RF5-13	51688543						
Layer: Grey Fibrous Material		Chrysotile	**55 %**				
Total Composite Values of Fibrous Components:		**Asbestos (55%)**					
Cellulose (Trace) Fibrous Glass (Trace)							
RF5-14	51688544						
Layer: Grey Fibrous Material		Chrysotile	**55 %**				
Total Composite Values of Fibrous Components:		**Asbestos (55%)**					
Cellulose (Trace) Fibrous Glass (Trace)							
RF5-15	51688545						
Layer: Grey Fibrous Material		Chrysotile	**55 %**				
Total Composite Values of Fibrous Components:		**Asbestos (55%)**					
Cellulose (Trace) Fibrous Glass (Trace)							
MA5-16	51688546						
Layer: Grey Cementitious Material			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace)							
MA5-17	51688547						
Layer: Grey Cementitious Material			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace)							
MA5-18	51688548						
Layer: Grey Cementitious Material			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace)							
MA5-19	51688549						
Layer: Grey Cementitious Material			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace)							
MA5-20	51688550						
Layer: Grey Cementitious Material			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace)							
MA5-21	51688551						
Layer: Grey Cementitious Material			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace)							
MA5-22	51688552						
Layer: Grey Cementitious Material			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace)							

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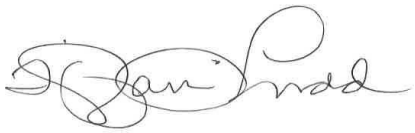
Report Number: B351522

Client Name: Terracon-Carson **Date Printed:** 09/08/23

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
MA5-23	51688553						
Layer: Grey Cementitious Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
MA5-24	51688554						
Layer: Grey Cementitious Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
MS5-25	51688555						
Layer: Paint			**ND**				
Layer: Grey/Tan Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (90 %)		**Asbestos (ND)**					
MS5-26	51688556						
Layer: Paint			**ND**				
Layer: Grey/Tan Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (90 %)		**Asbestos (ND)**					
MS5-27	51688557						
Layer: Paint			**ND**				
Layer: Grey/Tan Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (90 %)		**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'.

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Terracon

ASBESTOS CHAIN OF CUSTODY

PLM EPA 600/R-93/'I16

Southern California Metro
Los Angeles County - Orange County - San Diego County - Inland Empire

Inspector: Al ,,. J. Al .-5-,

Client/Project Name: t(c"' t'e, l>"'

Project Number: I--A ,3 S" '-\ 3

Address: 7 5 5 S Cle.,., Hdc."' p,k,Jc..7
SW>'\ Cl"...,..J,V\o (,,.A 9 ...•-rti7

Laboratory:

DATE: Sef.\-e,.,, v O\ -Z.u--Z3

EMAIL RESULTS TO: L Danish.Mansoor@terracon.com, Mark.Korte@terracon.com, etrris.91el(s@ erreoeF1.oe
David.Block@terracon.com, Denise.Wallen@terracon.com
_________ Other:.____ __

TURN-AROUND TIME: __ 3 Hours 6 Hour ____ 24 Hours 48 Hours 72 Hours 1 Week

H.A.	SAMPLE NUMBER	MATERIAL DESCRIPTION	SAMPLE LOCATION	SQUARE FEET	CONDITION (G / D / SD)
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I	o|	.L	Towe.I I.e,.ic.J \ - o:::,,,,-..1	I_	
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1	- \1.	-	I	L	
0	\? F> '>	Wood. 5hr,.c./eJ (lQ,,f PQuF ----i f&{	{Z.:i f ,-Jo<+\,,, we)t		-
\	I	I	I j		
I.	L \>	j_	j_ $';)"'-""" ""--> \--		--

NOTES:

Relinquished By: Alc.V' J Alo...)c Signatu,e - ________ Date/ Time, cA /o, fi:,_ li. :ot. ev

Received By: Ginnru (oruvtlv!J Signature: ________ ________ Date/ Time: uq lcr- £3 Wrnrt

o .....na I ,,,f ?_

Terracon

ASBESTOS CHAIN OF CUSTODY

PLM EPA 600/R-93/116

Inspector: Af'., 7. Ai ,o

Project Number: L-A ?.J "> 17

H.A.	SAMPLE NUMBER	MATERIAL DESCRIPTION	SAMPLE LOCATION	SQUARE FEET	CONDITION (G / D / SD)
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oi	-z.,'2	lo'"c-rJ,. > f>	r-Jo< Sto,,'ry	/',OU	
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0'1	""<;<;- L,,'>	r1oi\f"'-"-	t,J',t-C-r,'•r rJv -t1-- >t-c.,9	6-Z,.o.::>	I)
I	\ ?£	I	I	/	\
J._	/ 7.:7	1	1	.I	1

LAB ID NO: _____

SGS FORENSIC LABORATORIES

Final Report

Metals Analysis of Paints

(AIHA-LAP, LLC Accreditation, Lab ID #101762)

Terracon-Carson
Danish Mansoor
145 W. Walnut St.

Carson, CA 90248

Client ID: L1987
Report Number: M253736
Date Received: 09/05/23
Date Analyzed: 09/08/23
Date Printed: 09/08/23
First Reported: 09/08/23

Job ID / Site: LA237543; County of SB Glen Helen Tower Demo, 2555 Glen Helen Pkway
Date(s) Collected: 09/01/2023

SGSFL Job ID: L1987
Total Samples Submitted: 5
Total Samples Analyzed: 5

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit*	Method Reference
1	LM255481	Pb	0.008	wt%	0.006	EPA 3050B/7000B
Comment:	Additional Result: 80 ppm					
2	LM255482	Pb	2.0	wt%	0.2	EPA 3050B/7000B
Comment:	Additional Result: 20000 ppm					
3	LM255483	Pb	1.1	wt%	0.2	EPA 3050B/7000B
Comment:	Additional Result: 11000 ppm					
4	LM255484	Pb	0.088	wt%	0.007	EPA 3050B/7000B
Comment:	Additional Result: 880 ppm					
5	LM255485	Pb	< 0.006	wt%	0.006	EPA 3050B/7000B
Comment:	Additional Result: < 60 ppm					

* 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.

Kevin Poon

Kevin Poon, Laboratory Supervisor, Hayward Laboratory

3777 Depot road, Suite 409, Hayward, CA 94545 | Phone: 510.887.8828 / 800.827.3274 Fax: 510.887.4218 | https://falaboratories.sgs.com

Irerracon

1421 Edinger Avenue, Suite C
Edinger, California 92780

Lead
Chain of Custody

ProjectName:Gv..:,f7uf-S1::>,C,le"H&lt Tuw<-/ 1"1 _ Address: -Z. SS GI "': 4elu,)kvvc.7)G.v, &1nc.t)......, ,e,.A 97.'-107

Project#: lA -Z.'.7J> S 3 Sampled By: At..... J. Al ..-..)-l Sampling Date: 5ee-fe..... ()1 ' -i..-01--l

Laboratory: D EMSL/LA Testing D EM Lab D Other: ______________________ **Email Report to:**anish.Mansoor@Terracon.com & Mark.Korte@Te1Tacon.com
D Mike.Benefield@Terracon.com & Denise.Wallen@Terracon.com

Turnaround Time: D 3 Hour D 6 Hour D 24 Hour ☐ 48 Hour 72 Hour D 1 Week Other: ______________________

Analysis: (3" Paint Chips(% by weight and ppm) SW846-7000B/7420 ***FAA*** ☐ Air Sample NIOSH 7082 ***FAA*** ☐ Air Sample NIOSH 7303 ***ICP***

☐ Wipes SW846- I 31 1/7000B/7420 ***FAA*** ☐ Wipes SW846-60 I 08/C ***ICP*** ☐ TCLP ☐ TTLC ☐ STLC ☐ Paint Chips SW846-60 I 0B/C ***ICP***

Sample I.D.#	Color	Substrate	S?mple Location	Volume/Area	Condition (Intact/Fair/Poor)
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y	GrC---'"1	i	Ti)"""...., l.-e1l - fl.:,'°,,,,.. L. (S).oor J		
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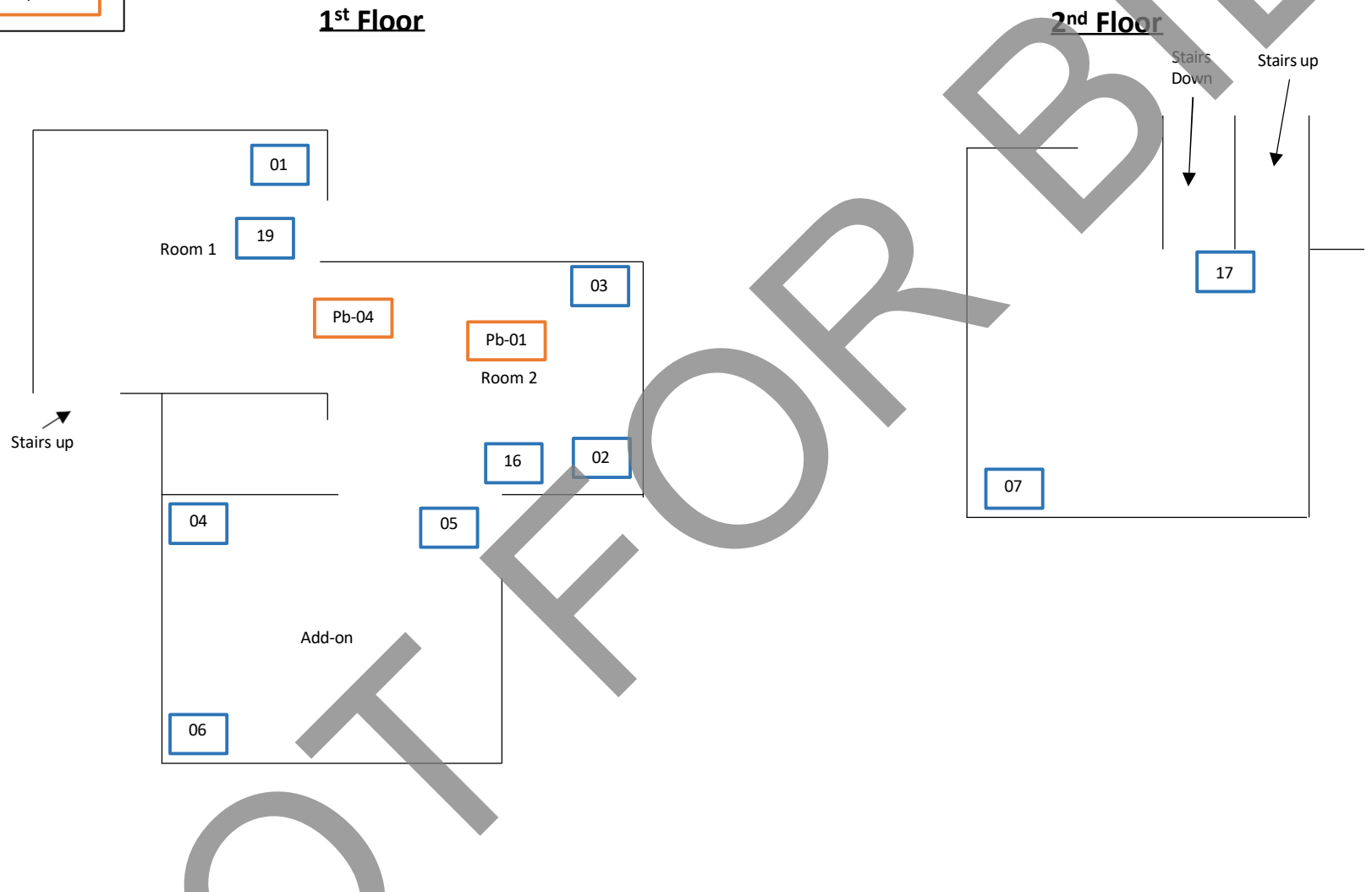
P:u>e ' of

APPENDIX C

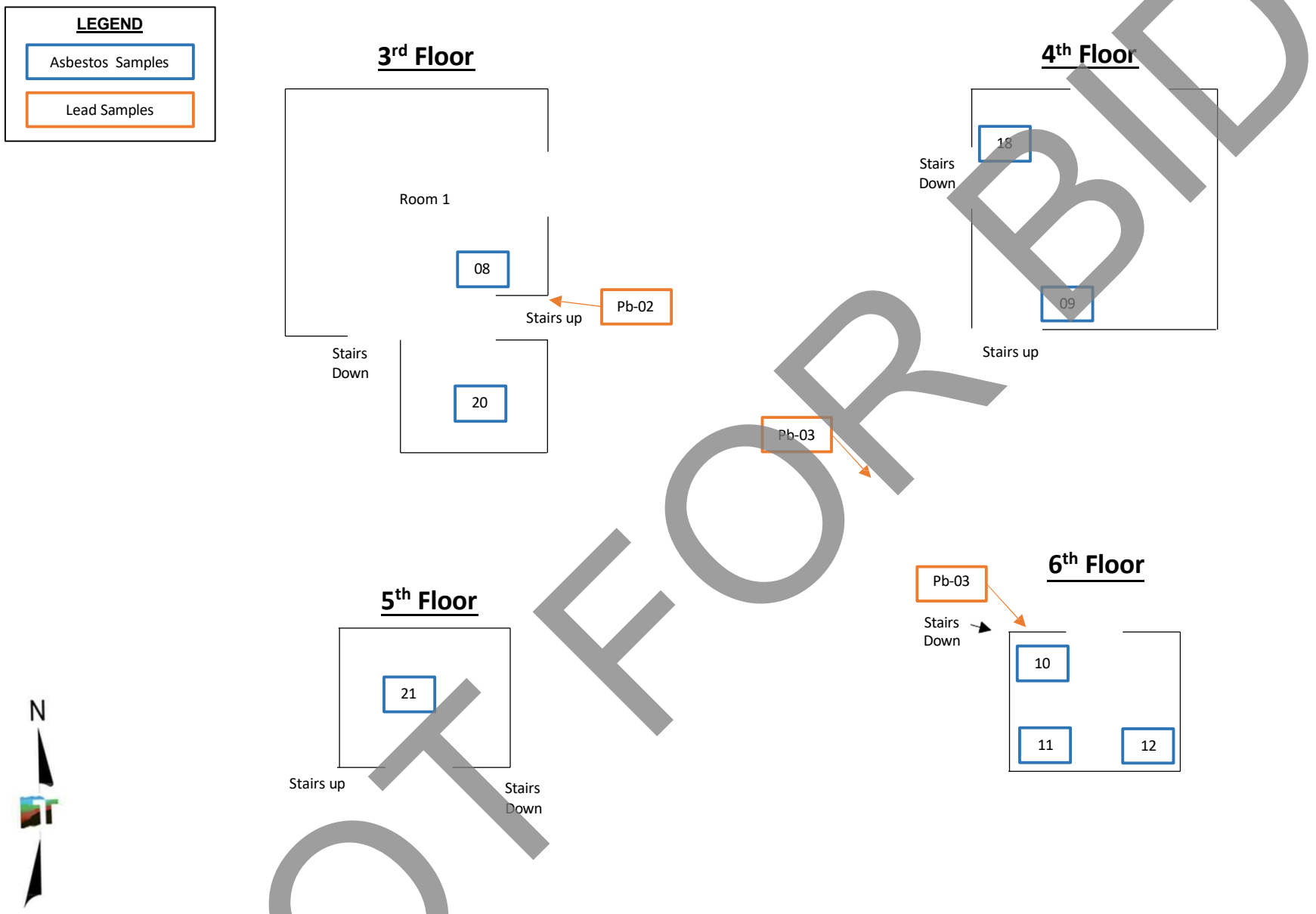
SAMPLE LOCATION DRAWINGS

LEGEND

- Asbestos Samples
- Lead Samples



Sample Location Drawing		Island Tower – 1st and 2nd Floors	Exhibit
Prepared for: County of San Bernardino **Project:** Pre-Demolition Asbestos and Lead Survey **Scale:** Not to Scale **Terracon Project Number:** LA237543	Terracon	Glen Helen Regional Park – Island Tower 2555 Glen Helen Parkway San Bernardino, California 92407	1



Sample Location Drawing		Island Tower – 3rd – 6th Floors	Exhibit
Prepared for: County of San Bernardino **Project:** Pre-Demolition Asbestos and Lead Survey **Scale:** Not to Scale **Terracon Project Number:** LA237543	Terracon	Glen Helen Regional Park – Island Tower 2555 Glen Helen Parkway San Bernardino, California 92407	2

LEGEND

Asbestos Samples

Lead Samples

N

Sample Location Drawing		**Island Tower – Exterior / Roof**	Exhibit
Prepared for: County of San Bernardino **Project:** Pre-Demolition Asbestos and Lead Survey **Scale:** Not to Scale **Terracon Project Number:** LA237543	Terracon	Glen Helen Regional Park – Island Tower 2555 Glen Helen Parkway San Bernardino, California 92407	3

APPENDIX D

LICENSES AND CERTIFICATIONS

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

Alan J. Aloaso
Name

Certification No. 22 7064

Expires on 0W 5!24

Thiscert1tlcah0n wn issued by cho Divisionof OccupationeJSafety andHealth et authorized by Sectioos1180 et,eq *ot* Illee.,.;,,... and Prolessions C-

Californ1J DcpHuncn1 or
PublicHealth

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTII

LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
 Alan Alonso	Lead Sampling Technician	LRC-00004034	12/6/2023

Disclaimer: This docwnent alone should not be relied upon to confinn certification starus. Compare the individual's photo and name to another valid fonn 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