RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT

ADDENDUM NO. 1

Bid #1457 Roofing Repairs Project
at
Centennial Education Center

Address:
2900 West Edinger Avenue, Santa Ana, CA 92706

Project ID#2915

May 24, 2024

Owner:
Rancho Santiago Community College District
2323 North Broadway, Room 112
Santa Ana, California 92706

RECEIPT OF THIS ADDENDUM MUST BE ACKNOWLEDGED ON BID FORM WHEN SUBMITTED

The following changes, additions, deletions or corrections shall become a part of the Contract Documents for the project named on the previous page and all other conditions shall remain the same. The Bidders shall be responsible for transmitting this information to all affected Subcontractors and Suppliers, prior to the closing of Bids. Prospective Bidders shall acknowledge receipt of all Addenda in the space provided on the Bid Proposal Form by the number (list every addenda). Failure to do so shall deem the Bid Proposal as non-responsive and subject the Bidder to disqualification.

Item No. AD 1-1 Extension of Bid Due Date (see revised date in red)
Submittal of Bid Proposals. All Bid Proposals must be submitted on forms furnished by the District prior to 2:00 P.M., ~~Wednesday, May 29, 2024~~, **Wednesday, June 5, 2024** the last time for submission of Bid Proposals and the District's public opening and reading of Bid Proposals. Submit Bids to RSCCD Facility Planning, Construction and District Support Services at 2323 North Broadway, Suite 112, Santa Ana, CA 92706. Bidders are solely responsible for timely submission of Bid Proposals to the District at the designated location. The District shall not be responsible for any delays or issues with mail delivery. Any bid received after the scheduled closing time for receipt of bids shall be returned to the bidder unopened. Bid Summary will be posted on the District's website (www.rsccd.edu then click on "Bid Opportunities")

Item No. AD 1-2 Additional Clarification
Indicated overflow scupper on Building E shall be extended 6" to ensure draining water does not contact the T1-11 exterior siding.

Item No. AD 1-3 Additional Clarification
All existing downspouts shall be cleaned and inspected for any blockages for Roof Sections A, B, C, D, E, & F.

Item No. AD 1-4 Additional Scope of Work
Indicated gutter on Building C shall be removed and replaced. Gutters to match existing size, and design and fabricated from Garland flat stock with factory Kynar coating or approved equal. Slope gutters ¼:12 to existing downspouts. Install expansion joints and seal seams of gutters as recommended by SMACNA. Color as approved by the owner.

Item No. AD 1-5 Specifications: Revise Item L in Existing Coated Modified Roof Sections – Roof Section A, B, C, D & F
Scuppers: Indicated scuppers on Building B and Building C shall be removed and replaced as necessary to ensure positive drainage. Replace damaged decking as approved 4 sq. ft. of existing roof membrane and wall membrane surrounding the indicated scupper areas shall be removed to the roof deck and replaced with StressPly IV Plus UV Mineral Torch sheet prior to application of the silicone membrane. The existing roof shall be cleaned and primed prior to torch application. Torch installation shall be performed per manufacturer approved detail. Torch membrane shall be solidly adhered to the existing roofing to the satisfaction of the membrane manufacturer. The goal

is to ensure the scupper and adjacent vertical and horizontal materials are in good condition, have positive slope to the drains and the existing roofing and wall membrane are in acceptable condition to accept the fluid-applied roofing materials.

Item No. AD 1-6 Specifications: Remove Item H in Existing Standing Seam Metal Roof Section – Roof Sections G, D106 – D112, & C110
Gutters: Only as indicated and approved, remove and replace existing gutters throughout the site. Gutters to match existing size, and design and fabricated from Garland flat stock with factory Kynar coating or approved equal. Slope gutters ¼:12 to existing downspouts. Install expansion joints and seal seams of gutters as recommended by SMACNA. Color as approved by the owner.

Item No. AD 1-7 Additional Clarification: Existing Standing Seam Metal Roof Section – Roof Sections G, D106 – D112, & C110
All existing gutters and downspouts shall be cleaned and inspected for any blockages.

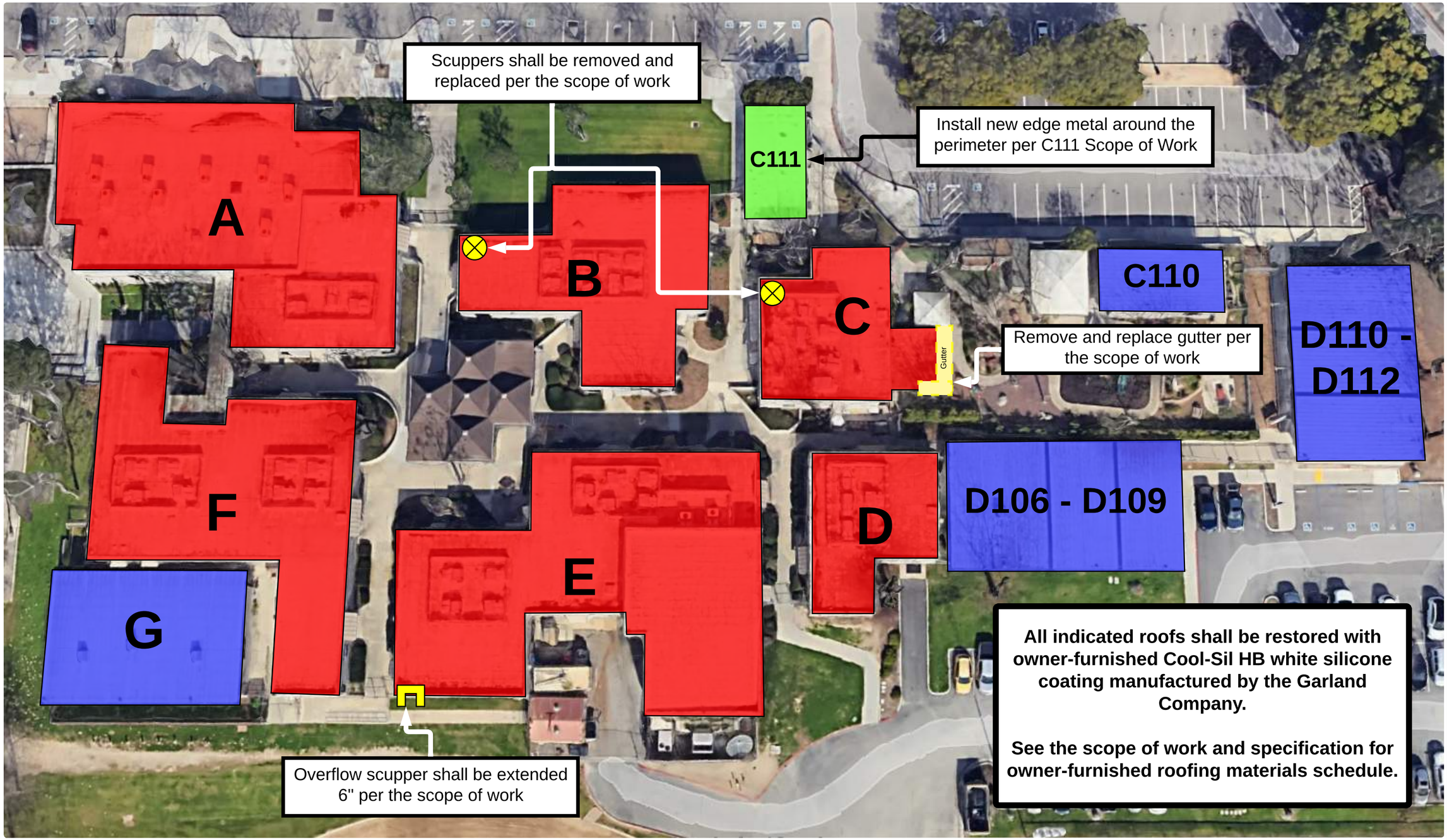
Item No. AD 1-8 Updated Map
CEC Site Map

Item No. AD 1-9 Hazardous Material Survey
Enclosed for your information a Limited Asbestos and Lead Survey and Hazardous Materials Abatement Specification for the roofing repair project at the Centennial Education Center

Enc: Hazardous Materials Survey and Specifications
Centennial Education Center Map

This is the end of Addendum No. 1

CEC Site Map



The Garland Company
3800 E. 91st Street
Cleveland, OH 44105

No.	Date	Revision Desc.
0	05/15/24	0

Rancho Santiago Community College District
Centennial Education Center
2900 W Edinger Ave
Santa Ana, CA 92704

CEC Site Map

A-1

LIMITED ASBESTOS AND LEAD SURVEY

May 10, 2024

Prepared For:

Rancho Santiago Community College District
Ms. Ava Hill
2323 North Broadway
Santa Ana, CA 92706

NV5 – Alta Environmental
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807
Phone: 562.495.5777

RSCC-24-12223

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APPENDICES

1.0 INTRODUCTION

On May 4, 2024, NV5 conducted an investigation for the presence of asbestos-containing materials (ACM) and lead based paint from the roofs at Centennial Education Center Buildings A, B, C, D, E, F, G, Portables C110, C111, D106 thru D112, and the shed at C111 located at 2900 West Edinger Avenue Street, Santa Ana, CA 92704.

2.0 PROJECT BACKGROUND

Rancho Santiago Community College District located in Santa Ana, California 92706, retained NV5 for this investigation. Eric Fleming, a Cal/OSHA Certified Asbestos Consultant and California Department of Public Health (CDPH) Certified Lead Inspector/Assessor employed by NV5 conducted the sampling.

3.0 PROJECT BACKGROUND

The survey included the following:

- Initial investigation to locate suspect ACM and lead based paint
- Physical assessment of suspect materials
- Collection of bulk samples and paint chip samples from suspect materials and painted surfaces
- Laboratory analysis of all collected samples.

4.0 METHODOLOGY

4.1 ASBESTOS

The sampling was conducted using guidelines set forth in *Federal Register 40 CFR Part 763*. NV5 conducted an initial walkthrough of the site to develop a listing and sampling scheme of suspect materials. Samples were placed in sealable sample containers and assigned a unique sample identification number.

Bulk samples collected from the subject site were subsequently analyzed by polarized light microscopy (PLM) for asbestos content in accordance with the United States Environmental Protection Agency's (USEPA) *Determination of Asbestos in Bulk Building Materials: EPA/600/R-93/116, July 1993*, at AQ Environmental Laboratories, a laboratory accredited by the National Voluntary Laboratory Accreditation Program and located in Signal Hill, California.

Based on the requirements of the USEPA as set forth in *40 CFR 763*, a homogeneous area is defined as "an area of surfacing material, thermal system insulation material or miscellaneous material that is uniform in color and texture." Furthermore, the regulation requires that a minimum number of

samples be collected from each identified homogeneous area. If one sample in a homogeneous area is found to contain asbestos, the entire homogeneous area is asbestos containing.

It is possible that one sample out of a set of samples collected from a homogeneous area can be positive for asbestos and the remaining samples in the homogeneous area are negative. However, the entire area must be considered asbestos-containing.

Caution is advised in interpreting results provided herein.

The survey was conducted to identify hazardous materials (asbestos and lead) prior to demolition of the structures. As such, all areas were investigated (including interstitial wall and ceiling spaces). There were no inaccessible areas. However, an investigation below soil grade was outside the scope of this project, and additional material such as asbestos-cement pipes, electrical wiring insulation, or other materials may subsequently be discovered.

4.2 LEAD

Paint chips were collected to determine the weight percent concentration of lead in the painted surfaces. Paint chip samples were collected for construction safety as defined by *Title 8 CCR Section 1532.1*. Paint chip sample analysis was conducted by EPA Method SW846/7420 at AQ Environmental Laboratories, a laboratory accredited by the Environmental Laboratory Accreditation Program and located in Signal Hill, California.

5.0 RESULTS

5.1 ASBESTOS

The following materials were found to be asbestos-containing.

Material	Sample No.	Material Location	Asbestos Content
		Building A	
White and black roof mastic	8550 – 8552	At all penetrations, pads, perimeter of the parapet wall, and on conduit and pipe	5% chrysotile
		Building B	
White/black roof mastic	8527 – 8529	At all penetrations, pads, perimeter of the parapet wall, and on conduit and pipe	3% chrysotile
Rolled on roof core Layers 6 and 7	8535, 8536, 8543, 8549	Throughout the roof field	20% - 25% chrysotile

Material	Sample No.	Material Location	Asbestos Content
		Building C	
White/black roof mastic	8056, 8057	At all penetrations, pads, perimeter of the parapet wall, and on conduit and pipe	2% -3% chrysotile
Rolled on roof core Layers 2,3,5,6,7	8059, 8060, 8063, 8064, 8066, 8069, 8074	Throughout the roof field and patio	<1% chrysotile – 50% chrysotile
		Building D	
White/black roof mastic	8076	At all penetrations, pads, perimeter of the parapet wall, and on conduit and pipe	3% chrysotile
Rolled on roof core Layers 1,2,5,7	8078, 8079, 8089, 8094	Throughout the roof field	<1% - 30% chrysotile
		Building E	
White and black roof mastic	8103	At all penetrations, pads, perimeter of the parapet wall, on flashing, and on conduit and pipe	3% chrysotile
Rolled on roof core Layers 4 and 6	8123, 8125	Throughout roof field on both levels	25% chrysotile
		Building F	
White and black roof mastic	8129, 8130	At all penetrations, pads, perimeter of the parapet wall, and on conduit and pipe	3% - 4% chrysotile
Rolled on roof core Layers 4,5,6,7	8138, 8139, 8145, 8146, 8153	Throughout roof field	30% chrysotile
		Sheds	
Rolled on roof core Layer 2	8614, 8616	Throughout roof field	3% - 5% chrysotile

The results for all other materials sampled were reported as “none detected,” based on the limitations of the analytical method. Please refer to the Material Inventory (Appendix A) for a complete listing of materials sampled, locations, and material conditions.

If any materials are found to contain more than one percent asbestos by weight as determined by the PLM method of analysis, the EPA mandates that the material(s) be treated as ACM, subject to regulation under *40 CFR 61*.

For the ACM identified in this report, dry sawing, sanding, or drilling should be avoided. Additional suspect materials may be exposed during demolition and/or renovation activities; such materials should be sampled and analyzed prior to further disturbance.

5.2 LEAD

Lead-based paint, according to the State of California and the USEPA is define as paint or other surface coating with lead content equal to or greater than 5,000 parts per million (ppm) by paint chip analysis. For occupational exposure, Cal/OSHA requires following a more stringent threshold wherein any detectable concentration of lead should be considered in worker protection.

The following are results of painted surfaces with any detectable levels of lead in paint below 5,000 ppm that were determined by paint chip sampling. When disturbed for construction purposes these surfaces are subjected to Cal/OSHA exposure assessment requirements set forth in *Title 8 CCR, Section 1532.1(d)*. This regulation requires initial employee exposure monitoring to evaluate work exposure during work that disturbs paint with any detectable level of lead. If airborne lead levels are above the established Cal/OSHA action limit or permissible exposure limit, additional monitoring and respiratory protection are required.

Component	Sample No.	Substrate	Paint Color	Material Location	Results (ppm)
Building B					
Flashing	5166	Metal	Beige/white	Perimeter of building and visual barriers	150
Building D					
Visual barrier	4686	Wood	Beige/white	Inner and outer walls of visual barrier	97
Building E					
Flashing	4686	Metal	Biege/white	Perimeter of building and visual barriers	190

6.0 CONCLUSION AND RECOMMENDATIONS

6.1 ASBESTOS

The SCAQMD requires that all asbestos materials be removed prior to any renovation or demolition activities that may impact the material.

ACM removal shall be completed by a licensed asbestos abatement contractor utilizing isolation control methods and disposed of properly. Workers handling ACM shall be asbestos trained and shall wear the appropriate personal protective equipment.

An investigation below soil grade is outside the scope of this project, and additional material such as asbestos-cement pipes, electrical wiring insulation, or other materials may subsequently be discovered during site work.

Materials not clearly identified in this report should be properly sampled and characterized prior to disturbance.

6.2 LEAD

All construction work where an employee may be occupationally exposed to lead must comply with Cal/OSHA requirements set forth in *8 CCR 1532.1*. This regulation requires initial employee exposure monitoring to evaluate worker exposure during work that disturbs lead-containing materials (lead present in detectable levels). NV5 suggests that engineering controls, respiratory protection and personal protective equipment be employed at the start of any project that could disturb LBP.

Waste generated during removal or demolition of LBP components must be properly segregated into separate waste streams. Each waste stream should be randomly sampled and each sample analyzed for lead by the California Waste Extraction Test for comparison to the Total Threshold Limit Concentration (TTLC), and Soluble Threshold Limit Concentration (STLC) and by Toxicity Characteristic Leaching Procedure (TCLP) as required, to determine the final disposition of the waste.

Workers who disturb surfaces with lead-containing paint are subject to regulation under *Title 8 CCR, Section 1532.1 (d)*. These requirements include awareness training, monitoring to determine worker exposure. This regulation requires initial and on-going (if necessary) employee exposure monitoring to evaluate lead work exposure that disturbs paint with any detectable level of lead. NV5 suggests that engineering controls, respiratory protection and personal protective equipment be employed at the start of any project that disturbs painted surfaces.

7.0 ASSUMPTIONS AND LIMITATIONS

This report was prepared exclusively for use by Rancho Santiago Community College District and may not be relied upon by any other person or entity without NV5's express written permission. The information, conclusions and recommendations described in this report apply to conditions existing at certain locations when services were performed and are intended only for the specific purposes, locations, time frames and project parameters indicated. NV5 cannot be responsible for the impact of any changes in environmental standards, practices, or regulations after performance of services.

In performing our professional services, we have applied present engineering and scientific judgment and used a level of effort consistent with the current standard of practice for similar types of studies.

As applicable, NV5 has relied in good faith upon representations and information furnished by individuals with respect to operations and existing property conditions, to the extent that they have not been contradicted by data obtained from other sources. Accordingly, NV5 accepts no

responsibility for any deficiencies, omissions, misrepresentations, or fraudulent acts of persons interviewed.

NV5 will not accept any liability for loss, injury claim, or damage arising directly or indirectly from any use or reliance on this report. NV5 makes no warranty, expressed or implied.

This report is issued with the understanding that the client, the property owner, or its representative is responsible for ensuring that the information, conclusions, and recommendations contained herein are brought to the attention of the appropriate regulatory agencies, as required.

Material quantities are in some cases listed within this document. These quantities are not intended to be used for removal bidding purposes. Nor is this document intended as a contract manual. Work methods and sequence, coordination of participants, applicable codes, engineering controls, required submittals and notifications should in all cases be addressed in a separate and independent bidding and contract document.

If you have any questions, please do not hesitate to contact the undersigned at (562) 495-5777. We appreciate the opportunity to be of service to Rancho Santiago Community College District.

8.0 SIGNATORY

Respectfully submitted by:

NV5

Eric J. Fleming, Project Manager
Certified Asbestos Consultant
Cal/OSHA Cert. #00-2186
Lead Inspector/Assessor CDPH Cert. #LRC-00003454

Reviewed by:

NV5

Christine Jordan
Project Manager, Building Sciences
Cal/OSHA Cert. #92-0215
Lead Inspector/Assessor CDPH Cert. #LRC-00002523

APPENDIX A

Material Inventory

Asbestos

MATERIAL INVENTORY
ASBESTOS SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Building A

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
White and black roof mastic	**8550**	**5% chrysotile**	**Southwest corner of southwest vent**	**At all penetrations, pads, perimeter of the parapet wall, and on conduit and pipe**	**200 SF**	**No**	**No**
White and black roof mastic	**8551**	**5% chrysotile**	**Northeast HVAC at southwest corner**	**At all penetrations, pads, perimeter of the parapet wall, and on conduit and pipe**	**200 SF**	**No**	**No**
White and black roof mastic	**8552**	**5% chrysotile**	**Center south wall of barrier area**	**At all penetrations, pads, perimeter of the parapet wall, and on conduit and pipe**	**200 SF**	**No**	**No**
Black roof mastic	8553	None detected	10' northwest of visual barrier	Patching throughout the roof field	20 SF	No	No
Black roof mastic	8554	None detected	Center south wall of barrier area	Patching throughout the roof field	20 SF	No	No
Black roof mastic	8555	None detected	Center west side of barrier area	Patching throughout the roof field	20 SF	No	No
Rolled on roof core - Layer 1	8556	None detected	Center west wall	Throughout the roof field	8,500 SF	No	No
Rolled on roof core - Layer 2	8557	None detected	Center west wall	Throughout the roof field	8,500 SF	No	No
Rolled on roof core - Layer 3	8558	None detected	Center west wall	Throughout the roof field	8,500 SF	No	No
Rolled on roof core - Layer 4	8559	None detected	Center west wall	Throughout the roof field	8,500 SF	No	No
Rolled on roof core - Layer 1	8560	None detected	Center	Throughout the roof field	8,500 SF	No	No
Rolled on roof core - Layer 2	8561	None detected	Center	Throughout the roof field	8,500 SF	No	No

MATERIAL INVENTORY
ASBESTOS SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Building A

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Rolled on roof core - Layer 3	8562	None detected	Center	Throughout the roof field	8,500 SF	No	No
Rolled on roof core - Layer 4	8563	None detected	Center	Throughout the roof field	8,500 SF	No	No
Rolled on roof core - Layer 1	8564	None detected	15' opposite the northeast corner	Throughout the roof field	8,500 SF	No	No
Rolled on roof core - Layer 2	8565	None detected	15' opposite the northeast corner	Throughout the roof field	8,500 SF	No	No
Rolled on roof core - Layer 3	8566	None detected	15' opposite the northeast corner	Throughout the roof field	8,500 SF	No	No
Rolled on roof core - Layer 4	8567	None detected	15' opposite the northeast corner	Throughout the roof field	8,500 SF	No	No
Rolled on roof core - Layer 5	8568	None detected	15' opposite the northeast corner	Throughout the roof field	8,500 SF	No	No
Rolled on roof core - Layer 6	8569	None detected	15' opposite the northeast corner	Throughout the roof field	8,500 SF	No	No
Rolled on roof core - Layer 7	8570	None detected	15' opposite the northeast corner	Throughout the roof field	8,500 SF	No	No

MATERIAL INVENTORY
ASBESTOS SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Building B

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
White/black roof mastic	**8527**	**3% chrysotile**	**4' south of the northeast corner on parapet**	**At all penetrations, pads, perimeter of the parapet wall, and on conduit and pipe**	**100 SF**	**No**	**No**
White/black roof mastic	**8528**	**None detected**	**Center north corner of access hatch**	**At all penetrations, pads, perimeter of the parapet wall, and on conduit and pipe**	**100 SF**	**No**	**No**
White/black roof mastic	**8529**	**3% chrysotile**	**Barrier area center west wall**	**At all penetrations, pads, perimeter of the parapet wall, and on conduit and pipe**	**100 SF**	**No**	**No**
Rolled on roof core - Layer 1	8530	None detected	10' west of the center east wall	Throughout the roof field	5,500 SF	No	No
Rolled on roof core - Layer 2	8531	None detected	10' west of the center east wall	Throughout the roof field	5,500 SF	No	No
Rolled on roof core - Layer 3	8532	None detected	10' west of the center east wall	Throughout the roof field	5,500 SF	No	No
Rolled on roof core - Layer 4	8533	None detected	10' west of the center east wall	Throughout the roof field	5,500 SF	No	No
Rolled on roof core - Layer 5	8534	None detected	10' west of the center east wall	Throughout the roof field	5,500 SF	No	No
Rolled on roof core - Layer 6	**8535**	**25% chrysotile**	**10' west of the center east wall**	**Throughout the roof field**	**5,500 SF**	**No**	**No**
Rolled on roof core - Layer 7	**8536**	**25% chrysotile**	**10' west of the center east wall**	**Throughout the roof field**	**5,500 SF**	**No**	**No**
Rolled on roof core - Layer 1	8537	None detected	10' opposite the southwest corner	Throughout the roof field	5,500 SF	No	No
Rolled on roof core - Layer 2	8538	None detected	10' opposite the southwest corner	Throughout the roof field	5,500 SF	No	No

MATERIAL INVENTORY
ASBESTOS SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Building B

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Rolled on roof core - Layer 3	8539	None detected	10' opposite the southwest corner	Throughout the roof field	5,500 SF	No	No
Rolled on roof core - Layer 4	8540	None detected	10' opposite the southwest corner	Throughout the roof field	5,500 SF	No	No
Rolled on roof core - Layer 5	8541	None detected	10' opposite the southwest corner	Throughout the roof field	5,500 SF	No	No
Rolled on roof core - Layer 6	8542	None detected	10' opposite the southwest corner	Throughout the roof field	5,500 SF	No	No
Rolled on roof core - Layer 7	**8543**	**25% chrysotile**	**10' opposite the southwest corner**	**Throughout the roof field**	**5,500 SF**	**No**	**No**
Rolled on roof core - Layer 1	8544	None detected	Center	Throughout the roof field	5,500 SF	No	No
Rolled on roof core - Layer 2	8545	None detected	Center	Throughout the roof field	5,500 SF	No	No
Rolled on roof core - Layer 3	8546	None detected	Center	Throughout the roof field	5,500 SF	No	No
Rolled on roof core - Layer 4	8547	None detected	Center	Throughout the roof field	5,500 SF	No	No
Rolled on roof core - Layer 5	8548	None detected	Center	Throughout the roof field	5,500 SF	No	No
Rolled on roof core - Layer 6	**8549**	**20% chrysotile**	**Center**	**Throughout the roof field**	**5,500 SF**	**No**	**No**

MATERIAL INVENTORY
ASBESTOS SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Building C

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
White/black roof mastic	**8055**	**None detected**	**Southeast corner of center south HVAC**	**At all penetrations, pads, perimeter of the parapet wall, and on conduit and pipe**	**50 SF**	**No**	**No**
White/black roof mastic	**8056**	**2% chrysotile**	**Northwest corner of center north HVAC**	**At all penetrations, pads, perimeter of the parapet wall, and on conduit and pipe**	**50 SF**	**No**	**No**
White/black roof mastic	**8057**	**3% chrysotile**	**Southwest corner of access hatch**	**At all penetrations, pads, perimeter of the parapet wall, and on conduit and pipe**	**50 SF**	**No**	**No**
Rolled on roof core - Layer 1	8058	None detected	Southeast corner	Throughout the roof field and patio	3,500 SF	No	No
Rolled on roof core - Layer 2	**8059**	**2% chrysotile**	**Southeast corner**	**Throughout the roof field and patio**	**3,500 SF**	**No**	**No**
Rolled on roof core - Layer 3	**8060**	**2% chrysotile**	**Southeast corner**	**Throughout the roof field and patio**	**3,500 SF**	**No**	**No**
Rolled on roof core - Layer 4	8061	None detected	Southeast corner	Throughout the roof field and patio	3,500 SF	No	No
Rolled on roof core - Layer 5	8062	None detected	Southeast corner	Throughout the roof field and patio	3,500 SF	No	No
Rolled on roof core - Layer 6	**8063**	**50% chrysotile**	**Southeast corner**	**Throughout the roof field and patio**	**3,500 SF**	**No**	**No**
Rolled on roof core - Layer 7	**8064**	**50% chrysotile**	**Southeast corner**	**Throughout the roof field and patio**	**3,500 SF**	**No**	**No**
Rolled on roof core - Layer 1	8065	None detected	10' south of center north wall	Throughout the roof field and patio	3,500 SF	No	No
Rolled on roof core - Layer 2	**8066**	**<1% chrysotile**	**10' south of center north wall**	**Throughout the roof field and patio**	**3,500 SF**	**No**	**No**

MATERIAL INVENTORY
ASBESTOS SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Building C

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Rolled on roof core - Layer 3	8067	None detected	10' south of center north wall	Throughout the roof field and patio	3,500 SF	No	No
Rolled on roof core - Layer 4	8068	None detected	10' south of center north wall	Throughout the roof field and patio	3,500 SF	No	No
Rolled on roof core - Layer 5	**8069**	**50% chrysotile**	**10' south of center north wall**	**Throughout the roof field and patio**	**3,500 SF**	**No**	**No**
Rolled on roof core - Layer 1	8070	None detected	10' south of center west wall	Throughout the roof field and patio	3,500 SF	No	No
Rolled on roof core - Layer 2	8071	None detected	10' south of center west wall	Throughout the roof field and patio	3,500 SF	No	No
Rolled on roof core - Layer 3	8072	None detected	10' south of center west wall	Throughout the roof field and patio	3,500 SF	No	No
Rolled on roof core - Layer 4	8073	None detected	10' south of center west wall	Throughout the roof field and patio	3,500 SF	No	No
Rolled on roof core - Layer 5	**8074**	**30% chrysotile**	**10' south of center west wall**	**Throughout the roof field and patio**	**3,500 SF**	**No**	**No**

MATERIAL INVENTORY
ASBESTOS SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Building C110

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Roof core	8619	None detected	Center	Throughout roof field	1,500 SF	No	No
Roof core	8620	None detected	North center	Throughout roof field	1,500 SF	No	No
Roof core	8621	None detected	Southeast corner	Throughout roof field	1,500 SF	No	No
Black and white mastic	8622	None detected	Northwest corner	At penetrations and pads	25 SF	No	No
Black and white mastic	8623	None detected	Southwest corner	At penetrations and pads	25 SF	No	No
Black and white mastic	8624	None detected	Center south	At penetrations and pads	25 SF	No	No

MATERIAL INVENTORY
ASBESTOS SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center C111

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
White and black mastic	8601	None detected	North center	At all penetrations, pads, and on conduit and pipe	25 SF	No	No
White and black mastic	8602	None detected	West center	At all penetrations, pads, and on conduit and pipe	25 SF	No	No
White and black mastic	8603	None detected	Center	At all penetrations, pads, and on conduit and pipe	25 SF	No	No
Rolled on roof core - Layer 1	8604	None detected	Southeast corner	Throughout the roof field	1,500 SF	No	No
Rolled on roof core - Layer 2	8605	None detected	Southeast corner	Throughout the roof field	1,500 SF	No	No
Rolled on roof core - Layer 3	8606	None detected	Southeast corner	Throughout the roof field	1,500 SF	No	No
Rolled on roof core - Layer 1	8607	None detected	Center	Throughout the roof field	1,500 SF	No	No
Rolled on roof core - Layer 2	8608	None detected	Center	Throughout the roof field	1,500 SF	No	No
Rolled on roof core - Layer 3	8609	None detected	Center	Throughout the roof field	1,500 SF	No	No
Rolled on roof core - Layer 1	8610	None detected	North center	Throughout the roof field	1,500 SF	No	No
Rolled on roof core - Layer 2	8611	None detected	North center	Throughout the roof field	1,500 SF	No	No
Rolled on roof core - Layer 3	8612	None detected	North center	Throughout the roof field	1,500 SF	No	No

MATERIAL INVENTORY
ASBESTOS SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Building D

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
White/black roof mastic	8075	None detected	Northwest corner of visual barrier area	At all penetrations, pads, perimeter of the parapet wall, and on conduit and pipe	50 SF	No	No
White/black roof mastic	**8076**	**3% chrysotile**	**Center south penetration**	**At all penetrations, pads, perimeter of the parapet wall, and on conduit and pipe**	**50 SF**	**No**	**No**
White/black roof mastic	8077	None detected	Northwest corner of access hatch	At all penetrations, pads, perimeter of the parapet wall, and on conduit and pipe	50 SF	No	No
Rolled on roof core - Layer 1	**8078**	**<1% chrysotile**	**Center of roof**	**Throughout the roof field**	**2,500 SF**	**No**	**No**
Rolled on roof core - Layer 2	**8079**	**<1% chrysotile**	**Center of roof**	**Throughout the roof field**	**2,500 SF**	**No**	**No**
Rolled on roof core - Layer 3	8080	None detected	Center of roof	Throughout the roof field	2,500 SF	No	No
Rolled on roof core - Layer 4	8081	None detected	Center of roof	Throughout the roof field	2,500 SF	No	No
Rolled on roof core - Layer 5	8082	None detected	Center of roof	Throughout the roof field	2,500 SF	No	No
Rolled on roof core - Layer 1	8083	None detected	Center of the west wall	Throughout the roof field	2,500 SF	No	No
Rolled on roof core - Layer 2	8084	None detected	Center of the west wall	Throughout the roof field	2,500 SF	No	No
Rolled on roof core - Layer 3	8085	None detected	Center of the west wall	Throughout the roof field	2,500 SF	No	No
Rolled on roof core - Layer 4	8086	None detected	Center of the west wall	Throughout the roof field	2,500 SF	No	No

MATERIAL INVENTORY
ASBESTOS SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Building D

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Rolled on roof core - Layer 5	8087	None detected	Center of the west wall	Throughout the roof field	2,500 SF	No	No
Rolled on roof core - Layer 6	8088	None detected	Center of the west wall	Throughout the roof field	2,500 SF	No	No
Rolled on roof core - Layer 7	**8089**	**30% chrysotile**	**Center of the west wall**	**Throughout the roof field**	**2,500 SF**	**No**	**No**
Rolled on roof core - Layer 1	8090	None detected	5' southwest of the access hatch	Throughout the roof field	2,500 SF	No	No
Rolled on roof core - Layer 2	8091	None detected	5' southwest of the access hatch	Throughout the roof field	2,500 SF	No	No
Rolled on roof core - Layer 3	8092	None detected	5' southwest of the access hatch	Throughout the roof field	2,500 SF	No	No
Rolled on roof core - Layer 4	8093	None detected	5' southwest of the access hatch	Throughout the roof field	2,500 SF	No	No
Rolled on roof core - Layer 5	**8094**	**30% chrysotile**	**5' southwest of the access hatch**	**Throughout the roof field**	**2,500 SF**	**No**	**No**

MATERIAL INVENTORY
ASBESTOS SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center D106 &107

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Roof core	8571	None detected	Northeast corner of D107	Throughout roof field	1,800 SF	No	No
Roof core	8572	None detected	Southwest corner of D106	Throughout roof field	1,800 SF	No	No
Roof core	8573	None detected	Northwest corner of D106	Throughout roof field	1,800 SF	No	No
White and black mastic	8574	None detected	Center of D106	At penetrations and pads	25 SF	No	No
White and black mastic	8575	None detected	Southwest corner of D106	At penetrations and pads	25 SF	No	No
White and black mastic	8576	None detected	Northwest corner of D107	At penetrations and pads	25 SF	No	No

MATERIAL INVENTORY
ASBESTOS SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center D108

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Roof core	8577	None detected	Center south	Throughout roof field	1,200 SF	No	No
Roof core	8578	None detected	Center west	Throughout roof field	1,200 SF	No	No
Roof core	8579	None detected	Southeast corner	Throughout roof field	1,200 SF	No	No
White and black mastic	8580	None detected	Center west	At penetrations and pads	15 SF	No	No
White and black mastic	8581	None detected	Southwest corner	At penetrations and pads	15 SF	No	No
White and black mastic	8582	None detected	Center	At penetrations and pads	15 SF	No	No

MATERIAL INVENTORY
ASBESTOS SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center D109

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Roof core	8583	None detected	Center north	Throughout roof field	1,200 SF	No	No
Roof core	8584	None detected	Southwest corner	Throughout roof field	1,200 SF	No	No
Roof core	8585	None detected	Center	Throughout roof field	1,200 SF	No	No
White and black mastic	8586	None detected	West center	At penetrations and pads	15 SF	No	No
White and black mastic	8587	None detected	East center	At penetrations and pads	15 SF	No	No
White and black mastic	8588	None detected	Northeast corner	At penetrations and pads	15 SF	No	No

MATERIAL INVENTORY
ASBESTOS SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Building D110

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Roof core	8095	None detected	Center north	Throughout roof field	1,200 SF	No	No
Roof core	8096	None detected	Center east	Throughout roof field	1,200 SF	No	No
Roof core	8097	None detected	Southwest corner	Throughout roof field	1,200 SF	No	No
White and black mastic	8098	None detected	Center north	At penetrations and pads	15 SF	No	No
White and black mastic	8099	None detected	Center west	At penetrations and pads	15 SF	No	No
White and black mastic	8100	None detected	Southeast corner	At penetrations and pads	15 SF	No	No

MATERIAL INVENTORY
ASBESTOS SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center D111

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Roof core	8595	None detected	Center south	Throughout roof field	1,200 SF	No	No
Roof core	8596	None detected	Northwest corner	Throughout roof field	1,200 SF	No	No
Roof core	8597	None detected	Northeast corner	Throughout roof field	1,200 SF	No	No
White and black mastic	8598	None detected	Center south	At penetrations and pads	15 SF	No	No
White and black mastic	8599	None detected	Center	At penetrations and pads	15 SF	No	No
White and black mastic	8600	None detected	Southeast corner	At penetrations and pads	15 SF	No	No

MATERIAL INVENTORY
ASBESTOS SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center D112

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Roof core	8589	None detected	Center north	Throughout roof field	1,200 SF	No	No
Roof core	8590	None detected	Center south	Throughout roof field	1,200 SF	No	No
Roof core	8591	None detected	Center	Throughout roof field	1,200 SF	No	No
White and black mastic	8592	None detected	Northeast corner	At penetrations and pads	15 SF	No	No
White and black mastic	8593	None detected	Center east	At penetrations and pads	15 SF	No	No
White and black mastic	8594	None detected	Center south	At penetrations and pads	15 SF	No	No

MATERIAL INVENTORY
ASBESTOS SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Building E

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
White and black roof mastic	8101	None detected	Center visual barrier area, northeast corner	At all penetrations, pads, perimeter of the parapet wall, on flashing, and on conduit and pipe	200 SF	No	No
White and black roof mastic	8102	None detected	Southwest corner of access hatch	At all penetrations, pads, perimeter of the parapet wall, on flashing, and on conduit and pipe	200 SF	No	No
White and black roof mastic	**8103**	**3% chrysotile**	**West visual barrier area, northwest corner**	**At all penetrations, pads, perimeter of the parapet wall, on flashing, and on conduit and pipe**	**200 SF**	**No**	**No**
Black roof mastic	8104	None detected	Southwest corner of northwest HVAC unit	Patching in west visual barrier area	20 SF	No	No
Black roof mastic	8105	None detected	Center west wall	Patching in west visual barrier area	20 SF	No	No
Black roof mastic	8106	None detected	Southwest corner of southeast HVAC unit	Patching in west visual barrier area	20 SF	No	No
Rolled on roof core - Layer 1	8107	None detected	15' opposite the southwest corner	Throughout roof field on both levels	9,000 SF	No	No
Rolled on roof core - Layer 2	8108	None detected	15' opposite the southwest corner	Throughout roof field on both levels	9,000 SF	No	No
Rolled on roof core - Layer 3	8109	None detected	15' opposite the southwest corner	Throughout roof field on both levels	9,000 SF	No	No
Rolled on roof core - Layer 4	8110	None detected	15' opposite the southwest corner	Throughout roof field on both levels	9,000 SF	No	No
Rolled on roof core - Layer 5	8111	None detected	15' opposite the southwest corner	Throughout roof field on both levels	9,000 SF	No	No

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Building E

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Rolled on roof core - Layer 6	8112	None detected	15' opposite the southwest corner	Throughout roof field on both levels	9,000 SF	No	No
Rolled on roof core - Layer 7	8113	None detected	15' opposite the southwest corner	Throughout roof field on both levels	9,000 SF	No	No
Rolled on roof core - Layer 1	8114	None detected	Center of upper roof	Throughout roof field on both levels	9,000 SF	No	No
Rolled on roof core - Layer 2	8115	None detected	Center of upper roof	Throughout roof field on both levels	9,000 SF	No	No
Rolled on roof core - Layer 3	8116	None detected	Center of upper roof	Throughout roof field on both levels	9,000 SF	No	No
Rolled on roof core - Layer 4	8117	None detected	Center of upper roof	Throughout roof field on both levels	9,000 SF	No	No
Rolled on roof core - Layer 5	8118	None detected	Center of upper roof	Throughout roof field on both levels	9,000 SF	No	No
Rolled on roof core - Layer 6	8119	None detected	Center of upper roof	Throughout roof field on both levels	9,000 SF	No	No
Rolled on roof core - Layer 1	8120	None detected	10' opposite the northeast corner	Throughout roof field on both levels	9,000 SF	No	No
Rolled on roof core - Layer 2	8121	None detected	10' opposite the northeast corner	Throughout roof field on both levels	9,000 SF	No	No
Rolled on roof core - Layer 3	8122	None detected	10' opposite the northeast corner	Throughout roof field on both levels	9,000 SF	No	No
Rolled on roof core - Layer 4	**8123**	**25% chrysotile**	**10' opposite the northeast corner**	**Throughout roof field on both levels**	**9,000 SF**	**No**	**No**
Rolled on roof core - Layer 5	8124	None detected	10' opposite the northeast corner	Throughout roof field on both levels	9,000 SF	No	No
Rolled on roof core - Layer 6	**8125**	**25% chrysotile**	**10' opposite the northeast corner**	**Throughout roof field on both levels**	**9,000 SF**	**No**	**No**

MATERIAL INVENTORY
ASBESTOS SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Building F

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
White and black roof mastic	**8129**	**4% chrysotile**	**West visual barrier area, northeast corner**	**At all penetrations, pads, perimeter of the parapet wall, and on conduit and pipe**	**200 SF**	**No**	**No**
White and black roof mastic	**8130**	**3% chrysotile**	**Southeast penetration**	**At all penetrations, pads, perimeter of the parapet wall, and on conduit and pipe**	**200 SF**	**No**	**No**
White and black roof mastic	**8131**	**None detected**	**East visual barrier area, northwest corner of the southwest HVAC unit**	**At all penetrations, pads, perimeter of the parapet wall, and on conduit and pipe**	**200 SF**	**No**	**No**
Black roof mastic	8132	None detected	West barrier area, center south wall	Patching throughout the roof field	50 SF	No	No
Black roof mastic	8133	None detected	West barrier area, 5' north of the southwest corner	Patching throughout the roof field	50 SF	No	No
Black roof mastic	8134	None detected	East barrier area, at center north of southeast HVAC	Patching throughout the roof field	50 SF	No	No
Rolled on roof core - Layer 1	8135	None detected	10' opposite the southeast corner	Throughout roof field	6,500 SF	No	No
Rolled on roof core - Layer 2	8136	None detected	10' opposite the southeast corner	Throughout roof field	6,500 SF	No	No
Rolled on roof core - Layer 3	8137	None detected	10' opposite the southeast corner	Throughout roof field	6,500 SF	No	No
Rolled on roof core - Layer 4	**8138**	**30% chrysotile**	**10' opposite the southeast corner**	**Throughout roof field**	**6,500 SF**	**No**	**No**
Rolled on roof core - Layer 5	**8139**	**30% chrysotile**	**10' opposite the southeast corner**	**Throughout roof field**	**6,500 SF**	**No**	**No**
Rolled on roof core - Layer 1	8140	None detected	Center	Throughout roof field	6,500 SF	No	No

MATERIAL INVENTORY
ASBESTOS SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Building F

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Rolled on roof core - Layer 2	8141	None detected	Center	Throughout roof field	6,500 SF	No	No
Rolled on roof core - Layer 3	8142	None detected	Center	Throughout roof field	6,500 SF	No	No
Rolled on roof core - Layer 4	8143	None detected	Center	Throughout roof field	6,500 SF	No	No
Rolled on roof core - Layer 5	8144	None detected	Center	Throughout roof field	6,500 SF	No	No
Rolled on roof core - Layer 6	**8145**	**30% chrysotile**	**Center**	**Throughout roof field**	**6,500 SF**	**No**	**No**
Rolled on roof core - Layer 7	**8146**	**30% chrysotile**	**Center**	**Throughout roof field**	**6,500 SF**	**No**	**No**
Rolled on roof core - Layer 1	8147	None detected	20' opposite the northwest corner	Throughout roof field	6,500 SF	No	No
Rolled on roof core - Layer 2	8148	None detected	20' opposite the northwest corner	Throughout roof field	6,500 SF	No	No
Rolled on roof core - Layer 3	8149	None detected	20' opposite the northwest corner	Throughout roof field	6,500 SF	No	No
Rolled on roof core - Layer 4	8150	None detected	20' opposite the northwest corner	Throughout roof field	6,500 SF	No	No
Rolled on roof core - Layer 5	8151	None detected	20' opposite the northwest corner	Throughout roof field	6,500 SF	No	No
Rolled on roof core - Layer 6	8152	None detected	20' opposite the northwest corner	Throughout roof field	6,500 SF	No	No
Rolled on roof core - Layer 7	**8153**	**30% chrysotile**	**20' opposite the northwest corner**	**Throughout roof field**	**6,500 SF**	**No**	**No**

MATERIAL INVENTORY
ASBESTOS SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Building G

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Roof core	8126	None detected	Center	Throughout roof field	3,800 SF	No	No
Roof core	8127	None detected	15' opposite the southwest corner	Throughout roof field	3,800 SF	No	No
Roof core	8128	None detected	10' opposite the northeast corner	Throughout roof field	3,800 SF	No	No

MATERIAL INVENTORY
ASBESTOS SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Sheds
RSCC-24-12223

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Rolled on roof core - Layer 1	8613	None detected	Northwest corner	Throughout roof field	100 SF	No	No
Rolled on roof core - Layer 2	**8614**	**5% chrysotile**	**Northwest corner**	**Throughout roof field**	**100 SF**	**No**	**No**
Rolled on roof core - Layer 1	8615	None detected	Center north	Throughout roof field	100 SF	No	No
Rolled on roof core - Layer 2	**8616**	**3% chrysotile**	**Center north**	**Throughout roof field**	**100 SF**	**No**	**No**
Rolled on roof core - Layer 1	8617	None detected	Southeast corner	Throughout roof field	100 SF	No	No
Rolled on roof core - Layer 2	8618	None detected	Southeast corner	Throughout roof field	100 SF	No	No

Lead

MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Building A

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (PPM)	Damage	Approx. Damage Qty.
Flashing	5169	Metal	Beige/white	Center north wall	Perimeter of building and visual barriers	<49	No	NA
Visual barrier	5170	Wood	Beige/white	Center north wall	Inner and outer walls of visual barrier	<49	No	NA
Pipe/conduit	5171	Metal	White	20' east of the center west wall	Throughout roof	<47	No	NA

MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Building B

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (PPM)	Damage	Approx. Damage Qty.
Flashing	5166	Metal	Beige/white	Center west wall of barrier area	Perimeter of building and visual barriers	150	No	NA
Visual barrier	5167	Wood	Beige/white	Northeast corner	Inner and outer walls of visual barrier	<48	No	NA
Pipe/conduit	5168	Metal	White	Center of barrier area	Throughout roof	<50	No	NA

MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Building C

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (PPM)	Damage	Approx. Damage Qty.
Flashing	4680	Metal	Beige/white	Center north wall	Perimeter of building and visual barriers	<49	No	NA
Visual barrier	4681	Wood	Beige/white	Northwest corner	Inner and outer walls of visual barrier	<56	No	NA
Visual barrier frame	4682	Metal	Beige	Southwest corner	Throughout visual barrier	<49	No	NA
Pipe/conduit	4683	Metal	White	Center of roof	Throughout roof	<46	No	NA

MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Bldg C110

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (PPM)	Damage	Approx. Damage Qty.
Flashing	5190	Metal	Brown	5' east of the southwest corner	Perimeter of building	<94	No	NA
Gutter	5191	Metal	Brown	10' north of the southwest corner	Perimeter of building	<130	No	NA

MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Bldg C111

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (PPM)	Damage	Approx. Damage Qty.
Flashing	5186	Metal	Brown	West center	Perimeter of building	<65	No	NA
Gutter	5187	Metal	Brown	West center	Perimeter of building	<53	No	NA

MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: Centennial Education Center
PROJECT NAME: RSCC-24-12223

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (PPM)	Damage	Approx. Damage Qty.
Flashing	4685	Metal	Beige/white	Entrance to visual barrier area	Perimeter of building and visual barriers	<48	No	NA
Visual barrier	4686	Wood	Beige/white	Northeast corner of visual barrier	Inner and outer walls of visual barrier	97	No	NA
Pipe/conduit	4687	Metal	White	Center of visual barrier area	Throughout roof	<48	No	NA

MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Bldg D106&107

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (PPM)	Damage	Approx. Damage Qty.
Flashing	5172	Metal	Beige	Southeast corner of D106	Perimeter of building	<50	No	NA
Pipe/conduit	5173	Metal	White	Center west wall of D107	Throughout roof	<49	No	NA
Gutter	5174	Metal	Brown	Southeast corner of D106	Perimeter of building	<140	No	NA
HVAC duct/support	5175	Metal	White	Center west wall of D107	At HVAC unit	<49	No	NA

MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Bldg D108

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (PPM)	Damage	Approx. Damage Qty.
Flashing	5176	Metal	Beige	Southeast corner	Perimeter of building	<49	No	NA
Pipe/conduit	5177	Metal	White	Center south wall	Throughout roof	<220	No	NA
Gutter	5178	Metal	Brown	Southeast corner	Perimeter of building	<49	No	NA

MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Bldg D109

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (PPM)	Damage	Approx. Damage Qty.
Flashing	5179	Metal	Beige	Center south	Perimeter of building	<49	No	NA
Gutter	5180	Metal	Brown	Center south	Perimeter of building	<210	No	NA

MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Bldg D110

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (PPM)	Damage	Approx. Damage Qty.
Flashing	4684	Metal	Beige	Center south wall	Perimeter of building	<49	No	NA
Pipe/conduit	4685	Metal	White	Center south wall	Throughout roof	<47	No	NA
Gutter	4686	Metal	Brown	Northeast corner	Perimeter of building	<48	No	NA

MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Bldg D111

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (PPM)	Damage	Approx. Damage Qty.
Flashing	5184	Metal	Beige	Northeast corner	Perimeter of building	<48	No	NA
Gutter	5185	Metal	Brown	Northeast corner	Perimeter of building	<47	No	NA

MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Bldg D112

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (PPM)	Damage	Approx. Damage Qty.
Flashing	5181	Metal	Beige	Southeast corner	Perimeter of building	<49	No	NA
Pipe/conduit	5182	Metal	White	Northeast corner	Throughout roof	<48	No	NA
Gutter	5183	Metal	Brown	Southeast corner	Perimeter of building	<240	No	NA

MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Bldg E

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (PPM)	Damage	Approx. Damage Qty.
Flashing	4686	Metal	Beige/white	Southeast corner of upper roof	Perimeter of building and visual barriers	190	No	NA
Visual barrier	4687	Wood	Beige/white	Southeast corner of north visual barrier area	Inner and outer walls of visual barrier	<48	No	NA
Pipe/conduit	4688	Metal	White	Center of west barrier area	Throughout roof	<47	No	NA

MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Building G

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (PPM)	Damage	Approx. Damage Qty.
Flashing	4689	Metal	Beige	Center west wall	Perimeter	<220	No	NA

MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Building F

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (PPM)	Damage	Approx. Damage Qty.
Flashing	4690	Metal	Beige/white	East barrier area, northwest corner	Perimeter of building and visual barriers	<49	No	NA
Visual barrier	4691	Wood	Beige/white	West barrier area, center west wall	Inner and outer walls of visual barrier	<47	No	NA
Pipe/conduit	4692	Metal	White	West barrier area, center north side of southeast HVAC unit	Throughout roof	<46	No	NA

MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-24-12223
PROJECT NAME: Centennial Education Center Sheds

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (PPM)	Damage	Approx. Damage Qty.
Flashing	5188	Metal	Brown	Center south	Perimeter	<71	No	NA
Fascia	5189	Wood	Brown	Center south	Perimeter	<49	No	NA

APPENDIX B

Laboratory Analytical Report

Asbestos

ENVIRONMENTAL LABORATORIES LLC

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

Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458476

Project Number RSCC-24-12223
Project Name Building A
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 21

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

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458476-001						
8550	Roof mastic, White/Silver/ Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Metallic Paint Bituminous Matrix Binder/Filler	10% 5% 65% 15%	Chrysotile	5%
	Asbestos Present: Yes		Total % Non-Asbestos:	95.0%	**Total %Asbestos:**	**5.0%**
2458476-002						
8551	Roof mastic, White/Silver/ Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Metallic Paint Bituminous Matrix Binder/Filler	10% 5% 65% 15%	Chrysotile	5%
	Asbestos Present: Yes		Total % Non-Asbestos:	95.0%	**Total %Asbestos:**	**5.0%**
2458476-003						
8552	Roof mastic, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Binder/Filler	5% 80% 10%	Chrysotile	5%
	Asbestos Present: Yes		Total % Non-Asbestos:	95.0%	**Total %Asbestos:**	**5.0%**
2458476-004						
8553	Roof mastic, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	20% 80%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458476-005						
8554	Roof mastic, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	20% 80%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458476-006						
8555	Roof mastic, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	20% 80%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458476-007						
8556	Rolled on roof core - Layer 1, White/Silver/Black, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Fibrous Glass Metallic Paint Bituminous Matrix Binder/Filler	25% 10% 10% 45% 10%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458476-008						
8557	Rolled on roof core - Layer 2, Silver/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Metallic Paint Bituminous Matrix	20% 5% 75%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458476-009						
8558	Rolled on roof core - Layer 3, Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix	20% 80%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458476-010						
8559	Rolled on roof core - Layer4, Black/Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Bituminous Matrix	15% 10% 75%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458476-011						
8560	Rolled on roof core - Layer 1, White/ Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Metallic Paint Bituminous Matrix Binder/Filler	10% 10% 30% 50%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458476-012						
8561	Rolled on roof core - Layer 2, Black, Homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix	30% 70%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458476-013						
8562	Rolled on roof core - Layer 2, Black, Homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix	20% 80%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458476-014						
8563	Rolled on roof core - Layer 4, Gray, Non-homogeneous	LAYER 1 100%	Fibrous Glass Quartz/Gravel Bituminous Matrix/Filler	15% 20% 65%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458476-015						
8564	Rolled on roof core - Layer 1, White/Silver/Black, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Metallic Paint Bituminous Matrix Binder/Filler	40% 10% 25% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458476-016						
8565	Rolled on roof core - Layer 2, Silver/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Metallic Paint Bituminous Matrix	40% 5% 55%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458476-017						
8566	Rolled on roof core - Layer 3, Silver/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Metallic Paint Bituminous Matrix	30% 5% 65%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458476-018						
8567	Rolled on roof core - Layer 4, Silver/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Metallic Paint Bituminous Matrix	30% 5% 65%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Sampled By
Total Samples 21

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

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458476-019						
8568	Rolled on roof core - Layer 5, Black, Homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix	10% 90%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458476-020						
8569	Rolled on roof core - Layer 6, Gray, Non-homogeneous	LAYER 1 100%	Fibrous Glass Quartz/Gravel Bituminous Matrix/Filler	20% 30% 50%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458476-021						
8570	Rolled on roof core - Layer 7, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Bituminous Matrix/Filler	15% <1% 85%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Cristina E Tabatt

Analyst - Cristina Tabatt

Cristina E Tabatt

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

CHAIN OF CUSTODY

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

(Lab) Order No. 2458476

CUSTOMER INFORMATION		Turnaround Time		Shipped By		Report Send Via:	
Company	NV5	Same Day	☐	FedEx	☐	Web	☐
Address	3777 Long Beach Blvd., Annex Bldg.	1 Day	☑	UPS	☐	Email	☑
City/State/Zip	Long Beach, Ca 90807	2 Day	☐	USPS	☐	Fax	☐
Contact	Eric J. Fleming	3 Day	☐	Drop Off	☑	Verbal	☐
Office Phone	562-495-5777	5 Day	☐	Drop Box	☐	Mail	☐
Cell		Weekend	☐	Other	☐	Pick up	☐
Fax	562-495-5877	Special Instructions:					
Email	eric.fleming@nv5.com	**Layered analysis on drywall/joint compound**					

PROJECT INFORMATION

Project Name:	Building A	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
8550	White and black roof mastic	NA	5/4/2024	NA	NA	NA
8551	White and black roof mastic	NA	5/4/2024	NA	NA	NA
8552	White and black roof mastic	NA	5/4/2024	NA	NA	NA
8553	Black roof mastic	NA	5/4/2024	NA	NA	NA
8554	Black roof mastic	NA	5/4/2024	NA	NA	NA
8555	Black roof mastic	NA	5/4/2024	NA	NA	NA
8556	Rolled on roof core - Layer 1	NA	5/4/2024	NA	NA	NA
8557	Rolled on roof core - Layer 2	NA	5/4/2024	NA	NA	NA
8558	Rolled on roof core - Layer 3	NA	5/4/2024	NA	NA	NA
8559	Rolled on roof core - Layer 4	NA	5/4/2024	NA	NA	NA

Relinquished By:		Received By:	
Printed Name	Eric Fleming	Printed Name	Jackie Thyng
Date/Time:	5-5-24 12a	Date/Time:	5/6/24 0800
Relinquished By:		Received By:	
Printed Name		Printed Name	
Date/Time:		Date/Time:	

Lab Forms
Ver. 2016-06-27

CHAIN OF CUSTODY

ENVIRONMENTAL LABORATORIES

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

Company: Alta Environmental/NV5
Project Number: RSCC-24-12223
Project Name:

(Lab) Order No. 2458476

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
8560	Rolled on roof core - Layer 1	NA	5/4/2024	NA / ----------	NA	NA
8561	Rolled on roof core - Layer 2	NA	5/4/2024	NA / ----------	NA	NA
8562	Rolled on roof core - Layer 3	NA	5/4/2024	NA / ----------	NA	NA
8563	Rolled on roof core - Layer 4	NA	5/4/2024	NA / ----------	NA	NA
8564	Rolled on roof core - Layer 1	NA	5/4/2024	NA / ----------	NA	NA
8565	Rolled on roof core - Layer 2	NA	5/4/2024	NA / ----------	NA	NA
8566	Rolled on roof core - Layer 3	NA	5/4/2024	NA / ----------	NA	NA
8567	Rolled on roof core - Layer 4	NA	5/4/2024	NA / ----------	NA	NA
8568	Rolled on roof core - Layer 5	NA	5/4/2024	NA / ----------	NA	NA
8569	Rolled on roof core - Layer 6	NA	5/4/2024	NA / ----------	NA	NA
8570	Rolled on roof core - Layer 7	NA	5/4/2024	NA / ----------	NA	NA
				/ ----------		
				/ ----------		
				/ ----------		
				/ ----------		
				/ ----------		
				/ ----------		
				/ ----------		
				/ ----------		
				/ ----------		

Relinquished By:	Received By:
Printed Name: Eric Flores	Printed Name: Jackie Tayag
Date/Time: 5-5-24 12a	Date/Time: 5/6/24 0500
Relinquished By:	Received By:
Printed Name	Printed Name
Date/Time:	Date/Time:

ENVIRONMENTAL LABORATORIES LLC

1508 East 33rd Street
Signal Hill, CA 90755
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Fax: 562-206-2773

Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458475

Project Number RSCC-24-12223
Project Name Building B
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 23

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

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458475-001						
8527	Roof mastic, White/Silver/Black, Non-homogeneous	LAYER 1 100%	 Bituminous Matrix/Filler Other Non-Fibrous Material	 52% 45%	Chrysotile	3%
	Asbestos Present: Yes		Total % Non-Asbestos:	97.0%	**Total %Asbestos:**	**3.0%**
2458475-002						
8528	Roof mastic, White/Silver/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	5% 50% 45%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458475-003						
8529	Roof mastic, White/Silver/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	10% 47% 40%	Chrysotile	3%
	Asbestos Present: Yes		Total % Non-Asbestos:	97.0%	**Total %Asbestos:**	**3.0%**
2458475-004						
8530	Rolled on roof core - Layer 1, White/Black/Silver, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	25% 10% 45% 20%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458475-005						
8531	Rolled on roof core - Layer 2, Black/Silver, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	20% 75% 5%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458475-006						
8532	Rolled on roof core - Layer 3, Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler	10% 90%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458475-007						
8533	Rolled on roof core - Layer 4, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Bituminous Matrix/Filler	45% 5% 50%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458475-008						
8534	Rolled on roof core - Layer 5, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	10% 65% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458475-009						
8535	Rolled on roof core - Layer 6, Dk. Brown, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	45% 30%	Chrysotile	25%
	Asbestos Present: Yes		Total % Non-Asbestos:	75.0%	**Total %Asbestos:**	**25.0%**
2458475-010						
8536	Rolled on roof core - Layer 7, Dk. Brown, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	45% 30%	Chrysotile	25%
	Asbestos Present: Yes		Total % Non-Asbestos:	75.0%	**Total %Asbestos:**	**25.0%**
2458475-011						
8537	Rolled on roof core - Layer 1, White/Black/Silver, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Bituminous Matrix Other Non-Fibrous Material	35% 35% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458475-012						
8538	Rolled on roof core - Layer 2, Silver/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	30% 60% 10%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458475-013						
8539	Rolled on roof core - Layer 3, Black, Homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler	10% 90%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458475-014						
8540	Rolled on roof core - Layer 4, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	65% 35%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458475-015						
8541	Rolled on roof core - Layer 5, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	10% 65% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458475-016						
8542	Rolled on roof core - Layer 6, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	15% 55% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458475-017						
8543	Rolled on roof core - Layer 7, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	55% 20%	Chrysotile	25%
	Asbestos Present: Yes		Total % Non-Asbestos:	75.0%	**Total %Asbestos:**	**25.0%**
2458475-018						
8544	Rolled on roof core - Layer 1, White/Black/Silver, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	25% 10% 50% 15%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458475-019						
8545	Rolled on roof core - Layer 2, Black/Silver, Homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	35% 50% 15%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458475-020						
8546	Rolled on roof core - Layer 3, Black, Homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler	10% 90%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458475-021						
8547	Rolled on roof core - Layer 4, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	75% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458475-022						
8548	Rolled on roof core - Layer 5, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	15% 60% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458475-023						
8549	Rolled on roof core - Layer 6, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	60% 20%	Chrysotile	20%
	Asbestos Present: Yes		Total % Non-Asbestos:	80.0%	**Total %Asbestos:**	**20.0%**

ENVIRONMENTAL LABORATORIES LLC

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Fax: 562-206-2773

Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458475

Project Number RSCC-24-12223
Project Name Building B
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 23

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

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

CHAIN OF CUSTODY

AQ ENVIRONMENTAL LABORATORIES
1508 E. 33rd Street
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services@AQenvlabs.com

(Lab) Order No. 2458475

CUSTOMER INFORMATION	
Company	NV5
Address	3777 Long Beach Blvd., Annex Bldg.
City/State/Zip	Long Beach, Ca 90807
Contact	Eric J. Fleming
Office Phone	562-495-5777
Cell	
Fax	562-495-5877
Email	eric.fleming@nv5.com

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

Special Instructions:
Layered analysis on drywall/joint compound

PROJECT INFORMATION

Project Name:	Building B	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
8527	White and black roof mastic	NA	5/4/2024	NA	NA	NA
8528	White and black roof mastic	NA	5/4/2024	NA	NA	NA
8529	White and black roof mastic	NA	5/4/2024	NA	NA	NA
8530	Rolled on roof core - Layer 1	NA	5/4/2024	NA	NA	NA
8531	Rolled on roof core - Layer 2	NA	5/4/2024	NA	NA	NA
8532	Rolled on roof core - Layer 3	NA	5/4/2024	NA	NA	NA
8533	Rolled on roof core - Layer 4	NA	5/4/2024	NA	NA	NA
8534	Rolled on roof core - Layer 5	NA	5/4/2024	NA	NA	NA
8535	Rolled on roof core - Layer 6	NA	5/4/2024	NA	NA	NA
8536	Rolled on roof core - Layer 7	NA	5/4/2024	NA	NA	NA

Relinquished By:	[signature]	Received By:	[signature]
Printed Name	Eric Flem.	Printed Name	Jackie Tayag
Date/Time:	5-5-24 12a	Date/Time:	5/4/24 0500
Relinquished By:		Received By:	
Printed Name		Printed Name	
Date/Time:		Date/Time:	

CHAIN OF CUSTODY

ENVIRONMENTAL LABORATORIES

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Signal Hill, CA 90755
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562-206-2773 Fax
services@AQenvlabs.com

Company: Alta Environmental/NV5
Project Number: RSCC-24-12223
Project Name:

(Lab) Order No. 2458475

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
8537	Rolled on roof core - Layer 1	NA	5/4/2024	NA	NA	NA
8538	Rolled on roof core - Layer 2	NA	5/4/2024	NA	NA	NA
8539	Rolled on roof core - Layer 3	NA	5/4/2024	NA	NA	NA
8540	Rolled on roof core - Layer 4	NA	5/4/2024	NA	NA	NA
8541	Rolled on roof core - Layer 5	NA	5/4/2024	NA	NA	NA
8542	Rolled on roof core - Layer 6	NA	5/4/2024	NA	NA	NA
8543	Rolled on roof core - Layer 7	NA	5/4/2024	NA	NA	NA
8544	Rolled on roof core - Layer 1	NA	5/4/2024	NA	NA	NA
8545	Rolled on roof core - Layer 2	NA	5/4/2024	NA	NA	NA
8546	Rolled on roof core - Layer 3	NA	5/4/2024	NA	NA	NA
8547	Rolled on roof core - Layer 4	NA	5/4/2024	NA	NA	NA
8548	Rolled on roof core - Layer 5	NA	5/4/2024	NA	NA	NA
8549	Rolled on roof core - Layer 6	NA	5/4/2024	NA	NA	NA

Relinquished By:	Received By:
Printed Name	Printed Name
Date/Time: 5-5-24 12:-	Date/Time: 5/6/24 0800
Relinquished By:	Received By:
Printed Name	Printed Name
Date/Time:	Date/Time:

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Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458442

Project Number RSCC-24-12223
Project Name Building C
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 20

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

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458442-001						
8055	Roof mastic, White/Silver/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Cellulose Fiber Bituminous Matrix Metallic Paint Binder/Filler	<1% 5% 55% 10% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458442-002						
8056	Roof mastic, White/Silver/Black, Non-homogeneous	LAYER 1 100%	Bituminous Matrix Metallic Paint Binder/Filler	35% 10% 53%	Chrysotile	2%
	Asbestos Present: Yes		Total % Non-Asbestos:	98.0%	**Total %Asbestos:**	**2.0%**
2458442-003						
8057	Roof mastic, White/Silver/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Metallic Paint Binder/Filler	2% 40% 15% 40%	Chrysotile	3%
	Asbestos Present: Yes		Total % Non-Asbestos:	97.0%	**Total %Asbestos:**	**3.0%**
2458442-004						
8058	Rolled on roof core - Layer 1, White/ Black, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Bituminous Matrix Binder/Filler	30% 40% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458442-005						
8059	Rolled on roof core - Layer 2, Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Metallic Paint Bituminous Matrix/Filler	20% 5% 73%	Chrysotile	2%
	Asbestos Present: Yes		Total % Non-Asbestos:	98.0%	**Total %Asbestos:**	**2.0%**
2458442-006						
8060	Rolled on roof core - Layer 3, Black, Homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix	20% 78%	Chrysotile	2%
	Asbestos Present: Yes		Total % Non-Asbestos:	98.0%	**Total %Asbestos:**	**2.0%**

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Attn.: Eric Fleming

Report Number 2458442

Project Number RSCC-24-12223
Project Name Building C
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 20

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

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458442-007						
8061	Rolled on roof core - Layer 4, Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Cellulose Fiber Bituminous Matrix	5% 10% 85%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458442-008						
8062	Rolled on roof core - Layer 5, Beige, Non-homogeneous	LAYER 1 100%	Fibrous Glass Quartz/Gravel Bituminous Matrix/Filler	15% 35% 50%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458442-009						
8063	Rolled on roof core - Layer 6, Black/ Brown, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	<1% 50%	Chrysotile	50%
	Asbestos Present: Yes		Total % Non-Asbestos:	50.0%	**Total %Asbestos:**	**50.0%**
2458442-010						
8064	Rolled on roof core - Layer 7, Black/ Brown, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	<1% 50%	Chrysotile	50%
	Asbestos Present: Yes		Total % Non-Asbestos:	50.0%	**Total %Asbestos:**	**50.0%**
2458442-011						
8065	Rolled on roof core - Layer 1, White/ Black, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Fibrous Glass Metallic Paint Bituminous Matrix Binder/Filler	20% <1% 5% 55% 20%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458442-012						
8066	Rolled on roof core - Layer 2, Silver/ Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Metallic Paint Bituminous Matrix	15% 5% 80%	Chrysotile	<1%
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**

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Alta Environmental
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Attn.: Eric Fleming

Report Number 2458442

Project Number RSCC-24-12223
Project Name Building C
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 20

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

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458442-013						
8067	Rolled on roof core - Layer 3, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Bituminous Matrix	15% 5% 80%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458442-014						
8068	Rolled on roof core - Layer 4, Beige, Non-homogeneous	LAYER 1 100%	Fibrous Glass Quartz/Gravel Bituminous Matrix/Filler	15% 35% 50%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458442-015						
8069	Rolled on roof core - Layer 5, Black/ Brown, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	<1% 50%	Chrysotile	50%
	Asbestos Present: Yes		Total % Non-Asbestos:	50.0%	**Total %Asbestos:**	**50.0%**
2458442-016						
8070	Rolled on roof core - Layer 1, White/ Black, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Fibrous Glass Cellulose Fiber Metallic Paint Bituminous Matrix Quartz/Gravel Binder/Filler	20% 5% <1% 5% 40% 10% 20%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458442-017						
8071	Rolled on roof core - Layer 2, Silver/Black, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Metallic paint Bituminous Matrix	40% 5% 55%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

ENVIRONMENTAL LABORATORIES LLC

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Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458442

Project Number RSCC-24-12223
Project Name Building C
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 20

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

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458442-018						
8072	Rolled on roof core - Layer 3, Silver/ Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber	5%	None Detected	
			Fibrous Glass	10%		
			Synthetic Fiber	5%		
			Metallic Paint	5%		
			Bituminous Matrix	75%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458442-019						
8073	Rolled on roof core - Layer 4, Beige, Non-homogeneous	LAYER 1 100%	Fibrous Glass	15%	None Detected	
			Quartz/Gravel	35%		
			Bituminous Matrix/Filler	50%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458442-020						
8074	Rolled on roof core - Layer 5, Black/ Brown, Homogeneous	LAYER 1 100%	Cellulose Fiber	20%	Chrysotile	30%
			Bituminous Matrix	50%		
	Asbestos Present: Yes		Total % Non-Asbestos:	70.0%	**Total %Asbestos:**	**30.0%**

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Cristina E Tabatt

Analyst - Cristina Tabatt

Cristina E Tabatt

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

CHAIN OF CUSTODY

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services@AQenvlabs.com

(Lab) Order No. 2458442

CUSTOMER INFORMATION		Turnaround Time		Shipped By		Report Send Via:	
Company	NV5	Same Day	☐	FedEx	☐	Web	☐
Address	3777 Long Beach Blvd., Annex Bldg.	1 Day	☑	UPS	☐	Email	☑
City/State/Zip	Long Beach, Ca 90807	2 Day	☐	USPS	☐	Fax	☐
Contact	Eric J. Fleming	3 Day	☐	Drop Off	☑	Verbal	☐
Office Phone	562-495-5777	5 Day	☐	Drop Box	☐	Mail	☐
Cell		Weekend	☐	Other	☐	Pick up	☐
Fax	562-495-5877	Special Instructions:					
Email	eric.fleming@nv5.com						

PROJECT INFORMATION

Project Name:	Building C	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
8055	White and black roof mastic	NA	5/4/2024	NA	NA	NA
8056	White and black roof mastic	NA	5/4/2024	NA	NA	NA
8057	White and black roof mastic	NA	5/4/2024	NA	NA	NA
8058	Rolled on roof core - Layer 1	NA	5/4/2024	NA	NA	NA
8059	Rolled on roof core - Layer 2	NA	5/4/2024	NA	NA	NA
8060	Rolled on roof core - Layer 3	NA	5/4/2024	NA	NA	NA
8061	Rolled on roof core - Layer 4	NA	5/4/2024	NA	NA	NA
8062	Rolled on roof core - Layer 5	NA	5/4/2024	NA	NA	NA
8063	Rolled on roof core - Layer 6	NA	5/4/2024	NA	NA	NA
8064	Rolled on roof core - Layer 7	NA	5/4/2024	NA	NA	NA

Relinquished By:		Received By:	
Printed Name	Eric Flem.	Printed Name	Jackie Tsang
Date/Time:	5-5-24 12a	Date/Time:	5/6/24 0800
Relinquished By:		Received By:	
Printed Name		Printed Name	
Date/Time:		Date/Time:	

Lab Forms
Ver. 2016-06-27

CHAIN OF CUSTODY

ENVIRONMENTAL LABORATORIES

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Company: Alta Environmental/NV5
Project Number: RSCC-24-12223
Project Name:

(Lab) Order No. 2458442

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
8065	Rolled on roof core - Layer 1	NA	5/4/2024	NA / ----------	NA	NA
8066	Rolled on roof core - Layer 2	NA	5/4/2024	NA / ----------	NA	NA
8067	Rolled on roof core - Layer 3	NA	5/4/2024	NA / ----------	NA	NA
8068	Rolled on roof core - Layer 4	NA	5/4/2024	NA / ----------	NA	NA
8069	Rolled on roof core - Layer 5	NA	5/4/2024	NA / ----------	NA	NA
8070	Rolled on roof core - Layer 1	NA	5/4/2024	NA / ----------	NA	NA
8071	Rolled on roof core - Layer 2	NA	5/4/2024	NA / ----------	NA	NA
8072	Rolled on roof core - Layer 3	NA	5/4/2024	NA / ----------	NA	NA
8073	Rolled on roof core - Layer 4	NA	5/4/2024	NA / ----------	NA	NA
8074	Rolled on roof core - Layer 5	NA	5/4/2024	NA / ----------	NA	NA

Relinquished By:	Received By:
Printed Name	Printed Name Jackie Tang
Date/Time: 5-6-24 1600	Date/Time: 5/6/24 0800
Relinquished By:	Received By:
Printed Name	Printed Name
Date/Time:	Date/Time:

ENVIRONMENTAL LABORATORIES LLC

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Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458484

Project Number RSCC-24-12223
Project Name Building C110
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 6

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

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458484-001						
8619	Roof core, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	10% 35% 55%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458484-002						
8620	Roof core, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	10% 35% 55%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458484-003						
8621	Roof core, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	10% 60% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458484-004						
8622	Mastic, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	5% 25% 70%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458484-005						
8623	Mastic, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	25% 25% 50%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458484-006						
8624	Mastic, White/Black/Grey, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	<1% 20% 80%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

ENVIRONMENTAL LABORATORIES LLC

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Alta Environmental
3777 Long Beach Blvd.
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Attn.: Eric Fleming

Report Number 2458484

Project Number RSCC-24-12223
Project Name Building C110
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 6

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

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

CHAIN OF CUSTODY

AQ ENVIRONMENTAL LABORATORIES
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(Lab) Order No. 2458484

CUSTOMER INFORMATION	
Company	NV5
Address	3777 Long Beach Blvd., Annex Bldg.
City/State/Zip	Long Beach, Ca 90807
Contact	Eric J. Fleming
Office Phone	562-495-5777
Cell	
Fax	562-495-5877
Email	eric.fleming@nv5.com

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

Special Instructions:

PROJECT INFORMATION

Project Name:	Building C110	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
8619	Roof core	NA	5/4/2024	NA /	NA	NA
8620	Roof core	NA	5/4/2024	NA /	NA	NA
8621	Roof core	NA	5/4/2024	NA /	NA	NA
8622	Black and white mastic	NA	5/4/2024	NA /	NA	NA
8623	Black and white mastic	NA	5/4/2024	NA /	NA	NA
8624	Black and white mastic	NA	5/4/2024	NA /	NA	NA
				/		
				/		
				/		
				/		

Relinquished By:	Received By:
Printed Name: Eric Flem.	Printed Name: Jackie Tayag
Date/Time: 5-5-24 1pm	Date/Time: 5/6/24 0800
Relinquished By:	Received By:
Printed Name	Printed Name
Date/Time:	Date/Time:

Lab Forms
Ver. 2016-06-27

ENVIRONMENTAL LABORATORIES LLC

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Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458482

Project Number RSCC-24-12223
Project Name Building C111
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/08/2024
Date Reported 05/08/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 12

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

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458482-001						
8601	Mastic, White/ Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Binder/Filler	<1% 75% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458482-002						
8602	Mastic, White/ Black, Non-homogeneous	LAYER 1 100%	 Bituminous Matrix Binder/Filler	 20% 80%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458482-003						
8603	Mastic, White/ Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Binder/Filler	5% 65% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458482-004						
8604	Rolled on roof core - Layer 1, White/ Black, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Bituminous Matrix Binder/Filler	30% 40% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458482-005						
8605	Rolled on roof core - Layer 2, Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix	15% 85%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458482-006						
8606	Rolled on roof core - Layer 3, Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix	20% 80%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Location Santa Ana, CA
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Date Sampled 05/04/2024
Sampled By
Total Samples 12

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

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458482-007						
8607	Rolled on roof core - Layer 1, White/ Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Synthetic Fiber Bituminous Matrix Binder/Filler	5% 30% 50% 15%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458482-008						
8608	Rolled on roof core - Layer 2, Gray, Non-homogeneous	LAYER 1 100%	Fibrous Glass Quartz/Gravel Bituminous Matrix/Filler	15% 40% 45%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458482-009						
8609	Rolled on roof core - Layer 3, Black, Homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix	30% 70%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458482-010						
8610	Rolled on roof core - Layer 1, White/ Black, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Fibrous Glass Bituminous Matrix Binder/Filler	30% <1% 40% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458482-011						
8611	Rolled on roof core - Layer 2, Beige, Non-homogeneous	LAYER 1 100%	Fibrous Glass Quartz/Gravel Bituminous Matrix/Filler	15% 20% 65%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458482-012						
8612	Rolled on roof core - Layer 3, Black, Homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler	20% 80%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Report Number 2458482

Project Number RSCC-24-12223
Project Name Building C111
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/08/2024
Date Reported 05/08/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 12

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

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Cristina E Tabatt

Analyst - Cristina Tabatt

Cristina E Tabatt

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

CHAIN OF CUSTODY

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(Lab) Order No. 2458482

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City/State/Zip	Long Beach, Ca 90807
Contact	Eric J. Fleming
Office Phone	562-495-5777
Cell	
Fax	562-495-5877
Email	eric.fleming@nv5.com

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

Special Instructions:

PROJECT INFORMATION

Project Name:	Building C111	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
8601	Black and white mastic	NA	5/4/2024	NA	NA	NA
8602	Black and white mastic	NA	5/4/2024	NA	NA	NA
8603	Black and white mastic	NA	5/4/2024	NA	NA	NA
8604	Rolled on roof core - Layer 1	NA	5/4/2024	NA	NA	NA
8605	Rolled on roof core - Layer 2	NA	5/4/2024	NA	NA	NA
8606	Rolled on roof core - Layer 3	NA	5/4/2024	NA	NA	NA
8607	Rolled on roof core - Layer 1	NA	5/4/2024	NA	NA	NA
8608	Rolled on roof core - Layer 2	NA	5/4/2024	NA	NA	NA
8609	Rolled on roof core - Layer 3	NA	5/4/2024	NA	NA	NA
8610	Rolled on roof core - Layer 1	NA	5/4/2024	NA	NA	NA

Relinquished By:		Received By:	
Printed Name	Eric Fleming	Printed Name	Jackie Tang
Date/Time:	5-5-24 12a	Date/Time:	5/6/24 0800
Relinquished By:		Received By:	
Printed Name		Printed Name	
Date/Time:		Date/Time:	

Lab Forms
Ver. 2016-06-27

CHAIN OF CUSTODY

ENVIRONMENTAL LABORATORIES

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services@AQenvlabs.com

Company: Alta Environmental/NV5
Project Number: RSCC-24-12223
Project Name:

(Lab) Order No. 2458482

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
8611	Rolled on roof core - Layer 2	NA	5/4/2024	NA / ----------	NA	NA
8612	Rolled on roof core - Layer 3	NA	5/4/2024	NA / ----------	NA	NA

Relinquished By:	Received By:
Printed Name: Eric Flom	Printed Name: Jackie Tayag
Date/Time: 5-5-24 1200	Date/Time: 5/6/24 0800
Relinquished By:	Received By:
Printed Name	Printed Name
Date/Time:	Date/Time:

ENVIRONMENTAL LABORATORIES LLC

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Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458444

Project Number RSCC-24-12223
Project Name Building D
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 20

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

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458444-001						
8075	Roof mastic, White/ Black, Non-homogeneous	LAYER 1 100%	Bituminous Matrix Binder/Filler	85% 15%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458444-002						
8076	Roof mastic, White/Silver/ Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Metallic Paint Bituminous Matrix Binder/Filler	<1% 10% 50% 37%	Chrysotile	3%
	Asbestos Present: Yes		Total % Non-Asbestos:	97.0%	**Total %Asbestos:**	**3.0%**
2458444-003						
8077	Roof mastic, White/Silver/ Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Bituminous Matrix Binder/Filler	20% 5% 60% 15%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458444-004						
8078	Rolled on roof core - Layer 1, White/Silver/Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Synthetic Fiber Metallic Paint Bituminous Matrix Binder/Filler	5% 10% 10% 5% 40% 30%	Chrysotile	<1%
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**
2458444-005						
8079	Rolled on roof core - Layer 2, White/Silver/Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Metallic Paint Bituminous Matrix/Filler	15% 10% 5% 70%	Chrysotile	<1%
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**

ENVIRONMENTAL LABORATORIES LLC

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Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458444

Project Number RSCC-24-12223
Project Name Building D
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 20

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

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458444-006						
8080	Rolled on roof core - Layer 3, Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Quartz/Gravel Bituminous Matrix	30% 30% 40%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458444-007						
8081	Rolled on roof core - Layer 4, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Bituminous Matrix/Filler	5% 10% 85%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458444-008						
8082	Rolled on roof core - Layer 5, Black, Homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix	5% 95%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458444-009						
8083	Rolled on roof core - Layer 1, White/ Black, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Fibrous Glass Metallic Paint Bituminous Matrix Binder/Filler	30% 5% 5% 45% 15%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458444-010						
8084	Rolled on roof core - Layer 2, Silver/ Black, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Metallic Paint Bituminous Matrix	40% 10% 50%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458444-011						
8085	Rolled on roof core - Layer 3, Silver/ Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Metallic Paint Bituminous Matrix	30% 5% 65%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Attn.: Eric Fleming

Report Number 2458444

Project Number RSCC-24-12223
Project Name Building D
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 20

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

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458444-012						
8086	Rolled on roof core - Layer 4, Black, Homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix	20% 80%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458444-013						
8087	Rolled on roof core - Layer 5, Beige, Non-homogeneous	LAYER 1 100%	Fibrous Glass Quartz/Gravel Bituminous Matrix/Filler	15% 35% 50%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458444-014						
8088	Rolled on roof core - Layer 6, Black	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	40% 60%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458444-015						
8089	Rolled on roof core - Layer 7, Black/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	20% 50%	Chrysotile	30%
	Asbestos Present: Yes		Total % Non-Asbestos:	70.0%	**Total %Asbestos:**	**30.0%**
2458444-016						
8090	Rolled on roof core - Layer 1, White/Black/Silver, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Fibrous Glass Metallic Paint Bituminous Matrix Binder/Filler	25% 10% 10% 40% 15%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458444-017						
8091	Rolled on roof core - Layer 2, Silver/ Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Metallic Paint Bituminous Matrix	35% 15% 50%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Sampled By
Total Samples 20

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

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458444-018						
8092	Rolled on roof core - Layer 3, Black, Homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix	20% 80%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458444-019						
8093	Rolled on roof core - Layer 4, Gray, Non-homogeneous	LAYER 1 100%	Fibrous Glass Quartz/Gravel Bituminous Matrix/Filler	15% 40% 45%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458444-020						
8094	Rolled on roof core - Layer 5, Brown/Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	20% 50%	Chrysotile	30%
	Asbestos Present: Yes		Total % Non-Asbestos:	70.0%	**Total %Asbestos:**	**30.0%**

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2 Day	☐	USPS	☐	Fax	☐
3 Day	☐	Drop Off	☑	Verbal	☐
5 Day	☐	Drop Box	☐	Mail	☐
Weekend	☐	Other	☐	Pick up	☐

Special Instructions:

PROJECT INFORMATION

Project Name:	Building D	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
8075	White/black roof mastic	NA	5/4/2024	NA / ----------	NA	NA
8076	White/black roof mastic	NA	5/4/2024	NA / ----------	NA	NA
8077	White/black roof mastic	NA	5/4/2024	NA / ----------	NA	NA
8078	Rolled on roof core - Layer 1	NA	5/4/2024	NA / ----------	NA	NA
8079	Rolled on roof core - Layer 2	NA	5/4/2024	NA / ----------	NA	NA
8080	Rolled on roof core - Layer 3	NA	5/4/2024	NA / ----------	NA	NA
8081	Rolled on roof core - Layer 4	NA	5/4/2024	NA / ----------	NA	NA
8082	Rolled on roof core - Layer 5	NA	5/4/2024	NA / ----------	NA	NA
8083	Rolled on roof core - Layer 1	NA	5/4/2024	NA / ----------	NA	NA
8084	Rolled on roof core - Layer 2	NA	5/4/2024	NA / ----------	NA	NA

Relinquished By:	[signature]	Received By:	[signature]
Printed Name	Eric Fleming	Printed Name	Jackie Tayag
Date/Time:	5-5-24 12:00	Date/Time:	5/6/24 0800
Relinquished By:		Received By:	
Printed Name		Printed Name	
Date/Time:		Date/Time:	

Lab Forms
Ver. 2016-06-27

CHAIN OF CUSTODY

ENVIRONMENTAL LABORATORIES

1508 E. 33rd Street
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services@AQenvlabs.com

Company: Alta Environmental/NV5
Project Number: RSCC-24-12223
Project Name:

(Lab) Order No. 2458444

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
8085	Rolled on roof core - Layer 3	NA	5/4/2024	NA / ----------	NA	NA
8086	Rolled on roof core - Layer 4	NA	5/4/2024	NA / ----------	NA	NA
8087	Rolled on roof core - Layer 5	NA	5/4/2024	NA / ----------	NA	NA
8088	Rolled on roof core - Layer 6	NA	5/4/2024	NA / ----------	NA	NA
8089	Rolled on roof core - Layer 7	NA	5/4/2024	NA / ----------	NA	NA
8090	Rolled on roof core - Layer 1	NA	5/4/2024	NA / ----------	NA	NA
8091	Rolled on roof core - Layer 2	NA	5/4/2024	NA / ----------	NA	NA
8092	Rolled on roof core - Layer 3	NA	5/4/2024	NA / ----------	NA	NA
8093	Rolled on roof core - Layer 4	NA	5/4/2024	NA / ----------	NA	NA
8094	Rolled on roof core - Layer 5	NA	5/4/2024	NA / ----------	NA	NA
				/ ----------		
				/ ----------		
				/ ----------		
				/ ----------		
				/ ----------		
				/ ----------		
				/ ----------		
				/ ----------		
				/ ----------		
				/ ----------		

Relinquished By: [signature]	Received By: [signature]
Printed Name Eric Flores	Printed Name Jackie Tran
Date/Time: 5-5-24 1200	Date/Time: 5/6/24 0800
Relinquished By:	Received By:
Printed Name	Printed Name
Date/Time:	Date/Time:

ENVIRONMENTAL LABORATORIES LLC

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Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458477

Project Number RSCC-24-12223
Project Name Building D 106 & 107
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 6

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

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458477-001						
8571	Roof core, White/ Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Binder/Filler	<1% 80% 20%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458477-002						
8572	Roof core, White/ Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Binder/Filler	30% 40% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458477-003						
8573	Roof core, White/ Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Binder/Filler	20% 20% 60%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458477-004						
8574	Mastic, White/ Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Binder/Filler	10% 50% 40%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458477-005						
8575	Mastic, White/ Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Binder/Filler	5% 50% 45%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458477-006						
8576	Mastic, White/ Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Binder/Filler	15% 45% 40%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

ENVIRONMENTAL LABORATORIES LLC

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Signal Hill, CA 90755
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Fax: 562-206-2773

Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458477

Project Number RSCC-24-12223
Project Name Building D 106 & 107
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 6

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

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Cristina E Tabatt

Analyst - Cristina Tabatt

Cristina E Tabatt

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

AQ ENVIRONMENTAL LABORATORIES

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CHAIN OF CUSTODY

(Lab) Order No. 2458477

CUSTOMER INFORMATION	
Company	NV5
Address	3777 Long Beach Blvd., Annex Bldg.
City/State/Zip	Long Beach, Ca 90807
Contact	Eric J. Fleming
Office Phone	562-495-5777
Cell	
Fax	562-495-5877
Email	eric.fleming@nv5.com

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

Special Instructions:

PROJECT INFORMATION

Project Name:	Building D106&107	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
8571	Roof core	NA	5/4/2024	NA / ----------	NA	NA
8572	Roof core	NA	5/4/2024	NA / ----------	NA	NA
8573	Roof core	NA	5/4/2024	NA / ----------	NA	NA
8574	White and black mastic	NA	5/4/2024	NA / ----------	NA	NA
8575	White and black mastic	NA	5/4/2024	NA / ----------	NA	NA
8576	White and black mastic	NA	5/4/2024	NA / ----------	NA	NA

Relinquished By:		Received By:	
Printed Name	Eric Flemi	Printed Name	Jackie Tsang
Date/Time:	5-5-24 12a	Date/Time:	5/6/24 0800
Relinquished By:		Received By:	
Printed Name		Printed Name	
Date/Time:		Date/Time:	

ENVIRONMENTAL LABORATORIES LLC

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Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458478

Project Number RSCC-24-12223
Project Name Building D108
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 6

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

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458478-001						
8577	Roof core, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	10% 60% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458478-002						
8578	Roof core, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	10% 60% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458478-003						
8579	Roof core, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	10% 60% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458478-004						
8580	Mastic, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix OtHer Non-Fibrous Material	15% 35% 50%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458478-005						
8581	Mastic, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix OtHher Non-Fibrous Material	5% 65% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458478-006						
8582	Mastic, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix OtHher Non-Fibrous Material	15% 35% 50%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

ENVIRONMENTAL LABORATORIES LLC

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Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458478

Project Number RSCC-24-12223
Project Name Building D108
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 6

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

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

CHAIN OF CUSTODY

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(Lab) Order No. 2458478

CUSTOMER INFORMATION	
Company	NV5
Address	3777 Long Beach Blvd., Annex Bldg.
City/State/Zip	Long Beach, Ca 90807
Contact	Eric J. Fleming
Office Phone	562-495-5777
Cell	
Fax	562-495-5877
Email	eric.fleming@nv5.com

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

Special Instructions:

PROJECT INFORMATION

Project Name:	Building D108	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
8577	Roof core	NA	5/4/2024	NA /	NA	NA
8578	Roof core	NA	5/4/2024	NA /	NA	NA
8579	Roof core	NA	5/4/2024	NA /	NA	NA
8580	White and black mastic	NA	5/4/2024	NA /	NA	NA
8581	White and black mastic	NA	5/4/2024	NA /	NA	NA
8582	White and black mastic	NA	5/4/2024	NA /	NA	NA
				/		
				/		
				/		
				/		

Relinquished By:		Received By:	
Printed Name	Eric Fleming	Printed Name	Jackie Tayag
Date/Time:	5-5-24 12a	Date/Time:	5/6/24 0800
Relinquished By:		Received By:	
Printed Name		Printed Name	
Date/Time:		Date/Time:	

Lab Forms
Ver. 2016-06-27

ENVIRONMENTAL LABORATORIES LLC

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Fax: 562-206-2773

Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458479

Project Number RSCC-24-12223
Project Name Building D109
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/08/2024
Date Reported 05/08/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 6

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

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458479-001						
8583	Roof core, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	10% 65% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458479-002						
8584	Roof core, White/Black, Non-homogeneous	LAYER 1 100%	Bituminous Matrix Other Non-Fibrous Material	65% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458479-003						
8585	Roof core, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	10% 70% 10%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458479-004						
8586	Mastic, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	15% 25% 60%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458479-005						
8587	Mastic, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	5% 20% 75%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458479-006						
8588	Mastic, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	15% 25% 60%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

ENVIRONMENTAL LABORATORIES LLC

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Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458479

Project Number RSCC-24-12223
Project Name Building D109
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/08/2024
Date Reported 05/08/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 6

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

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

CHAIN OF CUSTODY

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(Lab) Order No. 2458479

CUSTOMER INFORMATION	
Company	NV5
Address	3777 Long Beach Blvd., Annex Bldg.
City/State/Zip	Long Beach, Ca 90807
Contact	Eric J. Fleming
Office Phone	562-495-5777
Cell	
Fax	562-495-5877
Email	eric.fleming@nv5.com

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

Special Instructions:

PROJECT INFORMATION

Project Name:	Building D109	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
8583	Roof core	NA	5/4/2024	NA /	NA	NA
8584	Roof core	NA	5/4/2024	NA /	NA	NA
8585	Roof core	NA	5/4/2024	NA /	NA	NA
8586	White and black mastic	NA	5/4/2024	NA /	NA	NA
8587	White and black mastic	NA	5/4/2024	NA /	NA	NA
8588	White and black mastic	NA	5/4/2024	NA /	NA	NA
				/		
				/		
				/		
				/		

Relinquished By:	[signature]	Received By:	[signature]
Printed Name	Eric Fleming	Printed Name	Jackie Tayag
Date/Time:	5-5-24 12:00	Date/Time:	5/6/24 0800
Relinquished By:		Received By:	
Printed Name		Printed Name	
Date/Time:		Date/Time:	

Lab Forms
Ver. 2016-06-27

ENVIRONMENTAL LABORATORIES LLC

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

Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458445

Project Number RSCC-24-12223
Project Name Building D110
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 6

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

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458445-001						
8095	Roof core, White/ Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Binder/Filler	<1% 70% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458445-002						
8096	Roof core, White/ Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Binder/Filler	5% 70% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458445-003						
8097	Roof core, White/ Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Binder/Filler	5% 65% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458445-004						
8098	Mastic, White/ Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Binder/Filler	10% 50% 40%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458445-005						
8099	Mastic, White/ Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Binder/Filler	20% 60% 20%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458445-006						
8100	Mastic, White/ Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Binder/Filler	40% 40% 20%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

ENVIRONMENTAL LABORATORIES LLC

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

Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458445

Project Number RSCC-24-12223
Project Name Building D110
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 6

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

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Cristina E Tabatt

Analyst - Cristina Tabatt

Cristina E Tabatt

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

CHAIN OF CUSTODY

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(Lab) Order No. 2458445

CUSTOMER INFORMATION	
Company	NV5
Address	3777 Long Beach Blvd., Annex Bldg.
City/State/Zip	Long Beach, Ca 90807
Contact	Eric J. Fleming
Office Phone	562-495-5777
Cell	
Fax	562-495-5877
Email	eric.fleming@nv5.com

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

Special Instructions:

PROJECT INFORMATION

Project Name:	Building D110	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
8095	Roof core	NA	5/4/2024	NA /	NA	NA
8096	Roof core	NA	5/4/2024	NA /	NA	NA
8097	Roof core	NA	5/4/2024	NA /	NA	NA
8098	White and black mastic	NA	5/4/2024	NA /	NA	NA
8099	White and black mastic	NA	5/4/2024	NA /	NA	NA
8100	White and black mastic	NA	5/4/2024	NA /	NA	NA
				/		
				/		
				/		
				/		

Relinquished By:	[signature]	Received By:	[signature]
Printed Name	Eric Flem.	Printed Name	Jackie Tsang
Date/Time:	5-5-24 12:0	Date/Time:	5/6/24 0800
Relinquished By:		Received By:	
Printed Name		Printed Name	
Date/Time:		Date/Time:	

ENVIRONMENTAL LABORATORIES LLC

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Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458481

Project Number RSCC-24-12223
Project Name Building D111
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 6

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

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458481-001						
8595	Roof core, White/Black, Homogeneous	LAYER 1	Fibrous Glass	10%	None Detected	
		100%	Bituminous Matrix	60%		
			Other Non-Fibrous Material	30%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458481-002						
8596	Roof core, White/Black, Homogeneous	LAYER 1	Fibrous Glass	10%	None Detected	
		100%	Bituminous Matrix	60%		
			Other Non-Fibrous Material	30%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458481-003						
8597	Roof core, White/Black, Homogeneous	LAYER 1	Fibrous Glass	10%	None Detected	
		100%	Bituminous Matrix	60%		
			Other Non-Fibrous Material	30%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458481-004						
8598	Mastic, White/Black, Non-homogeneous	LAYER 1	Fibrous Glass	30%	None Detected	
		100%	BiTnder/Filler	30%		
			OtHher Non-Fibrous Material	40%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458481-005						
8599	Mastic, White/Black, Non-homogeneous	LAYER 1	Fibrous Glass	30%	None Detected	
		100%	BiTnder/Filler	30%		
			OtHher Non-Fibrous Material	40%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458481-006						
8600	Mastic, White/Black, Non-homogeneous	LAYER 1	Fibrous Glass	30%	None Detected	
		100%	BiTnder/Filler	30%		
			OtHher Non-Fibrous Material	40%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

ENVIRONMENTAL LABORATORIES LLC

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Signal Hill, CA 90755
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Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458481

Project Number RSCC-24-12223
Project Name Building D111
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 6

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

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

CHAIN OF CUSTODY

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(Lab) Order No. 2458481

CUSTOMER INFORMATION		Turnaround Time		Shipped By		Report Send Via:	
Company	NV5	Same Day	☐	FedEx	☐	Web	☐
Address	3777 Long Beach Blvd., Annex Bldg.	1 Day	☑	UPS	☐	Email	☑
City/State/Zip	Long Beach, Ca 90807	2 Day	☐	USPS	☐	Fax	☐
Contact	Eric J. Fleming	3 Day	☐	Drop Off	☑	Verbal	☐
Office Phone	562-495-5777	5 Day	☐	Drop Box	☐	Mail	☐
Cell		Weekend	☐	Other	☐	Pick up	☐
Fax	562-495-5877	Special Instructions:					
Email	eric.fleming@nv5.com						

PROJECT INFORMATION

Project Name:	Building D111	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
8595	Roof core	NA	5/4/2024	NA /	NA	NA
8596	Roof core	NA	5/4/2024	NA /	NA	NA
8597	Roof core	NA	5/4/2024	NA /	NA	NA
8598	White and black mastic	NA	5/4/2024	NA /	NA	NA
8599	White and black mastic	NA	5/4/2024	NA /	NA	NA
8600	White and black mastic	NA	5/4/2024	NA /	NA	NA
				/		
				/		
				/		
				/		

Relinquished By:	[signature]	Received By:	[signature]
Printed Name	Eric Fleming	Printed Name	Jackie Tang
Date/Time:	5-5-24 12:4	Date/Time:	5/6/24 0800
Relinquished By:		Received By:	
Printed Name		Printed Name	
Date/Time:		Date/Time:	

Lab Forms
Ver. 2016-06-27

ENVIRONMENTAL LABORATORIES LLC

1508 East 33rd Street
Signal Hill, CA 90755
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Fax: 562-206-2773

Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458480

Project Number RSCC-24-12223
Project Name Building D112
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 6

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

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458480-001						
8589	Roof core, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	10% 60% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458480-002						
8590	Roof core, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	10% 60% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458480-003						
8591	Roof core, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	15% 55% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458480-004						
8592	Mastic, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	35% 35% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458480-005						
8593	Mastic, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	40% 35% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458480-006						
8594	Mastic, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	40% 35% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

ENVIRONMENTAL LABORATORIES LLC

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Fax: 562-206-2773

Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458480

Project Number RSCC-24-12223
Project Name Building D112
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 6

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

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

CHAIN OF CUSTODY

AQ ENVIRONMENTAL LABORATORIES
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562-206-2773 Fax
services@AQenvlabs.com

(Lab) Order No. 2458480

CUSTOMER INFORMATION		Turnaround Time		Shipped By		Report Send Via:	
Company	NV5	Same Day	☐	FedEx	☐	Web	☐
Address	3777 Long Beach Blvd., Annex Bldg.	1 Day	☑	UPS	☐	Email	☑
City/State/Zip	Long Beach, Ca 90807	2 Day	☐	USPS	☑	Fax	☐
Contact	Eric J. Fleming	3 Day	☐	Drop Off	☐	Verbal	☐
Office Phone	562-495-5777	5 Day	☐	Drop Box	☐	Mail	☐
Cell		Weekend	☐	Other	☐	Pick up	☐
Fax	562-495-5877	Special Instructions:					
Email	eric.fleming@nv5.com						

PROJECT INFORMATION

Project Name:	Building D112	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
8589	Roof core	NA	5/4/2024	NA / ----------	NA	NA
8590	Roof core	NA	5/4/2024	NA / ----------	NA	NA
8591	Roof core	NA	5/4/2024	NA / ----------	NA	NA
8592	White and black mastic	NA	5/4/2024	NA / ----------	NA	NA
8593	White and black mastic	NA	5/4/2024	NA / ----------	NA	NA
8594	White and black mastic	NA	5/4/2024	NA / ----------	NA	NA
				/ ----------		
				/ ----------		
				/ ----------		
				/ ----------		

Relinquished By:	[signature]	Received By:	[signature]
Printed Name	Eric Fleming	Printed Name	Jackie Tryon
Date/Time:	5-5-24 12:00	Date/Time:	5/6/24 0800
Relinquished By:		Received By:	
Printed Name		Printed Name	
Date/Time:		Date/Time:	

ENVIRONMENTAL LABORATORIES LLC

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

Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458469

Project Number RSCC-24-12223
Project Name Building E
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 25

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

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458469-001						
8101	Roof mastic, White/Silver/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	5% 80% 15%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458469-002						
8102	Roof mastic, White/Silver/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	5% 80% 15%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458469-003						
8103	Roof mastic, White/Silver/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	5% 82% 10%	Chrysotile	3%
	Asbestos Present: Yes		Total % Non-Asbestos:	97.0%	**Total %Asbestos:**	**3.0%**
2458469-004						
8104	Roof mastic, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler	10% 90%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458469-005						
8105	Roof mastic, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler	10% 90%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458469-006						
8106	Roof mastic, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler	10% 90%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

ENVIRONMENTAL LABORATORIES LLC

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Fax: 562-206-2773

Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458469

Project Number RSCC-24-12223
Project Name Building E
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 25

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

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458469-007						
8107	Rolled on roof core - Layer 1, White/Silver/Black, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	25% 10% 40% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458469-008						
8108	Rolled on roof core - Layer 2, Silver/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	15% 80% 5%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458469-009						
8109	Rolled on roof core - Layer 3, Black, Homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler	10% 90%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458469-010						
8110	Rolled on roof core - Layer 4, Black, Homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler	10% 90%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458469-011						
8111	Rolled on roof core - Layer 5, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	15% 65% 20%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458469-012						
8112	Rolled on roof core - Layer 6, Black, Homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler	10% 90%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

ENVIRONMENTAL LABORATORIES LLC

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

Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458469

Project Number RSCC-24-12223
Project Name Building E
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 25

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

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458469-013						
8113	Rolled on roof core - Layer 6, Black, Homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler	10% 90%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458469-014						
8114	Rolled on roof core - Layer 1, White/Silver/Black, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	25% 10% 45% 20%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458469-015						
8115	Rolled on roof core - Layer 2, Silver/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	15% 70% 15%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458469-016						
8116	Rolled on roof core - Layer 3, Black, Homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler	10% 90%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458469-017						
8117	Rolled on roof core - Layer 4, Black, Homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler	10% 90%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458469-018						
8118	Rolled on roof core - Layer 5, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Bituminous Matrix	40% <1% 60%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

ENVIRONMENTAL LABORATORIES LLC

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Signal Hill, CA 90755
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Fax: 562-206-2773

Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458469

Project Number RSCC-24-12223
Project Name Building E
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 25

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

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458469-019						
8119	Rolled on roof core - Layer 6, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	5% 70% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458469-020						
8120	Rolled on roof core - Layer 1, White/Black/Silver, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	25% 10% 45% 20%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458469-021						
8121	Rolled on roof core - Layer 2, Black/Silver, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	10% 85% 5%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458469-022						
8122	Rolled on roof core - Layer 3, Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler	15% 85%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458469-023						
8123	Rolled on roof core - Layer 4, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	50% 25%	Chrysotile	25%
	Asbestos Present: Yes		Total % Non-Asbestos:	75.0%	**Total %Asbestos:**	**25.0%**
2458469-024						
8124	Rolled on roof core - Layer 5, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	15% 60% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Report Number 2458469

Project Number RSCC-24-12223
Project Name Building E
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 25

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

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458469-025						
8125	Rolled on roof core - Layer 6, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	50% 25%	Chrysotile	25%

Asbestos Present: Yes — Total % Non-Asbestos: 75.0% — **Total %Asbestos: 25.0%**

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

CHAIN OF CUSTODY

AQ ENVIRONMENTAL LABORATORIES
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(Lab) Order No. 2458469

CUSTOMER INFORMATION	
Company	NV5
Address	3777 Long Beach Blvd., Annex Bldg.
City/State/Zip	Long Beach, Ca 90807
Contact	Eric J. Fleming
Office Phone	562-495-5777
Cell	
Fax	562-495-5877
Email	eric.fleming@nv5.com

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

Special Instructions:

PROJECT INFORMATION

Project Name:	Building E	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
8101	White and black roof mastic	NA	5/4/2024	NA	NA	NA
8102	White and black roof mastic	NA	5/4/2024	NA	NA	NA
8103	White and black roof mastic	NA	5/4/2024	NA	NA	NA
8104	Black roof mastic	NA	5/4/2024	NA	NA	NA
8105	Black roof mastic	NA	5/4/2024	NA	NA	NA
8106	Black roof mastic	NA	5/4/2024	NA	NA	NA
8107	Rolled on roof core - Layer 1	NA	5/4/2024	NA	NA	NA
8108	Rolled on roof core - Layer 2	NA	5/4/2024	NA	NA	NA
8109	Rolled on roof core - Layer 3	NA	5/4/2024	NA	NA	NA
8110	Rolled on roof core - Layer 4	NA	5/4/2024	NA	NA	NA

Relinquished By:		Received By:	
Printed Name	Eric Fleming	Printed Name	James Tang
Date/Time:	5-5-24 12:00	Date/Time:	5/6/24 0800
Relinquished By:		Received By:	
Printed Name		Printed Name	
Date/Time:		Date/Time:	

CHAIN OF CUSTODY

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Company: Alta Environmental/NV5
Project Number: RSCC-24-12223
Project Name:

(Lab) Order No. 2458469

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
8111	Rolled on roof core - Layer 5	NA	5/4/2024	NA / ----------	NA	NA
8112	Rolled on roof core - Layer 6	NA	5/4/2024	NA / ----------	NA	NA
8113	Rolled on roof core - Layer 7	NA	5/4/2024	NA / ----------	NA	NA
8114	Rolled on roof core - Layer 1	NA	5/4/2024	NA / ----------	NA	NA
8115	Rolled on roof core - Layer 2	NA	5/4/2024	NA / ----------	NA	NA
8116	Rolled on roof core - Layer 3	NA	5/4/2024	NA / ----------	NA	NA
8117	Rolled on roof core - Layer 4	NA	5/4/2024	NA / ----------	NA	NA
8118	Rolled on roof core - Layer 5	NA	5/4/2024	NA / ----------	NA	NA
8119	Rolled on roof core - Layer 6	NA	5/4/2024	NA / ----------	NA	NA
8120	Rolled on roof core - Layer 1	NA	5/4/2024	NA / ----------	NA	NA
8121	Rolled on roof core - Layer 2	NA	5/4/2024	NA / ----------	NA	NA
8122	Rolled on roof core - Layer 3	NA	5/4/2024	NA / ----------	NA	NA
8123	Rolled on roof core - Layer 4	NA	5/4/2024	NA / ----------	NA	NA
8124	Rolled on roof core - Layer 5	NA	5/4/2024	NA / ----------	NA	NA
8125	Rolled on roof core - Layer 6	NA	5/4/2024	NA / ----------	NA	NA
				/ ----------		
				/ ----------		
				/ ----------		
				/ ----------		
				/ ----------		

Relinquished By:	Received By:
Printed Name: Eric Flemis	Printed Name: Jackie Tayag
Date/Time: 5-5-24 1PC	Date/Time: 5/6/24 0800
Relinquished By:	Received By:
Printed Name	Printed Name
Date/Time:	Date/Time:

ENVIRONMENTAL LABORATORIES LLC

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Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458473

Project Number RSCC-24-12223
Project Name Building F
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 25

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

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458473-001						
8129	Roof mastic, White/Silver/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Metallic Paint Binder/Filler	<1% 50% 10% 36%	Chrysotile	4%
	Asbestos Present: Yes		Total % Non-Asbestos:	96.0%	**Total %Asbestos:**	**4.0%**
2458473-002						
8130	Roof mastic, White/Silver/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Metallic Paint Binder/Filler	5% 60% 5% 27%	Chrysotile	3%
	Asbestos Present: Yes		Total % Non-Asbestos:	97.0%	**Total %Asbestos:**	**3.0%**
2458473-003						
8131	Roof mastic, White/Silver/Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Metallic Paint Bituminous Matrix Binder/Filler	15% 10% 45% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458473-004						
8132	Roof mastic, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler	15% 85%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458473-005						
8133	Roof mastic, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler	15% 85%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458473-006						
8134	Roof mastic, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler	15% 85%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458473

Project Number RSCC-24-12223
Project Name Building F
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 25

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

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458473-007						
8135	Rolled on roof core - Layer 1, White/Black/Silver, Non-homogeneous	LAYER 1 100%	Synthetic Fiber	30%	None Detected	
			Fibrous Glass	10%		
			Metallic Paint	10%		
			Bituminous Matrix	40%		
			Binder/Filler	10%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458473-008						
8136	Rolled on roof core - Layer 2, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber	20%	None Detected	
			Bituminous Matrix	80%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458473-009						
8137	Rolled on roof core - Layer 3, Beige, Non-homogeneous	LAYER 1 100%	Fibrous Glass	15%	None Detected	
			Quartz/Gravel	35%		
			Bituminous Matrix/Filler	50%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458473-010						
8138	Rolled on roof core - Layer 4, Black/ Brown, Homogeneous	LAYER 1 100%	Cellulose Fiber	20%	Chrysotile	30%
			Bituminous Matrix	50%		
	Asbestos Present: Yes		Total % Non-Asbestos:	70.0%	**Total %Asbestos:**	**30.0%**
2458473-011						
8139	Rolled on roof core - Layer 5, Black/ Brown, Homogeneous	LAYER 1 100%	Cellulose Fiber	20%	Chrysotile	30%
			Bituminous Matrix	50%		
	Asbestos Present: Yes		Total % Non-Asbestos:	70.0%	**Total %Asbestos:**	**30.0%**
2458473-012						
8140	Rolled on roof core - Layer 1, White/Black/Silver, Non-homogeneous	LAYER 1 100%	Synthetic Fiber	30%	None Detected	
			Fibrous Glass	5%		
			Bituminous Matrix	40%		
			Metallic Paint	5%		
			Binder/Filler	20%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

ENVIRONMENTAL LABORATORIES LLC

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Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458473

Project Number RSCC-24-12223
Project Name Building F
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 25

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

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458473-013						
8141	Rolled on roof core - Layer 2, Silver/ Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Metallic Paint Bituminous Matrix	20% 5% 75%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458473-014						
8142	Rolled on roof core - Layer 3, Black, Homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix	20% 80%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458473-015						
8143	Rolled on roof core - Layer 4, Black, Homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix	20% 80%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458473-016						
8144	Rolled on roof core - Layer 5, Gray	LAYER 1 100%	Fibrous Glass Quartz/Gravel Bituminous Matrix/Filler	20% 35% 45%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458473-017						
8145	Rolled on roof core - Layer 6, Black/ Brown, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	20% 50%	Chrysotile	30%
	Asbestos Present: Yes		Total % Non-Asbestos:	70.0%	**Total %Asbestos:**	**30.0%**
2458473-018						
8146	Rolled on roof core - Layer 7, Black/ Brown, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	20% 50%	Chrysotile	30%
	Asbestos Present: Yes		Total % Non-Asbestos:	70.0%	**Total %Asbestos:**	**30.0%**

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Report Number 2458473

Project Number RSCC-24-12223
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Date Sampled 05/04/2024
Sampled By
Total Samples 25

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

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458473-019						
8147	Rolled on roof core - Layer 1, White/Silver/Black, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Metallic Paint Bituminous Matrix Binder/Filler	40% 5% 35% 20%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458473-020						
8148	Rolled on roof core - Layer 2, Silver/ Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Metallic Paint Bituminous Matrix	15% 5% 80%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458473-021						
8149	Rolled on roof core - Layer 3, Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix	20% 80%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458473-022						
8150	Rolled on roof core - Layer 4, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	40% 60%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458473-023						
8151	Rolled on roof core - Layer 5, Gray, Non-homogeneous	LAYER 1 100%	Fibrous Glass Quartz/Gravel Bituminous Matrix/Filler	20% 40% 40%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458473-024						
8152	Rolled on roof core - Layer 6, Gray, Non-homogeneous	LAYER 1 100%	Fibrous Glass Quartz/Gravel Bituminous Matrix/Filler	15% 40% 45%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458473

Project Number RSCC-24-12223
Project Name Building F
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 25

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

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458473-025						
8153	Rolled on roof core - Layer 7, Black/ Brown, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	20% 50%	Chrysotile	30%

Asbestos Present: Yes Total % Non-Asbestos: 70.0% **Total %Asbestos: 30.0%**

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Cristina E Tabatt
Analyst - Cristina Tabatt

Cristina E Tabatt
Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

CHAIN OF CUSTODY

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(Lab) Order No. 2458473

CUSTOMER INFORMATION		Turnaround Time		Shipped By		Report Send Via:	
Company	NV5	Same Day	☐	FedEx	☐	Web	☐
Address	3777 Long Beach Blvd., Annex Bldg.	1 Day	☑	UPS	☐	Email	☑
City/State/Zip	Long Beach, Ca 90807	2 Day	☐	USPS	☐	Fax	☐
Contact	Eric J. Fleming	3 Day	☐	Drop Off	☑	Verbal	☐
Office Phone	562-495-5777	5 Day	☐	Drop Box	☐	Mail	☐
Cell		Weekend	☐	Other	☐	Pick up	☐
Fax	562-495-5877	Special Instructions:					
Email	eric.fleming@nv5.com						

PROJECT INFORMATION

Project Name:	Building F	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
8129	White and black roof mastic	NA	5/4/2024	NA	NA	NA
8130	White and black roof mastic	NA	5/4/2024	NA	NA	NA
8131	White and black roof mastic	NA	5/4/2024	NA	NA	NA
8132	Black roof mastic	NA	5/4/2024	NA	NA	NA
8133	Black roof mastic	NA	5/4/2024	NA	NA	NA
8134	Black roof mastic	NA	5/4/2024	NA	NA	NA
8135	Rolled on roof core - Layer 1	NA	5/4/2024	NA	NA	NA
8136	Rolled on roof core - Layer 2	NA	5/4/2024	NA	NA	NA
8137	Rolled on roof core - Layer 3	NA	5/4/2024	NA	NA	NA
8138	Rolled on roof core - Layer 4	NA	5/4/2024	NA	NA	NA

Relinquished By:		Received By:	
Printed Name	Eric Fleming	Printed Name	Jackie Tayag
Date/Time:	5-5-24 1200	Date/Time:	5/6/24 0800
Relinquished By:		Received By:	
Printed Name		Printed Name	
Date/Time:		Date/Time:	

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CHAIN OF CUSTODY

AQ ENVIRONMENTAL LABORATORIES

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

Company: Alta Environmental/NV5
Project Number: RSCC-24-12223
Project Name:

(Lab) Order No. 2458473

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
8139	Rolled on roof core - Layer 5	NA	5/4/2024	NA / ----------	NA	NA
8140	Rolled on roof core - Layer 1	NA	5/4/2024	NA / ----------	NA	NA
8141	Rolled on roof core - Layer 2	NA	5/4/2024	NA / ----------	NA	NA
8142	Rolled on roof core - Layer 3	NA	5/4/2024	NA / ----------	NA	NA
8143	Rolled on roof core - Layer 4	NA	5/4/2024	NA / ----------	NA	NA
8144	Rolled on roof core - Layer 5	NA	5/4/2024	NA / ----------	NA	NA
8145	Rolled on roof core - Layer 6	NA	5/4/2024	NA / ----------	NA	NA
8146	Rolled on roof core - Layer 7	NA	5/4/2024	NA / ----------	NA	NA
8147	Rolled on roof core - Layer 1	NA	5/4/2024	NA / ----------	NA	NA
8148	Rolled on roof core - Layer 2	NA	5/4/2024	NA / ----------	NA	NA
8149	Rolled on roof core - Layer 3	NA	5/4/2024	NA / ----------	NA	NA
8150	Rolled on roof core - Layer 4	NA	5/4/2024	NA / ----------	NA	NA
8151	Rolled on roof core - Layer 5	NA	5/4/2024	NA / ----------	NA	NA
8152	Rolled on roof core - Layer 6	NA	5/4/2024	NA / ----------	NA	NA
8153	Rolled on roof core - Layer 7	NA	5/4/2024	NA / ----------	NA	NA
				/ ----------		
				/ ----------		
				/ ----------		
				/ ----------		
				/ ----------		

Relinquished By:	Received By:
Printed Name: Eric Flores	Printed Name: Jackie Tenney
Date/Time: 5-5-24 18a	Date/Time: 5/6/24 0800
Relinquished By:	Received By:
Printed Name	Printed Name
Date/Time:	Date/Time:

Lab Forms
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ENVIRONMENTAL LABORATORIES LLC

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

Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458471

Project Number RSCC-24-12223
Project Name Building G
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/07/2024
Date Reported 05/07/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 3

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

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458471-001						
8126	Roof core, White/ Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Binder/Filler	15% 55% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458471-002						
8127	Roof core, White/ Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Binder/Filler	15% 60% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458471-003						
8128	Roof core, White/ Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Binder/Filler	20% 60% 20%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Cristina E Tabatt
Analyst - Cristina Tabatt

Cristina E Tabatt
Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

CHAIN OF CUSTODY

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

(Lab) Order No. 2458471

CUSTOMER INFORMATION		Turnaround Time	Shipped By	Report Send Via:
Company	NV5	Same Day ☐	FedEx ☐	Web ☐
Address	3777 Long Beach Blvd., Annex Bldg.	1 Day ☑	UPS ☐	Email ☑
City/State/Zip	Long Beach, Ca 90807	2 Day ☐	USPS ☐	Fax ☐
Contact	Eric J. Fleming	3 Day ☐	Drop Off ☑	Verbal ☐
Office Phone	562-495-5777	5 Day ☐	Drop Box ☐	Mail ☐
Cell		Weekend ☐	Other ☐	Pick up ☐
Fax	562-495-5877	Special Instructions:		
Email	eric.fleming@nv5.com			

PROJECT INFORMATION

Project Name:	Building G	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
8126	Roof core	NA	5/4/2024	NA /	NA	NA
8127	Roof core	NA	5/4/2024	NA /	NA	NA
8128	Roof core	NA	5/4/2024	NA /	NA	NA
				/		
				/		
				/		
				/		
				/		
				/		
				/		

Relinquished By:	[signature]	Received By:	[signature]
Printed Name	Eric Fleming	Printed Name	Jackie Tayag
Date/Time:	5-5-24 12:00	Date/Time:	5/6/24 0800
Relinquished By:		Received By:	
Printed Name		Printed Name	
Date/Time:		Date/Time:	

ENVIRONMENTAL LABORATORIES LLC

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

Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458483

Project Number RSCC-24-12223
Project Name Sheds
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/08/2024
Date Reported 05/08/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 6

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

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2458483-001						
8613	Rolled on roof core - Layer 1, Grey/Black, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Bituminous Matrix Other Non-Fibrous Material	30% 50% 20%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458483-002						
8614	Rolled on roof core - Layer 2, Black, Non-homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	95%	Chrysotile	5%
	Asbestos Present: Yes		Total % Non-Asbestos:	95.0%	**Total %Asbestos:**	**5.0%**
2458483-003						
8615	Rolled on roof core - Layer 1, Grey/Black, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Bituminous Matrix Other Non-Fibrous Material	30% 50% 20%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458483-004						
8616	Rolled on roof core - Layer 2, Black, Non-homogeneous	LAYER 1 100%	Bituminous Matrix/Filler Other Non-Fibrous Material	72% 25%	Chrysotile	3%
	Asbestos Present: Yes		Total % Non-Asbestos:	97.0%	**Total %Asbestos:**	**3.0%**
2458483-005						
8617	Rolled on roof core - Layer 1, Grey/Black, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Bituminous Matrix Other Non-Fibrous Material	30% 50% 20%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2458483-006						
8618	Rolled on roof core - Layer 2, Black, Homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler	15% 85%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

ENVIRONMENTAL LABORATORIES LLC

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

Alta Environmental
3777 Long Beach Blvd.
Long Beach, CA 90807
Attn.: Eric Fleming

Report Number 2458483

Project Number RSCC-24-12223
Project Name Sheds
Location Santa Ana, CA
PO Number
WO Number

Date Received 05/06/2024
Date Analyzed 05/08/2024
Date Reported 05/08/2024

Date Sampled 05/04/2024
Sampled By
Total Samples 6

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

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

CHAIN OF CUSTODY

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

(Lab) Order No. 2458483

CUSTOMER INFORMATION		Turnaround Time	Shipped By	Report Send Via:
Company	NV5	Same Day ☐	FedEx ☐	Web ☐
Address	3777 Long Beach Blvd., Annex Bldg.	1 Day ☑	UPS ☐	Email ☑
City/State/Zip	Long Beach, Ca 90807	2 Day ☐	USPS ☐	Fax ☐
Contact	Eric J. Fleming	3 Day ☐	Drop Off ☑	Verbal ☐
Office Phone	562-495-5777	5 Day ☐	Drop Box ☐	Mail ☐
Cell		Weekend ☐	Other ☐	Pick up ☐
Fax	562-495-5877	Special Instructions:		
Email	eric.fleming@nv5.com			

PROJECT INFORMATION

Project Name:	Sheds	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
8613	Rolled on roof core - Layer 1	NA	5/4/2024	NA	NA	NA
8614	Rolled on roof core - Layer 2	NA	5/4/2024	NA	NA	NA
8615	Rolled on roof core - Layer 1	NA	5/4/2024	NA	NA	NA
8616	Rolled on roof core - Layer 2	NA	5/4/2024	NA	NA	NA
8617	Rolled on roof core - Layer 1	NA	5/4/2024	NA	NA	NA
8618	Rolled on roof core - Layer 2	NA	5/4/2024	NA	NA	NA

Relinquished By:	[signature]	Received By:	[signature]
Printed Name	Eric Fleming	Printed Name	Jackie Tsang
Date/Time:	5-5-24 12:	Date/Time:	5/6/24 0800
Relinquished By:		Received By:	
Printed Name		Printed Name	
Date/Time:		Date/Time:	

Lab Forms
Ver. 2016-06-27

Lead

ENVIRONMENTAL LABORATORIES

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

Alta Environmental
3777 Long Beach Boulevard
Long Beach, CA 90807
Attention: Eric Fleming

Project Number: RSCC-24-12223
Project Name: Building A
Location: Santa Ana, CA

Report Number: **2458454**

Date Received: 5/6/2024
Date Analyzed: 5/7/2024
Date Reported: 5/7/2024

Date Sampled: 5/4/2024
Sampled By:
Total Samples: 3

Analytical Method: **EPA 7420/3050**
Reporting Limit: **5.0 µg Pb**

Lead (Pb) in Paint by Flame AAS

Lab ID Client ID	Location/Description	Sample Weight (g)	Lead Concentration ppm (mg/kg)
2458454-001 5169	Paint Chip	0.1018	< 49
2458454-002 5170	Paint Chip	0.1025	< 49
2458454-003 5171	Paint Chip	0.1061	< 47

Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. This report shall not be reproduced without the written approval of this laboratory. The client shall be solely responsible for interpreting analytical results. Samples have not been blank corrected. Samples shall be disposed according to local, state and federal laws, 30 days after reporting results.

CA ELAP Cert #2823

Approved Signatory- Cristina E. Tabatt

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Signal Hill, CA 90755
562-206-2770 Tel
562-206-2773 Fax
services@AQenvlabs.com

(Lab) Order No. 2458454

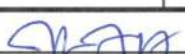
CUSTOMER INFORMATION		Turnaround Time		Shipped By		Report Send Via:	
Company	NV5	Same Day	☐	FedEx	☐	Web	☐
Address	3777 Long Beach Blvd., Annex Bldg.	1 Day	☑	UPS	☐	Email	☑
City/State/Zip	Long Beach, Ca 90807	2 Day	☐	USPS	☐	Fax	☐
Contact	Eric J. Fleming	3 Day	☐	Drop Off	☑	Verbal	☐
Office Phone	562-495-5777	5 Day	☐	Drop Box	☐	Mail	☐
Cell		Weekend	☐	Other	☐	Pick up	☐
Fax	562-495-5877	Special Instructions:					
Email	eric.fleming@nv5.com						

PROJECT INFORMATION

Project Name:	Building A	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
5169	Paint Chip	NA	5/4/2024	NA / ----------	NA	NA
5170	Paint Chip	NA	5/4/2024	NA / ----------	NA	NA
5171	Paint Chip	NA	5/4/2024	NA / ----------	NA	NA
				/ ----------		
				/ ----------		
				/ ----------		
				/ ----------		
				/ ----------		
				/ ----------		
				/ ----------		

Relinquished By:		Received By:	
Printed Name	Eric Fleming	Printed Name	Jackie Tayag
Date/Time:	5-5-24 12a	Date/Time:	5/6/24 0800
Relinquished By:		Received By:	
Printed Name		Printed Name	
Date/Time:		Date/Time:	

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ENVIRONMENTAL LABORATORIES

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

Alta Environmental
3777 Long Beach Boulevard
Long Beach, CA 90807
Attention: Eric Fleming

Project Number: RSCC-24-12223
Project Name: Building B
Location: Santa Ana, CA

Report Number: **2458453**

Date Received: 5/6/2024
Date Analyzed: 5/7/2024
Date Reported: 5/7/2024

Date Sampled: 5/4/2024
Sampled By:
Total Samples: 3

Analytical Method: **EPA 7420/3050**
Reporting Limit: **5.0 µg Pb**

Lead (Pb) in Paint by Flame AAS

Lab ID Client ID	Location/Description	Sample Weight (g)	Lead Concentration ppm (mg/kg)
2458453-001 5166	Paint Chip	0.1031	150
2458453-002 5167	Paint Chip	0.1038	< 48
2458453-003 5168	Paint Chip	0.1005	< 50

CA ELAP Cert #2823

Approved Signatory- Cristina E. Tabatt

CHAIN OF CUSTODY

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

(Lab) Order No. 2458453

CUSTOMER INFORMATION	
Company	NV5
Address	3777 Long Beach Blvd., Annex Bldg.
City/State/Zip	Long Beach, Ca 90807
Contact	Eric J. Fleming
Office Phone	562-495-5777
Cell	
Fax	562-495-5877
Email	eric.fleming@nv5.com

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

Special Instructions:

PROJECT INFORMATION

Project Name:	Building B	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
5166	Paint Chip	NA	5/4/2024	NA /	NA	NA
5167	Paint Chip	NA	5/4/2024	NA /	NA	NA
5168	Paint Chip	NA	5/4/2024	NA /	NA	NA
				/		
				/		
				/		
				/		
				/		
				/		
				/		

Relinquished By:	Received By:
Printed Name: Eric Fleming	Printed Name: Jackie Tsang
Date/Time: 5-5-24 12:4	Date/Time: 5/6/24 0800
Relinquished By:	Received By:
Printed Name	Printed Name
Date/Time:	Date/Time:

ENVIRONMENTAL LABORATORIES

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

Alta Environmental
3777 Long Beach Boulevard
Long Beach, CA 90807
Attention: Eric Fleming

Project Number: RSCC-24-12223
Project Name: Building C
Location: Santa Ana, CA

Report Number: **2458446**

Date Received: 5/6/2024
Date Analyzed: 5/7/2024
Date Reported: 5/7/2024

Date Sampled: 5/4/2024
Sampled By:
Total Samples: 4

Analytical Method: **EPA 7420/3050**
Reporting Limit: **5.0 µg Pb**

Lead (Pb) in Paint by Flame AAS

Lab ID Client ID	Location/Description	Sample Weight (g)	Lead Concentration ppm (mg/kg)
2458446-001 4680	Paint Chip	0.1020	< 49
2458446-002 4681	Paint Chip	0.0890	< 56
2458446-003 4682	Paint Chip	0.1026	< 49
2458446-004 4683	Paint Chip	0.1090	< 46

CA ELAP Cert #2823

Approved Signatory- Cristina E. Tabatt

CHAIN OF CUSTODY

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

(Lab) Order No. 2458446

CUSTOMER INFORMATION		Turnaround Time		Shipped By		Report Send Via:	
Company	NV5	Same Day	☐	FedEx	☐	Web	☐
Address	3777 Long Beach Blvd., Annex Bldg.	1 Day	☑	UPS	☐	Email	☑
City/State/Zip	Long Beach, Ca 90807	2 Day	☐	USPS	☐	Fax	☐
Contact	Eric J. Fleming	3 Day	☐	Drop Off	☑	Verbal	☐
Office Phone	562-495-5777	5 Day	☐	Drop Box	☐	Mail	☐
Cell		Weekend	☐	Other	☐	Pick up	☐
Fax	562-495-5877	Special Instructions:					
Email	eric.fleming@nv5.com						

PROJECT INFORMATION

Project Name:	Building C	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
4680	Paint Chip	NA	5/4/2024	NA / ----------	NA	NA
4681	Paint Chip	NA	5/4/2024	NA / ----------	NA	NA
4682	Paint Chip	NA	5/4/2024	NA / ----------	NA	NA
4683	Paint Chip	NA	5/4/2024	NA / ----------	NA	NA

Relinquished By:	[signature]	Received By:	[signature]
Printed Name	Eric Fleming	Printed Name	Jackie Tsang
Date/Time:	5-5-24 1?6	Date/Time:	5/6/24 0800
Relinquished By:		Received By:	
Printed Name		Printed Name	
Date/Time:		Date/Time:	

Lab Forms
Ver. 2016-06-27

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

Alta Environmental
3777 Long Beach Boulevard
Long Beach, CA 90807
Attention: Eric Fleming

Project Number: RSCC-24-12223
Project Name: Building C110
Location: Santa Ana, CA

Report Number: **2458463**

Date Received: 5/6/2024
Date Analyzed: 5/7/2024
Date Reported: 5/7/2024

Date Sampled: 5/4/2024
Sampled By:
Total Samples: 2

Analytical Method: **EPA 7420/3050**
Reporting Limit: **5.0 µg Pb**

Lead (Pb) in Paint by Flame AAS

Lab ID Client ID	Location/Description	Sample Weight (g)	Lead Concentration ppm (mg/kg)
2458463-001 5190	Paint Chip	0.0532	< 94
2458463-002 5191	Paint Chip	0.0385	< 130

CA ELAP Cert #2823

Approved Signatory- Cristina E. Tabatt

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Signal Hill, CA 90755
562-206-2770 Tel
562-206-2773 Fax
services@AQenvlabs.com

(Lab) Order No. 2458463

CUSTOMER INFORMATION		Turnaround Time		Shipped By		Report Send Via:	
Company	NV5	Same Day	☐	FedEx	☐	Web	☐
Address	3777 Long Beach Blvd., Annex Bldg.	1 Day	☑	UPS	☐	Email	☑
City/State/Zip	Long Beach, Ca 90807	2 Day	☐	USPS	☐	Fax	☐
Contact	Eric J. Fleming	3 Day	☐	Drop Off	☑	Verbal	☐
Office Phone	562-495-5777	5 Day	☐	Drop Box	☐	Mail	☐
Cell		Weekend	☐	Other	☐	Pick up	☐
Fax	562-495-5877	Special Instructions:					
Email	eric.fleming@nv5.com						

PROJECT INFORMATION

Project Name:	Building C110	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
5190	Paint Chip	NA	5/4/2024	NA	NA	NA
5191	Paint Chip	NA	5/4/2024	NA	NA	NA

Relinquished By:	[signature]	Received By:	[signature]
Printed Name	Eric Fleming	Printed Name	Jackie Tzung
Date/Time:	5-5-24 12a	Date/Time:	5/6/24 0800
Relinquished By:		Received By:	
Printed Name		Printed Name	
Date/Time:		Date/Time:	

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Fax (562) 206-2773

Alta Environmental
3777 Long Beach Boulevard
Long Beach, CA 90807
Attention: Eric Fleming

Project Number: RSCC-24-12223
Project Name: Building C111
Location: Santa Ana, CA

Report Number: **2458461**

Date Received: 5/6/2024
Date Analyzed: 5/7/2024
Date Reported: 5/7/2024

Date Sampled: 5/4/2024
Sampled By:
Total Samples: 2

Analytical Method: **EPA 7420/3050**
Reporting Limit: **5.0 µg Pb**

Lead (Pb) in Paint by Flame AAS

Lab ID Client ID	Location/Description	Sample Weight (g)	Lead Concentration ppm (mg/kg)
2458461-001 5186	Paint Chip	0.0770	< 65
2458461-002 5187	Paint Chip	0.0952	< 53

CA ELAP Cert #2823

Approved Signatory- Cristina E. Tabatt

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562-206-2770 Tel
562-206-2773 Fax
services@AQenvlabs.com

(Lab) Order No. 2458461

CUSTOMER INFORMATION	
Company	NV5
Address	3777 Long Beach Blvd., Annex Bldg.
City/State/Zip	Long Beach, Ca 90807
Contact	Eric J. Fleming
Office Phone	562-495-5777
Cell	
Fax	562-495-5877
Email	eric.fleming@nv5.com

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

Special Instructions:

PROJECT INFORMATION

Project Name:	Building C111	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
5186	Paint Chip	NA	5/4/2024	NA /	NA	NA
5187	Paint Chip	NA	5/4/2024	NA /	NA	NA
				/		
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				/		
				/		
				/		
				/		

Relinquished By:	[signature]	Received By:	[signature]
Printed Name	Eric Fleming	Printed Name	Jackie Tayag
Date/Time:	5-5-24 12:00	Date/Time:	5/6/24 0800
Relinquished By:		Received By:	
Printed Name		Printed Name	
Date/Time:		Date/Time:	

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

Alta Environmental
3777 Long Beach Boulevard
Long Beach, CA 90807
Attention: Eric Fleming

Project Number: RSCC-24-12223
Project Name: Building D
Location: Santa Ana, CA

Report Number: **2458448**

Date Received: 5/6/2024
Date Analyzed: 5/7/2024
Date Reported: 5/7/2024

Date Sampled: 5/4/2024
Sampled By:
Total Samples: 3

Analytical Method: **EPA 7420/3050**
Reporting Limit: **5.0 µg Pb**

Lead (Pb) in Paint by Flame AAS

Lab ID Client ID	Location/Description	Sample Weight (g)	Lead Concentration ppm (mg/kg)
2458448-001 4685	Paint Chip	0.1043	< 48
2458448-002 4686	Paint Chip	0.1053	97
2458448-003 4687	Paint Chip	0.1051	< 48

CA ELAP Cert #2823

Approved Signatory- Cristina E. Tabatt

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Signal Hill, CA 90755
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562-206-2773 Fax
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(Lab) Order No. 2458448

CUSTOMER INFORMATION	
Company	NV5
Address	3777 Long Beach Blvd., Annex Bldg.
City/State/Zip	Long Beach, Ca 90807
Contact	Eric J. Fleming
Office Phone	562-495-5777
Cell	
Fax	562-495-5877
Email	eric.fleming@nv5.com

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

Special Instructions:

PROJECT INFORMATION

Project Name:	Building D	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
4685	Paint Chip	NA	5/4/2024	NA / ----------	NA	NA
4686	Paint Chip	NA	5/4/2024	NA / ----------	NA	NA
4687	Paint Chip	NA	5/4/2024	NA / ----------	NA	NA
				/ ----------		
				/ ----------		
				/ ----------		
				/ ----------		
				/ ----------		
				/ ----------		
				/ ----------		

Relinquished By:		Received By:	
Printed Name	Eric Fleming	Printed Name	Jackie Flynn
Date/Time:	5-5-24 12:00	Date/Time:	5/6/24 0800
Relinquished By:		Received By:	
Printed Name		Printed Name	
Date/Time:		Date/Time:	

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Signal Hill, CA 90755
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Fax (562) 206-2773

Alta Environmental
3777 Long Beach Boulevard
Long Beach, CA 90807
Attention: Eric Fleming

Project Number: RSCC-24-12223
Project Name: Building D106 & 107
Location: Santa Ana, CA

Report Number: **2458455**

Date Received: 5/6/2024
Date Analyzed: 5/7/2024
Date Reported: 5/7/2024

Date Sampled: 5/4/2024
Sampled By:
Total Samples: 4

Analytical Method: **EPA 7420/3050**
Reporting Limit: **5.0 µg Pb**

Lead (Pb) in Paint by Flame AAS

Lab ID Client ID	Location/Description	Sample Weight (g)	Lead Concentration ppm (mg/kg)
2458455-001 5172	Paint Chip	0.1003	< 50
2458455-002 5173	Paint Chip	0.1026	< 49
2458455-003 5174	Paint Chip	0.0347	< 140
2458455-004 5175	Paint Chip	0.1021	< 49

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Approved Signatory- Cristina E. Tabatt

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(Lab) Order No. 2458455

CUSTOMER INFORMATION		Turnaround Time	Shipped By	Report Send Via:
Company	NV5	Same Day ☐	FedEx ☐	Web ☐
Address	3777 Long Beach Blvd., Annex Bldg.	1 Day ☑	UPS ☐	Email ☑
City/State/Zip	Long Beach, Ca 90807	2 Day ☐	USPS ☐	Fax ☐
Contact	Eric J. Fleming	3 Day ☐	Drop Off ☑	Verbal ☐
Office Phone	562-495-5777	5 Day ☐	Drop Box ☐	Mail ☐
Cell		Weekend ☐	Other ☐	Pick up ☐
Fax	562-495-5877	Special Instructions:		
Email	eric.fleming@nv5.com			

PROJECT INFORMATION

Project Name:	Building D106&107	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
5172	Paint Chip	NA	5/4/2024	NA /	NA	NA
5173	Paint Chip	NA	5/4/2024	NA /	NA	NA
5174	Paint Chip	NA	5/4/2024	NA /	NA	NA
5175	Paint Chip	NA	5/4/2024	NA /	NA	NA
				/		
				/		
				/		
				/		
				/		
				/		

Relinquished By:	[signature]	Received By:	[signature]
Printed Name	Eric Fleming	Printed Name	Jackie Tayag
Date/Time:	5-5-24 1045	Date/Time:	5/6/24 0800
Relinquished By:		Received By:	
Printed Name		Printed Name	
Date/Time:		Date/Time:	

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Signal Hill, CA 90755
Tel (562) 206-2770
Fax (562) 206-2773

Alta Environmental
3777 Long Beach Boulevard
Long Beach, CA 90807
Attention: Eric Fleming

Project Number: RSCC-24-12223
Project Name: Building D108
Location: Santa Ana, CA

Report Number: **2458456**

Date Received: 5/6/2024
Date Analyzed: 5/7/2024
Date Reported: 5/7/2024

Date Sampled: 5/4/2024
Sampled By:
Total Samples: 3

Analytical Method: **EPA 7420/3050**
Reporting Limit: **5.0 µg Pb**

Lead (Pb) in Paint by Flame AAS

Lab ID Client ID	Location/Description	Sample Weight (g)	Lead Concentration ppm (mg/kg)
2458456-001 5176	Paint Chip	0.1018	< 49
2458456-002 5177	Paint Chip	0.0230	< 220
2458456-003 5178	Paint Chip	0.1028	< 49

CA ELAP Cert #2823

Approved Signatory- Cristina E. Tabatt

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Signal Hill, CA 90755
562-206-2770 Tel
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(Lab) Order No. 2458456

CUSTOMER INFORMATION		Turnaround Time	Shipped By	Report Send Via:
Company	NV5	Same Day ☐	FedEx ☐	Web ☐
Address	3777 Long Beach Blvd., Annex Bldg.	1 Day ☑	UPS ☐	Email ☑
City/State/Zip	Long Beach, Ca 90807	2 Day ☐	USPS ☐	Fax ☐
Contact	Eric J. Fleming	3 Day ☐	Drop Off ☑	Verbal ☐
Office Phone	562-495-5777	5 Day ☐	Drop Box ☐	Mail ☐
Cell		Weekend ☐	Other ☐	Pick up ☐
Fax	562-495-5877	Special Instructions:		
Email	eric.fleming@nv5.com			

PROJECT INFORMATION

Project Name:	Building D108	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
5176	Paint Chip	NA	5/4/2024	NA /	NA	NA
5177	Paint Chip	NA	5/4/2024	NA /	NA	NA
5178	Paint Chip	NA	5/4/2024	NA /	NA	NA
				/		
				/		
				/		
				/		
				/		
				/		
				/		

Relinquished By:	[signature]	Received By:	[signature]
Printed Name	Eric Fleming	Printed Name	Jackie Tayag
Date/Time:	5-5-24 12:00	Date/Time:	5/6/24 0800
Relinquished By:		Received By:	
Printed Name		Printed Name	
Date/Time:		Date/Time:	

ENVIRONMENTAL LABORATORIES

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Signal Hill, CA 90755
Tel (562) 206-2770
Fax (562) 206-2773

Alta Environmental
3777 Long Beach Boulevard
Long Beach, CA 90807
Attention: Eric Fleming

Project Number: RSCC-24-12223
Project Name: Building D109
Location: Santa Ana, CA

Report Number: **2458457**

Date Received: 5/6/2024
Date Analyzed: 5/7/2024
Date Reported: 5/7/2024

Date Sampled: 5/4/2024
Sampled By:
Total Samples: 2

Analytical Method: **EPA 7420/3050**
Reporting Limit: **5.0 µg Pb**

Lead (Pb) in Paint by Flame AAS

Lab ID Client ID	Location/Description	Sample Weight (g)	Lead Concentration ppm (mg/kg)
2458457-001 5179	Paint Chip	0.1020	< 49
2458457-002 5180	Paint Chip	0.0238	< 210

CA ELAP Cert #2823

Approved Signatory- Cristina E. Tabatt

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562-206-2773 Fax
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(Lab) Order No. 2458457

CUSTOMER INFORMATION		Turnaround Time	Shipped By	Report Send Via:
Company	NV5	Same Day ☐	FedEx ☐	Web ☐
Address	3777 Long Beach Blvd., Annex Bldg.	1 Day ☑	UPS ☐	Email ☑
City/State/Zip	Long Beach, Ca 90807	2 Day ☐	USPS ☐	Fax ☐
Contact	Eric J. Fleming	3 Day ☐	Drop Off ☑	Verbal ☐
Office Phone	562-495-5777	5 Day ☐	Drop Box ☐	Mail ☐
Cell		Weekend ☐	Other ☐	Pick up ☐
Fax	562-495-5877	Special Instructions:		
Email	eric.fleming@nv5.com			

PROJECT INFORMATION

Project Name:	Building D109	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
5179	Paint Chip	NA	5/4/2024	NA /	NA	NA
5180	Paint Chip	NA	5/4/2024	NA /	NA	NA
				/		
				/		
				/		
				/		
				/		
				/		
				/		
				/		

Relinquished By:	[signature]	Received By:	[signature]
Printed Name	Eric Fleming	Printed Name	Jackie Tayag
Date/Time:	5-5-24 12:00	Date/Time:	5/6/24 0800
Relinquished By:		Received By:	
Printed Name		Printed Name	
Date/Time:		Date/Time:	

ENVIRONMENTAL LABORATORIES

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Signal Hill, CA 90755
Tel (562) 206-2770
Fax (562) 206-2773

Alta Environmental
3777 Long Beach Boulevard
Long Beach, CA 90807
Attention: Eric Fleming

Project Number: RSCC-24-12223
Project Name: Building D110
Location: Santa Ana, CA

Report Number: **2458449**

Date Received: 5/6/2024
Date Analyzed: 5/7/2024
Date Reported: 5/7/2024

Date Sampled: 5/4/2024
Sampled By:
Total Samples: 3

Analytical Method: **EPA 7420/3050**
Reporting Limit: **5.0 µg Pb**

Lead (Pb) in Paint by Flame AAS

Lab ID Client ID	Location/Description	Sample Weight (g)	Lead Concentration ppm (mg/kg)
2458449-001 4684	Paint Chip	0.1020	< 49
2458449-002 4685	Paint Chip	0.1061	< 47
2458449-003 4686	Paint Chip	0.1039	< 48

CA ELAP Cert #2823

Approved Signatory- Cristina E. Tabatt

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562-206-2770 Tel
562-206-2773 Fax
services@AQenvlabs.com

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(Lab) Order No. 2458449

CUSTOMER INFORMATION		Turnaround Time		Shipped By		Report Send Via:	
Company	NV5	Same Day	☐	FedEx	☐	Web	☐
Address	3777 Long Beach Blvd., Annex Bldg.	1 Day	☑	UPS	☐	Email	☑
City/State/Zip	Long Beach, Ca 90807	2 Day	☐	USPS	☐	Fax	☐
Contact	Eric J. Fleming	3 Day	☐	Drop Off	☑	Verbal	☐
Office Phone	562-495-5777	5 Day	☐	Drop Box	☐	Mail	☐
Cell		Weekend	☐	Other	☐	Pick up	☐
Fax	562-495-5877	Special Instructions:					
Email	eric.fleming@nv5.com						

PROJECT INFORMATION

Project Name:	Building D110	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
4684	Paint Chip	NA	5/4/2024	NA /	NA	NA
4685	Paint Chip	NA	5/4/2024	NA /	NA	NA
4686	Paint Chip	NA	5/4/2024	NA /	NA	NA
				/		
				/		
				/		
				/		
				/		
				/		
				/		

Relinquished By:	[signature]	Received By:	[signature]
Printed Name	Eric Fleming	Printed Name	Jackie Tayag
Date/Time:	5-5-24 12:00	Date/Time:	5/6/24 0800
Relinquished By:		Received By:	
Printed Name		Printed Name	
Date/Time:		Date/Time:	

ENVIRONMENTAL LABORATORIES

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

Alta Environmental
3777 Long Beach Boulevard
Long Beach, CA 90807
Attention: Eric Fleming

Project Number: RSCC-24-12223
Project Name: Building D111
Location: Santa Ana, CA

Report Number: **2458459**

Date Received: 5/6/2024
Date Analyzed: 5/7/2024
Date Reported: 5/7/2024

Date Sampled: 5/4/2024
Sampled By:
Total Samples: 2

Analytical Method: **EPA 7420/3050**
Reporting Limit: **5.0 µg Pb**

Lead (Pb) in Paint by Flame AAS

Lab ID Client ID	Location/Description	Sample Weight (g)	Lead Concentration ppm (mg/kg)
2458459-001 5184	Paint Chip	0.1039	< 48
2458459-002 5185	Paint Chip	0.1055	< 47

CA ELAP Cert #2823

Approved Signatory- Cristina E. Tabatt

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services@AQenvlabs.com

(Lab) Order No. 2458457

CUSTOMER INFORMATION		Turnaround Time	Shipped By	Report Send Via:
Company	NV5	Same Day ☐	FedEx ☐	Web ☐
Address	3777 Long Beach Blvd., Annex Bldg.	1 Day ☑	UPS ☐	Email ☑
City/State/Zip	Long Beach, Ca 90807	2 Day ☐	USPS ☐	Fax ☐
Contact	Eric J. Fleming	3 Day ☐	Drop Off ☑	Verbal ☐
Office Phone	562-495-5777	5 Day ☐	Drop Box ☐	Mail ☐
Cell		Weekend ☐	Other ☐	Pick up ☐
Fax	562-495-5877	Special Instructions:		
Email	eric.fleming@nv5.com			

PROJECT INFORMATION

Project Name:	Building D111	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
5184	Paint Chip	NA	5/4/2024	NA /	NA	NA
5185	Paint Chip	NA	5/4/2024	NA /	NA	NA
				/		
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				/		
				/		

Relinquished By:	[signature]	Received By:	[signature]
Printed Name	Eric Fleming	Printed Name	Jackie Tayag
Date/Time:	5-5-24 12a	Date/Time:	5/6/24 0800
Relinquished By:		Received By:	
Printed Name		Printed Name	
Date/Time:		Date/Time:	

ENVIRONMENTAL LABORATORIES

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

Alta Environmental
3777 Long Beach Boulevard
Long Beach, CA 90807
Attention: Eric Fleming

Project Number: RSCC-24-12223
Project Name: Building D112
Location: Santa Ana, CA

Report Number: **2458458**

Date Received: 5/6/2024
Date Analyzed: 5/7/2024
Date Reported: 5/7/2024

Date Sampled: 5/4/2024
Sampled By:
Total Samples: 3

Analytical Method: **EPA 7420/3050**
Reporting Limit: **5.0 µg Pb**

Lead (Pb) in Paint by Flame AAS

Lab ID Client ID	Location/Description	Sample Weight (g)	Lead Concentration ppm (mg/kg)
2458458-001 5181	Paint Chip	0.1022	< 49
2458458-002 5182	Paint Chip	0.1044	< 48
2458458-003 5183	Paint Chip	0.0208	< 240

CA ELAP Cert #2823

Approved Signatory- Cristina E. Tabatt

CHAIN OF CUSTODY

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

(Lab) Order No. 2458458

CUSTOMER INFORMATION		Turnaround Time	Shipped By	Report Send Via:
Company	NV5	Same Day ☐	FedEx ☐	Web ☐
Address	3777 Long Beach Blvd., Annex Bldg.	1 Day ☑	UPS ☐	Email ☑
City/State/Zip	Long Beach, Ca 90807	2 Day ☐	USPS ☐	Fax ☐
Contact	Eric J. Fleming	3 Day ☐	Drop Off ☑	Verbal ☐
Office Phone	562-495-5777	5 Day ☐	Drop Box ☐	Mail ☐
Cell		Weekend ☐	Other ☐	Pick up ☐
Fax	562-495-5877	Special Instructions:		
Email	eric.fleming@nv5.com			

PROJECT INFORMATION

Project Name:	Building D112	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
5181	Paint Chip	NA	5/4/2024	NA	NA	NA
5182	Paint Chip	NA	5/4/2024	NA	NA	NA
5183	Paint Chip	NA	5/4/2024	NA	NA	NA

Relinquished By:	[signature]	Received By:	[signature]
Printed Name	Eric Fleming	Printed Name	Jackie Tayag
Date/Time:	5-5-24 12:00	Date/Time:	5/6/24 0800
Relinquished By:		Received By:	
Printed Name		Printed Name	
Date/Time:		Date/Time:	

ENVIRONMENTAL LABORATORIES

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

Alta Environmental
3777 Long Beach Boulevard
Long Beach, CA 90807
Attention: Eric Fleming

Project Number: RSCC-24-12223
Project Name: Building E
Location: Santa Ana, CA

Report Number: **2458450**

Date Received: 5/6/2024
Date Analyzed: 5/7/2024
Date Reported: 5/7/2024

Date Sampled: 5/4/2024
Sampled By:
Total Samples: 3

Analytical Method: **EPA 7420/3050**
Reporting Limit: **5.0 µg Pb**

Lead (Pb) in Paint by Flame AAS

Lab ID Client ID	Location/Description	Sample Weight (g)	Lead Concentration ppm (mg/kg)
2458450-001 4686	Paint Chip	0.0765	190
2458450-002 4687	Paint Chip	0.1045	< 48
2458450-003 4688	Paint Chip	0.1057	< 47

CA ELAP Cert #2823

Approved Signatory- Cristina E. Tabatt

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Signal Hill, CA 90755
562-206-2770 Tel
562-206-2773 Fax
services@AQenvlabs.com

(Lab) Order No. 2458450

CUSTOMER INFORMATION		Turnaround Time	Shipped By	Report Send Via:
Company	NV5	Same Day ☐	FedEx ☐	Web ☐
Address	3777 Long Beach Blvd., Annex Bldg.	1 Day ☑	UPS ☐	Email ☑
City/State/Zip	Long Beach, Ca 90807	2 Day ☐	USPS ☐	Fax ☐
Contact	Eric J. Fleming	3 Day ☐	Drop Off ☑	Verbal ☐
Office Phone	562-495-5777	5 Day ☐	Drop Box ☐	Mail ☐
Cell		Weekend ☐	Other ☐	Pick up ☐
Fax	562-495-5877	Special Instructions:		
Email	eric.fleming@nv5.com			

PROJECT INFORMATION

Project Name:	Building E	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
4686	Paint Chip	NA	5/4/2024	NA /	NA	NA
4687	Paint Chip	NA	5/4/2024	NA /	NA	NA
4688	Paint Chip	NA	5/4/2024	NA /	NA	NA
				/		
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Relinquished By:	[signature]	Received By:	[signature]
Printed Name	Eric Fleming	Printed Name	Jackie Tayag
Date/Time:	5-5-24 1845	Date/Time:	5/6/24 0800
Relinquished By:		Received By:	
Printed Name		Printed Name	
Date/Time:		Date/Time:	

ENVIRONMENTAL LABORATORIES

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

Alta Environmental
3777 Long Beach Boulevard
Long Beach, CA 90807
Attention: Eric Fleming

Project Number: RSCC-24-12223
Project Name: Building F
Location: Santa Ana, CA

Report Number: **2458452**

Date Received: 5/6/2024
Date Analyzed: 5/7/2024
Date Reported: 5/7/2024

Date Sampled: 5/4/2024
Sampled By:
Total Samples: 3

Analytical Method: **EPA 7420/3050**
Reporting Limit: **5.0 µg Pb**

Lead (Pb) in Paint by Flame AAS

Lab ID Client ID	Location/Description	Sample Weight (g)	Lead Concentration ppm (mg/kg)
2458452-001 4690	Paint Chip	0.1018	< 49
2458452-002 4691	Paint Chip	0.1071	< 47
2458452-003 4692	Paint Chip	0.1089	< 46

CA ELAP Cert #2823

Approved Signatory- Cristina E. Tabatt

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

(Lab) Order No. 2458452

CUSTOMER INFORMATION	
Company	NV5
Address	3777 Long Beach Blvd., Annex Bldg.
City/State/Zip	Long Beach, Ca 90807
Contact	Eric J. Fleming
Office Phone	562-495-5777
Cell	
Fax	562-495-5877
Email	eric.fleming@nv5.com

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

Special Instructions:

PROJECT INFORMATION

Project Name:	Building F	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
4690	Paint Chip	NA	5/4/2024	NA / ----------	NA	NA
4691	Paint Chip	NA	5/4/2024	NA / ----------	NA	NA
4692	Paint Chip	NA	5/4/2024	NA / ----------	NA	NA

Relinquished By:	Received By:
Printed Name: Eric Fleming	Printed Name: Jackie Tayag
Date/Time: 5-5-24 12a	Date/Time: 5/6/24 0800
Relinquished By:	Received By:
Printed Name	Printed Name
Date/Time:	Date/Time:

ENVIRONMENTAL LABORATORIES

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

Alta Environmental
3777 Long Beach Boulevard
Long Beach, CA 90807
Attention: Eric Fleming

Project Number: RSCC-24-12223
Project Name: Building G
Location: Santa Ana, CA

Report Number: **2458451**

Date Received: 5/6/2024
Date Analyzed: 5/7/2024
Date Reported: 5/7/2024

Date Sampled: 5/4/2024
Sampled By:
Total Samples: 1

Analytical Method: **EPA 7420/3050**
Reporting Limit: **5.0 µg Pb**

Lead (Pb) in Paint by Flame AAS

Lab ID Client ID	Location/Description	Sample Weight (g)	Lead Concentration ppm (mg/kg)
2458451-001 4689	Paint Chip	0.0233	< 220

Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. This report shall not be reproduced without the written approval of this laboratory. The client shall be solely responsible for interpreting analytical results. Samples have not been blank corrected. Samples shall be disposed according to local, state and federal laws, 30 days after reporting results.

CA ELAP Cert #2823

Approved Signatory- Cristina E. Tabatt

ENVIRONMENTAL LABORATORIES

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

CHAIN OF CUSTODY

(Lab) Order No. 2458451

CUSTOMER INFORMATION	
Company	NV5
Address	3777 Long Beach Blvd., Annex Bldg.
City/State/Zip	Long Beach, Ca 90807
Contact	Eric J. Fleming
Office Phone	562-495-5777
Cell	
Fax	562-495-5877
Email	eric.fleming@nv5.com

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

Special Instructions:

PROJECT INFORMATION

Project Name:	Building G	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
4689	Paint Chip	NA	5/4/2024	NA / ----------	NA	NA

Relinquished By:	Received By:
Printed Name: Eric Flem.	Printed Name: Jackie Tayag
Date/Time: 5-5-24 1700	Date/Time: 5/6/24 0800
Relinquished By:	Received By:
Printed Name	Printed Name
Date/Time:	Date/Time:

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

Alta Environmental
3777 Long Beach Boulevard
Long Beach, CA 90807
Attention: Eric Fleming

Project Number: RSCC-24-12223
Project Name: Sheds
Location: Santa Ana, CA

Report Number: **2458462**

Date Received: 5/6/2024
Date Analyzed: 5/7/2024
Date Reported: 5/7/2024

Date Sampled: 5/4/2024
Sampled By:
Total Samples: 2

Analytical Method: **EPA 7420/3050**
Reporting Limit: **5.0 µg Pb**

Lead (Pb) in Paint by Flame AAS

Lab ID Client ID	Location/Description	Sample Weight (g)	Lead Concentration ppm (mg/kg)
2458462-001 5188	Paint Chip	0.0707	< 71
2458462-002 5189	Paint Chip	0.1024	< 49

CA ELAP Cert #2823

Approved Signatory- Cristina E. Tabatt

CHAIN OF CUSTODY

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

(Lab) Order No. 2458462

CUSTOMER INFORMATION	
Company	NV5
Address	3777 Long Beach Blvd., Annex Bldg.
City/State/Zip	Long Beach, Ca 90807
Contact	Eric J. Fleming
Office Phone	562-495-5777
Cell	
Fax	562-495-5877
Email	eric.fleming@nv5.com

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

Special Instructions:

PROJECT INFORMATION

Project Name:	Sheds	PO Number:	
Project Number:	RSCC-24-12223	Work Order No.:	
Location:	Santa Ana, CA	Sampled By:	

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
5188	Paint Chip	NA	5/4/2024	NA / ----------	NA	NA
5189	Paint Chip	NA	5/4/2024	NA / ----------	NA	NA
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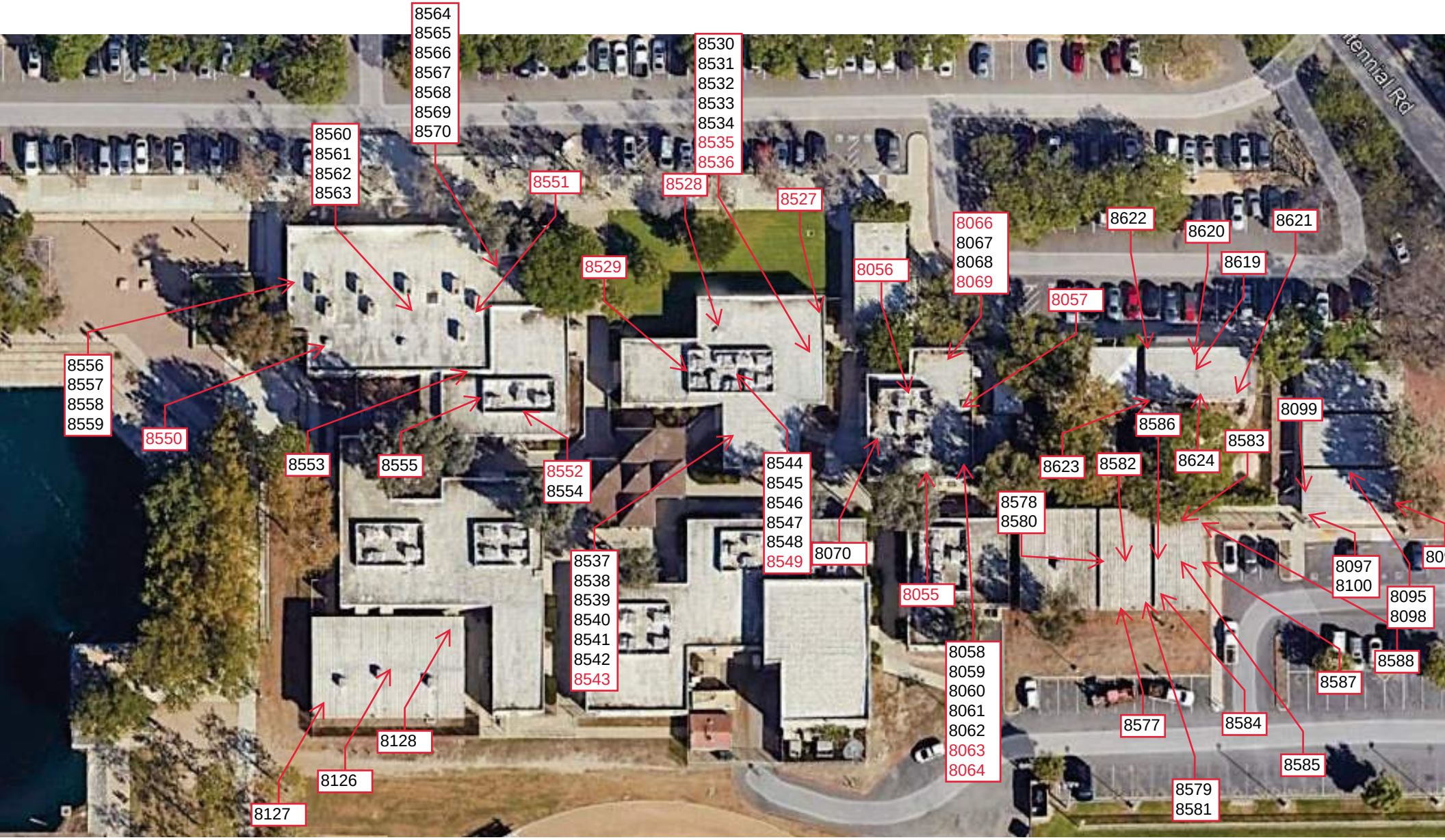
Relinquished By:	Received By:
Printed Name: Eric Fleming	Printed Name: Jackie Fung
Date/Time: 5-5-24 12n	Date/Time: 5/6/24 0800
Relinquished By:	Received By:
Printed Name	Printed Name
Date/Time:	Date/Time:

APPENDIX C

Sample Location Map

Asbestos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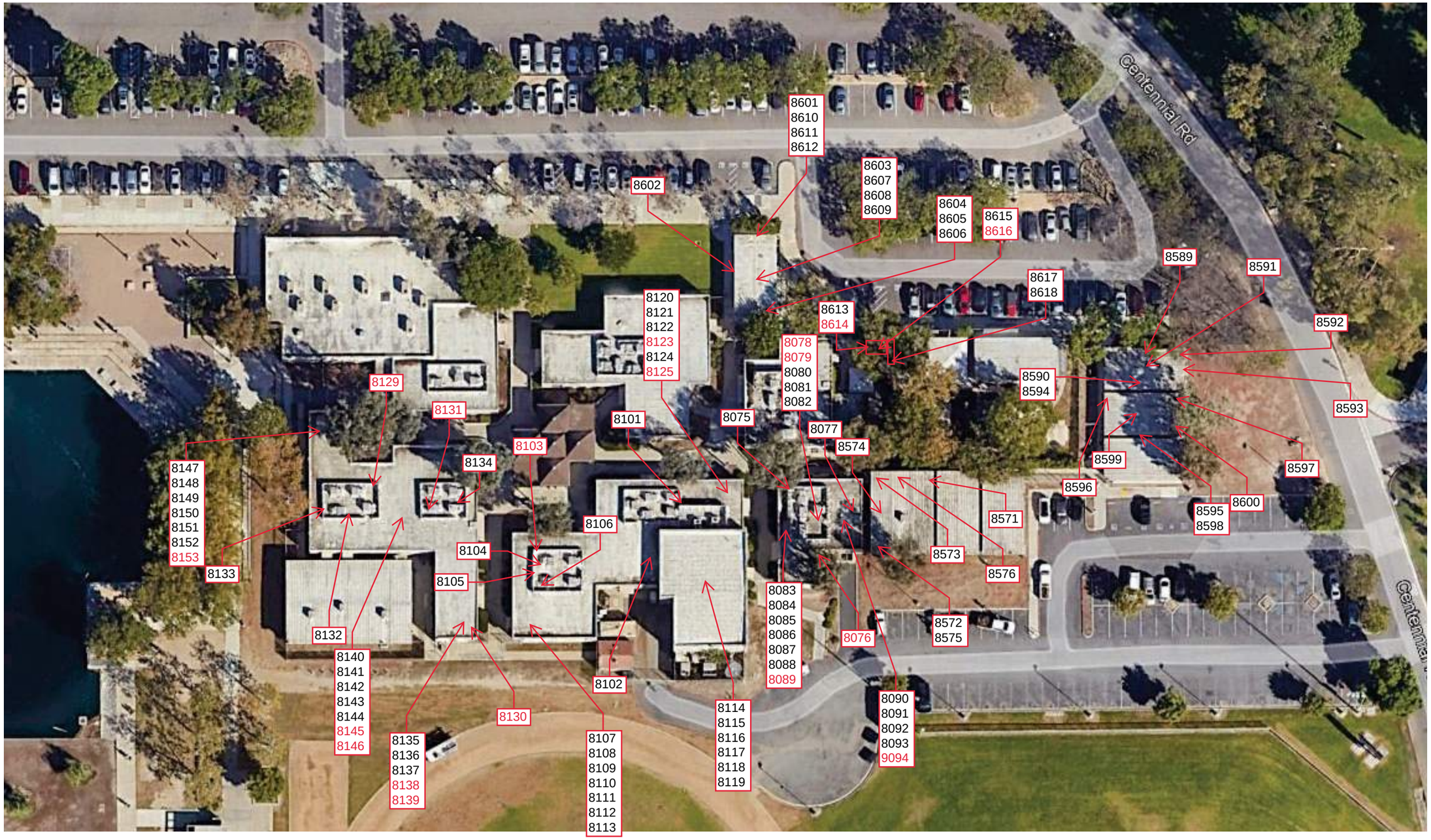
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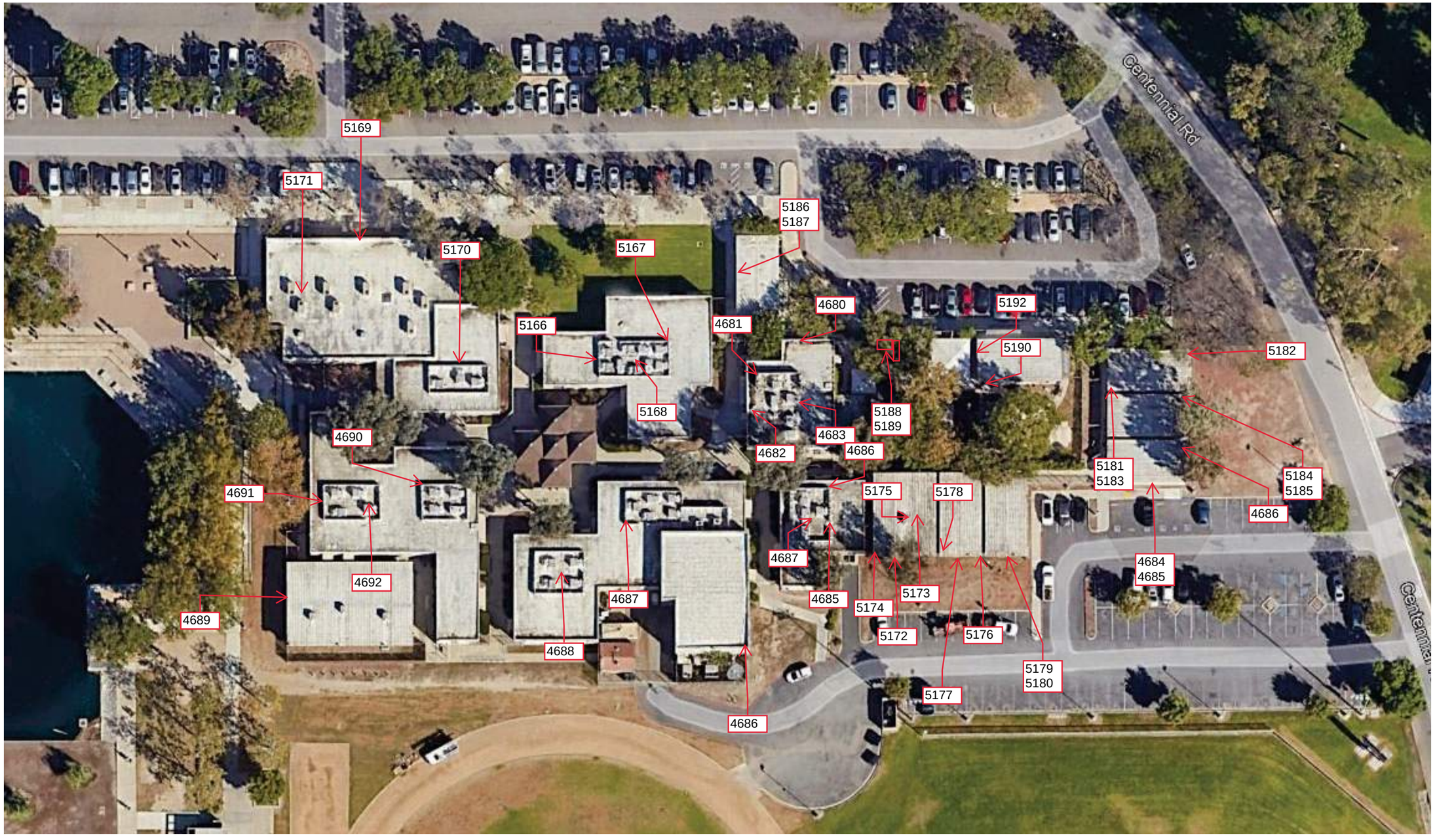
Lead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4685
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APPENDIX D

NV5 Employee and Laboratory Certifications

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

Eric J Fleming
Name

Certification No. **00-2816**

Expires on **09/22/24**

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.

California Department of PublicHealth

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
	Lead Inspector/Assessor	LRC-00003454	10/4/2024
	Lead Project Monitor	LRC-00003455	10/4/2024
	Lead Supervisor	LRC-00003453	10/4/2024

Eric Fleming

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

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

Christine Jordan
Name

Certification No. **92-0215**

Expires on **07/09/24**

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.

California Department of PublicHealth

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
 **Christine Jordan**	Lead Inspector/Assessor	LRC-00002523	9/25/2024

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

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 500044-0

AQ Environmental Laboratories - Bulk Asbestos Fiber Analysis

Signal Hill, CA

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2024-01-01 through 2024-12-31

Effective Dates

For the National Voluntary Laboratory Accreditation Program

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

AQ Environmental Laboratories - Bulk Asbestos Fiber Analysis

1508 E. 33rd Street
Signal Hill, CA 90755
Ms. Cristina E. Tabatt
Phone: 562-206-2770 Fax: 562-206-2773
Email: ctabatt@aqenvlabs.com

ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 500044-0**

For the National Voluntary Laboratory Accreditation Program

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL LABORATORY ACCREDITATION

Is hereby granted to

AQ Environmental Laboratories, LLC

1508 East 33rd Street

Signal Hill, CA 90755

Scope of the certificate is limited to the
"Fields of Accreditation"
which accompany this Certificate.

Continued accredited status depends on compliance with applicable laws and regulations, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2823**

Effective Date: **9/1/2023**

Expiration Date: **8/31/2025**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Program Manager
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Fields of Accreditation

AQ Environmental Laboratories, LLC

1508 East 33rd Street
Signal Hill, CA 90755
Phone: 5622062770

Certificate Number: 2823
Expiration Date: 8/31/2025

Field of Accreditation: 114 - Inorganic Constituents in Hazardous Waste			
114.515	001	Lead	EPA 7420
Field of Accreditation: 121 - Bulk Asbestos Analysis of Hazardous Waste			
121.010	001	Bulk Asbestos	EPA 600/M4-82-020

As of 9/1/2023 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

LEAD HAZARD EVALUATION REPORT

Section 1 — Date of Lead Hazard Evaluation 5-4-24

Section 2 — Type of Lead Hazard Evaluation (Check one box only)

☐ Lead Inspection ☐ Risk assessment ☐ Clearance Inspection ☐ Other (specify) LImited paint inspection

Section 3 — Structure Where Lead Hazard Evaluation Was Conducted

Address [number, street, apartment (if applicable)]	City	County	Zip Code
2900 West Edinger Ave	Sant Ana	LA	92704

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

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

Name	Telephone number
Ava Hill (Client)	951-741-4829

Address [number, street, apartment (if applicable)]	City	State	Zip Code
2323 North Broadway	Santa Ana	CA	92706

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
Eric J. Fleming	562-495-5777

Address [number, street, apartment (if applicable)]	City	State	Zip Code
3777 Long Beach Blvd., Annex Bldg	Long Beach	CA	90807

CDPH certification number	Signature	Date
LRC-00003454		5-10-24

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

NV5

Delivering Solutions
Improving Lives

HAZARDOUS MATERIALS ABATEMENT SPECIFICATION
Centennial Education Center Buildings A, B, D, E, F, and Sheds at Portable C110
May 10, 2024

Prepared For:

Rancho Santiago Community College District
Ms. Ava Hill
2323 North Broadway
Santa Ana, CA 92706

NV5 – Alta Environmental
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807
Phone: 562.495.5777

RSCC-24-12223

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1.0 PART 1 - GENERAL

1.1 PROJECT SITE

Centennial Education Center (CEC), is located on the campus of Santa Ana College/Rancho Santiago Community College District located at 2900 West Edinger Avenue Street, Santa Ana, CA 92704. The work area consists of Buildings A, B, D, E, F, and the Sheds at Portable C110 (Site).

1.2 PROPOSED PROJECT

The scope of work for this project will consist of the removal of identified building related hazardous materials which may be impacted by the renovation project at the Site.

1.3 REMOVAL SCOPE OF WORK

The general intent of this document is to notify the abatement contractor of the minimum requirements for handling, removal, and disposal of asbestos-containing materials (ACM) and lead-containing paints (LCP). Alternative procedures may be used, but the procedures must meet or exceed current federal, state, local and District requirements. Any proposed alternative procedures must be reviewed and approved by District representative prior to implementation of the work.

By submitting a bid, the Contractor warrants its intent to conduct said work properly using qualified personnel employed by licensed contractors.

A. Scope of work shall include materials impacted prior to renovation project at the various buildings included in above where hazardous materials have been identified, as outlined in the tables below.

B. All removal and disturbance of asbestos-containing materials (ACM) and subsequent waste disposal shall be performed by an asbestos abatement contractor, using 40-hour asbestos trained workers (Asbestos Worker trained as outlined in 40 CFR 763). Abatement contractor's workforce shall be supervised by experienced trained workers, knowledgeable and qualified in the techniques of asbestos abatement, handling and disposal of asbestos-containing and/or asbestos-contaminated materials, and the subsequent cleaning of contaminated areas, including, at a minimum, Competent Person/Contractor Supervisor training as outlined in 40 CFR 763.

C. All removal and disturbance of lead-based paints and subsequent waste disposal shall be performed by a state-licensed contractor, using CDPH-certified workers with at least one CDPH-certified Supervisor. Abatement contractor's workforce shall be supervised by experienced trained workers, knowledgeable and qualified in the techniques of lead abatement, handling and disposal of lead-containing and/or lead-contaminated materials, and the subsequent cleaning of contaminated areas.

D. All removal and disturbances of lead-containing painted surfaces (reported between 0 and less than 5,000 ppm by paint chip analysis) are subject to Cal/OSHA worker exposure requirements (8 CCR 1532.1) including the use of respirators and protective clothing until the contractor has demonstrated through objective data the exposure levels to lead dust based on a negative exposure assessment do not exceed the permissible exposure level.

E. When exposure monitoring of a specific lead-related task indicates that the permissible exposure level is or will be exceeded, the contractor shall use CDPH-certified lead workers to complete the task.

F. Contractor shall furnish all labor, materials, services, insurance (specifically covering the handling and transportation of asbestos and lead which is specified, shown or reasonably implied for the removal, transport, and disposal of the hazardous materials identified in the following table:

SUMMARY OF ASBESTOS-CONTAINING MATERIALS (ACM), ASBESTOS-CONTAINING CONSTRUCTION MATERIALS (ACCM), and MATERIALS WITH A DETECTIBLE AMOUNT OF ASBESTOS

MATERIAL	LOCATION	SCOPE OF IMPACT	ESTIMATED QUANTITY	SPECS SECTION
Building A				
White and black roof mastic	At all penetrations, pads, perimeter of the parapet wall, and on conduit and pipe	Removal as necessary	*200 SF	3.7.1
Building B				
White/black roof mastic	At all penetrations, pads, perimeter of the parapet wall, and on conduit and pipe	Removal as necessary	*100 SF	3.7.1
Rolled on roofing	Throughout the roof field	Removal as necessary	*5,500 SF	3.7.1
Building C				
White/black roof mastic	At all penetrations, pads, perimeter of the parapet wall, and on conduit and pipe	Removal as necessary	*50 SF	3.7.1
Rolled on roofing	Throughout the roof field and patio	Removal as necessary	*3,500 SF	3.7.1
Building D				
White/black roof mastic	At all penetrations, pads, perimeter of the parapet wall, and on conduit and pipe	Removal as necessary	*50 SF	3.7.1
Rolled on roofing	Throughout the roof field	Removal as necessary	*2,500 SF	3.7.1

MATERIAL	LOCATION	SCOPE OF IMPACT	ESTIMATED QUANTITY	SPECS SECTION
Building E				
White and black roof mastic	At all penetrations, pads, perimeter of the parapet wall, on flashing, and on conduit and pipe	Removal as necessary	*200 SF	3.7.1
Rolled on roofing	Throughout roof field on both levels	Removal as necessary	*9,000 SF	3.7.1
Building F				
White and black roof mastic	At all penetrations, pads, perimeter of the parapet wall, and on conduit and pipe	Removal as necessary	*200 SF	3.7.1
Rolled on roofing	Throughout roof field	Removal as necessary	*6,500 SF	3.7.1
Sheds				
Rolled on roofing	Throughout roof field	Removal as necessary	8100 SF	3.7.1
*** Project may not impact all roofing. Contractor is responsible for quantifying amount of material to be removed**				

SUMMARY OF LEAD-CONTAINING PAINT

COMPONENT	LOCATION	SCOPE OF IMPACT	SPECS SECTION
Flashing	Building B - Perimeter of building and visual barriers	Removal as necessary	3.7.2 or 3.7.3
Visual barrier	Building D - Inner and outer walls of visual barrier	Removal as necessary	3.7.2 or 3.7.3
Flashing	Building E - Perimeter of building and visual barriers	Removal as necessary	3.7.2 or 3.7.3
Project may not impact all material. Contractor is responsible for quantifying amount of material to be removed			

1.4 WORK TO BE PERFORMED BY OTHERS

As per project specifications and approved abatement plan submittal.

1.5 RESPONSIBILITIES OF OWNER

The Owner will provide daily oversight and environmental monitoring surrounding the abatement/removal operations.

1.6 REQUIRED LICENSURE

A. Contractor shall be licensed by the State of California, Contractors State License Board and be registered to perform asbestos related work with the Division of Occupational Safety and Health, Department of Industrial Relations. At a minimum contractor shall hold the following license classification:

    a. ASB - Asbestos Certification
    b. C-22 Asbestos Abatement Contractor Classification

B. Transportation of Friable and Non-Friable Asbestos Containing Materials: Contractor shall itself be or have a subcontractor who is a registered hazardous waste transporter with the State of California, Department of Toxic Substances Control.

C. The Contractor shall ensure all workers performing specific tasks are properly certified and trained to perform said tasks.

D. Subcontractors shall hold all licenses applicable to specified trade work.

1.7 PERMITS

A. As required by California Division of Occupational Safety and Health (Cal/OSHA)
B. As required by the South Coast Air Quality Management District (SCAQMD)
C. As required by Department of Health Services (Cal/DPH)
D. As required by local agencies for specific tasks (i.e., temporary power, etc.)

1.8 NOTIFICATIONS

A. Contractor shall make all required written notifications to regulatory agencies including the following:

    a. Cal/OSHA
    b. SCAQMD
    c. Cal/DPH
    d. Local Agencies, as required
    e. District prior to submittal

1.9 INSURANCE REQUIREMENTS

A. Provide as per Project Specifications.

1.10 BONDING REQUIREMENTS

A. Provide As per Project Specifications.

1.11 PROJECT SCHEDULE

A. Project Start Date: As specified by Owner

Project Completion Date: As specified by Owner

B. All work shall be performed as per agreement between Contractor and Owner.

1.12 APPLICABLE REGULATIONS

A. Contractor shall perform all Work in compliance with current, applicable federal, state, and local regulations, standards and codes including District specifications governing asbestos abatement, transport, and disposal of asbestos containing/contaminated materials, lead-based/containing surface coatings and contaminated materials, and all other hazardous materials.

   a. Requirements include obtaining permits, licenses, inspections, releases and similar documentation, as well as payments, statements and similar requirements associated with codes, regulations, and standards.

B. Regulations, Standards, and Codes (General):

   a. General applicability of federal, state, and local regulations, standards and codes governing hazardous materials abatement, demolition, transport, and disposal, except to the extent that more explicit or more stringent requirements are written directly into the contract documents, all applicable regulations, standards, and codes have the same force and effect and are made a part of the contract documents as if copied directly into the contract documents, or as if published copies are bound herewith.

C. Contractor Responsibility: The Contractor shall assume full responsibility and liability for the compliance with all applicable federal, state, and local regulations including District specifications pertaining to work practices, transport, disposal, and protection of workers, visitors to the site, and persons occupying areas adjacent to the site.

   a. The contractor is responsible for providing training, medical examination and maintaining training/medical records of personnel as required by the applicable federal, state, and local regulations.

1.13 SUBMITTALS

A. Prior to commencement of work, Contractor shall submit to the Project Environmental Consultant (Owner's Representative) documentation that includes, without limitation, the following:

   a. A detailed abatement plan outlining the scope of work and means/methods to be used for the duration of the project.

b. Copies of licenses and registrations required by Article 1.6 Required Licensure (include copies of subcontractors' licenses).

c. Copies of written notification to the following regulatory agencies:

   I. Cal/OSHA
   II. SCAQMD
   III. Cal/DPH
   IV. Local agencies, as applicable
   V. The District

d. Manufacturer's certification that HEPA vacuums, differential pressure air filtration devices and other local exhaust ventilation equipment conform to ANSI Z9.2-79 and have been permitted by the SCAQMD. Applicable portable equipment registration program (PERP) certification(s) shall also be provided.

e. Documentation showing that Contractor's employees, including foreman, supervisor, and any other company personnel or agents who may be exposed to airborne asbestos fibers or who may be responsible for any aspects of asbestos abatement activities, have received training as required by 29 CFR 1926.1101 and 8 CCR 1529.

f. Documentation showing that Contractor's employees, including foreman, supervisor, and any other company personnel or agents who may be exposed to airborne lead dust or who may be responsible for any aspects of lead abatement activities, have received training as required by 29 CFR 1926.62 and 8 CCR 1532.1.

g. Documentation from Physician (signed by an M.D.) showing that all employees or agents who may be exposed to airborne asbestos fibers in excess of background levels have received medical monitoring to determine whether they are physically capable of working while wearing the respirator required without suffering adverse health effects. The Contractor must be aware of and provide information to the examining physician about unusual conditions in the workplace environment (e.g. high temperatures, humidity, chemical contaminants) that may impact on the employee's ability to perform work activities.

h. Documentation of respirator fit testing for all Contractor employees and agents who must enter the work area. This fit testing shall be conducted annually and in accordance with procedures as required by 29 CFR 1910.134 and 8 CCR 5144.

i. Contractor's Health and Safety Plan, including an emergency preparedness plan as required by Article 1.16 - Emergency Planning.

j. Contractor's Respiratory Protection Plan

k. Contractor's Injury and Illness Prevention Plan (IIPP)

l. Contractor's lead waste profile sampling plan

m. Copies of SDSs for materials to be used on site

B. During abatement activities, Contractor shall maintain on-site records and submit to Project Environmental Consultant at the completion of the project documentation that includes, without limitation, the following:

Copies of the work area entry/exit log book.

Copies of logs documenting filter changes on respirators, HEPA vacuums, differential pressure air filtration devices, water filtration device, and other engineering controls.

Copies of Safety Data Sheets (SDS) for solvents, encapsulants, wetting agents, replacement materials, and other substances brought by Contractor to the Project Site. SDSs shall be available the first day that subject materials/substances are present on the project site.

Results of all required OSHA compliance air monitoring. Results shall be available for review by Consultant and Owner within 24 hours the sampling.

Copies of all accident/incident reports where injury or damage has occurred on or to the Owner's property.

Copies of daily logs indicating location(s) worked, type of materials removed, quantity of materials removed and number of personnel conducting the aforementioned activities.

Copies of all transport manifests, trip tickets and disposal receipts for all asbestos waste materials removed from the site.

1.14 NOTICES

A. Post in the clean room area of the worker decontamination enclosure a list containing the names, and telephone numbers of Owner, Construction Manager, Abatement Contractor, and Project Environmental Consultant.

B. Additional postings shall include:
   a. Visitor Entry and Exit Log.
   b. Employee Daily Sign in Log.
   c. Entry and Exit Procedures.
   d. Emergency Procedures.
   e. Copies of permits required in Article 1.7 of this document and copies of notifications required in Article 1.8 of this document.
   f. As required by the Department of Labor.

1.15 SITE USE AND SECURITY

A. Confine operations at the site to the areas permitted under the Contract. Portions of the site beyond areas on which work is indicated are not to be disturbed.

B. The work area shall be restricted only to authorized, trained, and protected personnel, including Contractor, Contractor's employees, Owner's employees, Owner, Construction Manager, Project Environmental Consultant, State and Local Inspectors.

C. Entry into the work area by unauthorized individuals shall be reported immediately to the Project Environmental Consultant.

D. Contractor shall be responsible for Project site security during abatement operations.

E. Contractor shall take meal and other breaks in areas not used by students.

1.16 EMERGENCY PLANNING

A. Emergency planning and procedures shall be developed by Contractor prior to abatement initiation.

B. Emergency procedures shall be in written form and prominently posted. Contractor shall ensure that all persons entering the work area read these procedures and understand the Project site layout, location of emergency exits and emergency procedures.

C. Emergency planning shall include considerations of fire, explosion, electrical hazards, slips, trips and falls, confined spaces, and heat related injury. Written procedures shall be developed and employee training in procedures shall be provided by Contractor.

D. Employees shall be trained in evacuation procedures in the event of workplace emergencies.

   a. For non-life-threatening situations, employees injured or otherwise incapacitated shall decontaminate following normal procedures with assistance from fellow workers, if necessary, before exiting the work place to obtain proper medical treatment.
   b. For life threatening injury or illness, worker decontamination shall take least priority. After measures to stabilize the injured worker, remove him from the work place and secure proper medical treatment.
   c. Telephone numbers of all emergency response personnel shall be prominently posted in the clean and equipment rooms.

1.17 FIRE PROTECTION

A. All plastic, spray-on strippable coatings, and structural materials used in the asbestos abatement process shall be UL-approved and certified as fire retardant or noncombustible.

B. Wood shall be pressure impregnable and certified as fire retardant.

C. Safety Data Sheets (SDS) for fire retardant materials shall be made available upon request.

D. All combustible rubbish and debris, including asbestos waste shall be properly packaged, labeled and stored in a District designated lockable storage facility at the end of each working day.

E. A minimum of one (1) 4A/60BC dry-chemical extinguisher shall be maintained at each of the following locations:

a. At each corner of the work area. Where no clear corners exist, four (4) extinguishers shall be placed around the exterior wall of the work area so that they are approximately 25 percent of the total distance apart.

1. Exception: Where total contained work area is less than 1,000 square feet, two (2) 4A/60BC extinguishers shall be provided. All extinguishers shall be clearly identified with red tape.

F. Contractor shall ensure that on site personnel are aware of the location and proper use of all extinguishers and other fire/life safety equipment.

G. All existing fire detection, alarm systems, connections and standpipes shall remain in place, active and unobstructed. Any alteration to this equipment must be approved by the Owner.

2.0 PART 2 - PRODUCTS

2.1 MATERIALS

A. Generally, Contractor shall carefully adhere to the following:

a. All plastic, spray-on strippable coatings and structural materials used shall be UL-certified as fire retardant or non-combustible.

b. Fire-retardant polyethylene sheeting utilized for worker decontamination and construction/containment barriers shall be a minimum of six-mil in thickness.

c. Disposal bags used to package hazardous waste shall be of six-mil polyethylene, pre-printed with labels as required by EPA regulation 40 CFR 61.152 (b) and 8 CCR 1529.

d. Warning signs as required by Cal/OSHA shall be utilized.

B. Removal and Encapsulation:

a. Apply surfactant during removal work activities.

b. Apply an encapsulating agent to the substrate surfaces from which asbestos-containing material has been stripped.

c. Mastic removal solvents shall be of the low odor variety.

2.2 EQUIPMENT

A. General:

a. A sufficient number of HEPA vacuums and/or differential pressure air filtration devices equipped with HEPA filtration shall be used to control asbestos fibers during the removal of asbestos containing materials. To calculate total air flow requirement:

$$\text{Total ft}^3\text{/min} = \frac{\text{Vol. of work area (in ft}^3\text{)}}{\text{15 min}}$$

To calculate the number of units needed for the abatement:

$$\text{Number of units needed} = \frac{\text{[total ft}^3\text{/min]}}{\text{[capacity of unit in ft}^3\text{/min]}}$$

b. At a minimum, full-face powered air-purifying respirators (PAPRs) equipped with HEPA filters cartridges shall be utilized during all friable/Class I asbestos removal and for all removal of lead-containing paints/substances involving abrasive removal techniques.
c. At a minimum, half-face air-purifying respirators with P-100 cartridges shall be utilized for the removal of all non-friable/Class II asbestos removal, and lead coated, ceramic tile, and impacted damaged lead-based paint except abrasive removal.
d. Respirators shall be furnished to the abatement workers by Contractor. The respirators shall have been tested and approved by National Institute of Occupational Safety and Health (NIOSH) for use in asbestos-contaminated atmospheres.
e. Full body disposable protective clothing, including head, body, and foot coverings shall be furnished to workers and visitors by the abatement contractor. The clothing shall include adequate sizes to accommodate movement without tearing.
f. Additional safety equipment as supplied in accordance with 8 CCR 1514, (e.g. hard hats meeting the requirements of 8 CCR 1515, eye protection meeting the requirements of 8 CCR 1516, safety shoes meeting the requirements of 8 CCR 1517, hand protection meeting the requirements of 8 CCR 1520, hearing protection meeting the requirements of 8 CCR 1521 and body protection meeting the requirements of 8 CCR 1522), as necessary, shall be furnished to all workers and authorized visitors.

B. Removal:

a. Removal shall be performed using manual means and methods. Perform removal in manageable section and perform continuous clean-up of debris. Mechanical removal shall only be performed in conjunction with Owner approved HEPA air filtration systems.
b. Perform detail cleaning using HEPA vacuuming and wet wiping methods. No brooms shall be used during asbestos and lead-based paint related work.

C. Encapsulation: Encapsulants shall be sprayed using airless spray equipment or a hand pressurized sprayer.

3.0 PART 3 - EXECUTION

3.1 CLEAN-UP PROCEDURES

A. Remove and containerize all visible accumulations of asbestos-containing material, and asbestos/lead-contaminated debris utilizing rubber dust pans and rubber squeegees to

move material around. Do not use metal shovels to pick up or move accumulated waste within contained work areas.

a. Asbestos-containing/contaminated waste shall be packaged and label in accordance with EPA regulation 40 CFR 61.152 (b) (l) (iv), Cal/OSHA (Title 8 CCR Sections 1529 and 5208), SCAQMD Rule 1403, and if applicable Title 22 CCR Section 66504.

b. Lead-waste wastes shall be packaged, and label as required by 8 CCR 1532.1 and 22 CCR 66504.

c. All other hazardous wastes shall be containerized as appropriate and disposed of in a manner that satisfies the requirements for waste characterization and disposal in accordance with the requirements of Title 22 of the California Code of Regulations, Sections 66243, et seq., and Sections 25157.8, et al, of the California Health and Safety Code.

B. Whether cleaning an asbestos work area or a lead work area (or both), wet clean all surfaces in the work area using a HEPA-vacuum, as appropriate.

C. After gross cleaning of the work area, HEPA-vacuum and wet clean all objects and surfaces in the work area are completed, remove all containerized waste from the work area.

D. Decontaminate all tools and equipment and remove at the appropriate time in the cleaning sequence.

E. Project Environmental Consultant and the abatement contractor representative will inspect the work area for visible residue. If any accumulation of residue is observed, a second settling period and cleaning cycle repeated at no additional cost to Owner.

F. Following the satisfactory completion of clearance air monitoring or clearance wipe testing, the remaining barriers may be removed and prepared for proper disposal. A final visual inspection by Project Environmental Consultant and the abatement contractor representative will be performed. Unsatisfactory conditions may require additional cleaning and air monitoring/wipe sampling, at no additional cost to Owner.

3.2 WORKER DECONTAMINATION SYSTEMS

A. Worker decontamination enclosure systems shall be provided at all locations where workers will enter or exit regulated work areas.

B. Worker decontamination enclosure systems constructed at the Project site shall utilize six-mil, fire-retardant polyethylene sheeting, or other approved materials for privacy.

C. Personnel Decontamination Units shall not be located inside the work area(s) unless specifically authorized by the Project Environmental Consultant.

D. Alternate methods of providing Decontamination facilities may be submitted to the Project Environmental Consultant for approval. Do not proceed with any such method(s) without the written authorization.

E. The worker decontamination enclosure system shall consist of at least a cleansing station in accordance with the requirements of 8 CCR 1527 and 8 CCR 1529, equipped with adequate water, towels and cleansing agents to accommodate the entire crew and visitors.

3.3 DISPOSAL PROCEDURES

A. All Class I friable asbestos waste shall be disposed as hazardous, waste and disposed at an appropriate landfill facility. The waste shall be manifested using a Uniform Hazardous Waste Manifest.

B. All Class II non-friable asbestos waste shall be disposed of as Non-Hazardous, Non-Friable Asbestos Waste. A non-hazardous material data form will be required.

C. All asbestos-containing waste shall be placed and stored in clear, sealed, leak-tight and appropriately labeled containers, in accordance with 8 CCR 1529 and SCAQMD Rule 1403, and transported to an appropriate landfill for disposal.

D. The abatement contractor will be responsible for segregating lead waste (LBP and LCP) into separate waste streams. The contractor will be required to collect a sufficient number of samples to adequately characterize the waste stream. Sample analysis will include at a minimum, Total Threshold Limit Concentration (TTLC), Soluble Threshold Limit Concentration (STLC) and Toxicity Characteristic Leaching Procedure (TCLP).

The contractor shall develop and submit for review a waste sampling and management plan to the Owner and the Project Environmental Consultant.

E. All hazardous wastes (including non-hazardous asbestos wastes) must be transported by a certified waste hauler and disposed of at a waste facility approved by the Owner.

F. Obtain the EPA Hazardous Waste Generator Identification Number and State of California Hazardous Waste Tax Identification Number from the Owner for hazardous waste disposal.

G. All hazardous waste manifests, non-hazardous manifest, and tonnage forms shall be delivered to the owner within 14 business days. Record keeping format shall utilize a chain of custody form which includes the names and addresses of the Generator (Owner), Contractor, Waste Hauler, pickup site, disposal site, the estimated quantity of the asbestos waste and the type of containers used. The form shall be signed by the Generator, Contractor, Waste Hauler and the Disposal Site Operator, as the responsibility for the material changes hands.

H. In addition to the above the following will need to take place:

    a. Field info regarding friability of waste and laboratory data characterizing any waste streams and associated reports that discuss whether waste streams are hazardous or non-hazardous and why

    b. Provide the laboratory data and report to proposed receiving facility, so that the receiving facility can provide a "waste acceptance" letter.

c. Prepare a draft manifest for District Facilities' review

d. Provide lab data, report, "waste acceptance letter", transporter EPA ID for hazardous waste shipments, and populated draft manifest to Facilities for review and approval prior to disposal.

e. Provide facility weigh tickets from the receiving facilities for loads taken to the receiving facilities for tracking and tax purposes within 14 business days.

The contractor shall develop and submit for review a waste sampling and management plan to the Owner and the Project Environmental Consultant.

3.4 RE-ESTABLISHMENT OF THE WORK AREAS

3.4.1 Visual Inspection

Upon completion of the removal process, the Owner Representative and the abatement contractor will conduct a post-abatement visual inspection. Any material that is to be left in place for any reason shall be thoroughly encapsulated and/or stabilized. If any material designated for removal, including loose debris, is observed, the Contractor will be required to re-clean that specific area.

3.4.2 Abatement Clearance Criteria

A. Following the completion of final clean-up operations, notify the Project Environmental Consultant that work areas are ready for final inspection and clearance air monitoring.

B. Project Environmental Consultant will then sample the air in the work area for airborne fiber concentrations as necessary. Sampling will be completed in accordance with Phase Contrast Microscopy (PCM) NIOSH Method 7400.

   a. Using the NIOSH 7400 method, samples from inside the work area will be collected. Clearance will be issued when samples results show that the airborne fiber concentrations inside the abatement work areas are equal to or less than 0.01f/cc or the background level, whichever is greater.

C. If these conditions are not met, decontamination shall be deemed incomplete, and the cleaning procedures shall be repeated. The area shall be re-cleaned and re-tested at no additional cost to Owner until satisfactory levels are obtained.

D. For lead paint removal clearance will be achieved by a thorough final visual inspection.

3.5 ENVIRONMENTAL MONITORING

A. Air monitoring will be carried out by the Project Environmental Consultant on behalf of the Owner to verify that the building beyond the contamination area and the outside environment remains uncontaminated.

B. Area Air Monitoring: The Project Environmental Consultant will conduct in-progress air monitoring daily to determine area airborne contaminant concentrations within the confines of the work area.

a. Environmental Air Sampling: Ambient air samples are taken and analyzed to indicate fiber migration from containment to the environment. Should any environmental sample outside work areas exceed the base line of 0.01 f/cc of air or established background concentrations as determined by PCM analysis, all work will immediately halt except for corrective work. The Project Environmental Consultant shall determine the source of the high fiber count and notify the contractor with directions for corrective action.

3.6 PERSONNEL AIR MONITORING

Air monitoring required by Cal/OSHA is the responsibility of the contractor. The contractor is responsible for providing daily Cal/OSHA compliance monitoring as per 8 CCR 1529 for asbestos and CCR 1532.1 for lead.

A. At minimum, Contractor shall conduct representative breathing zone personal air monitoring of its employees and repeated daily or until a "negative exposure assessment", as derived in accordance with 29 CFR 1926.1101 (f)(2)(iii) and 8 CCR 1529 for asbestos.

B. Employers must assess the amounts of lead breathed by workers on a regular basis for each trigger task as per 8 CCR 1532.1. This is usually done by employee breathing zone air sampling. Air sampling results are used to determine the protective measures needed as well as the type of respirator that must be worn for protection.

a) **Level 1 trigger tasks** Any of the following with lead-containing coatings or materials: spray painting, manual demolition, manual scraping or sanding, use of heat gun, power tool cleaning with dust collection system. Minimum required respirator: half-mask respirator with N-100, R-100 or P-100 filters.

b) **Level 2 trigger tasks** Any of the following with lead-containing coatings or materials: using lead-containing mortar, lead burning, rivet busting, power tool cleaning without dust collection system, clean-up activities using dry expendable abrasives, abrasive blasting enclosure movement or removal. Minimum required respirator: air-supplied hood or helmet, or loose fitting hood or helmet powered air purifying respirator with N-100, R-100 or P-100 filters.

c) **Level 3 trigger tasks** Abrasive blasting, welding, cutting, or torch burning on structures where lead-containing coatings or materials are present. Minimum required respirator: half-mask supplied air respirator operated in a positive pressure mode.

A. Monitoring shall be conducted by a qualified air professional experienced and knowledgeable about the methods of air monitoring and in accordance with 29 CFR 1926.1101, 8 CCR 1529 and 8 CCR 1532.1.

3.7 REMOVAL WORK PROCEDURES

3.7.1 Roof Mastic and Roofing Material (ACM)

Engineering Controls:

1. Establish critical barriers as necessary to prevent contamination outside of the regulated area. A one-stage decontamination facility is required with wash station. Install drop floors around the perimeter of the building to extend at least 10 feet beyond the edge, where applicable.

Min. Resp. Protection:

1. Half face air purifying respirators (APR) with P100 filters are required; provide personal monitoring and comply with Cal/OSHA requirements at all times.

Removal:

1. Remove the material by manual means and methods. Allow surfactant to soak into material and remove in manageable sections. Mechanical removal is not allowed.

Preparation/Transport:

1. Package and label the waste immediately. Store all waste in a lockable storage dumpster.

Disposal:

1. Dispose of waste as non-friable, non-hazardous asbestos-containing waste. A Non-Hazardous Waste Shipment Record is required.

3.7.2 Lead Paint- Stabilization

The procedures below have been prepared with the assumption that removal of lead paint from selected components will be required. The bidding contractor is responsible to fully review, understand, and quantify the removal scope of work prior to submitting the bid.

Engineering Controls:

1. Install demarcation signage and critical barriers. A one-stage decontamination facility with a wash station is required.

Min. Personal Protection:

1. Half-face, air-purifying respirators equipped with HEPA-P100 filters. Disposable clothing (Tyvek® suits, or equivalent) and hand, foot, and eye protection are required. Provide personal monitoring and comply with Cal/OSHA requirements during work activities.

Removal:

1. Wet the work area surfaces and remove any damaged loose and flaky paint. Work performed under this task shall be completed using manual means.

Preparation/Transport:

1. Package and separate the waste into waste streams. Conduct the required waste characterization for disposal. (Refer to Section 3.3 of this document).

Disposal:

1. Dispose of all lead waste in accordance with Federal, State, and Local regulations

3.7.3 Lead Paint – Component Removal

Engineering Controls:

1. Install demarcation signage, drop sheets, and critical barriers as necessary. A one-stage decontamination facility with a wash station is required.

Min. Personal Protection:

1. Half-face, air-purifying respirators equipped with HEPA-P100 filters. Provide personal monitoring and comply with Cal/OSHA requirements during work activities.

Removal:

1. Remove the materials using wet methods. No power equipment without a local exhaust HEPA filter capture. Remove all component using manual means and wet methods.

Preparation/Transport:

1. Package and separate into waste streams. Conduct the required waste characterization for disposal. (Refer to Section 3.3 of this document).

Disposal:

1. Dispose of all lead waste in accordance with Federal, State, and Local regulations.

3.8 ADDITIONAL REGULATORY REQUIREMENTS

Procedures for impacting lead-containing paints (LCP) are not included in this abatement plan but remain subject to regulation. All construction work activities impacting lead-containing paints (LCP) (paints reported below 5,000 ppm) completed for this project, such as but not limited to renovation, removal, renovation etc. remain subject to Cal/OSHA worker exposure requirements (8 CCR 1532.1) including the use of respirators, protective clothing, training, air monitoring, waste disposal, etc. Further, it is the Contractors responsibility to ensure that his workers are adequately protected to potential lead exposure during the initial monitoring period. It is the responsibility of the contractor to fully comply with the requirements of the Cal/OSHA regulation. Cal/OSHA requirements are summarized below:

a. Employers must assess the concentration of lead breathed by workers on a regular basis for each trigger task as per Section 1532.1(d). This is usually done by employee breathing zone air sampling. Air sampling results are used to determine the protective measures needed as well as the type of respirator that must be worn for protection.

    i. **Level 1 trigger tasks** – Any of the following with lead-containing coatings or materials: spray painting, manual demolition, manual scraping or sanding, use of heat gun, power tool cleaning with dust collection system. Minimum required respirator: half-mask respirator with N-100, R-100 or P-100 filters.

    ii. **Level 2 trigger tasks** – Any of the following with lead-containing coatings or materials: using lead-containing mortar, lead burning, rivet busting, power tool

cleaning without dust collection system, clean-up activities using dry expendable abrasives, abrasive blasting enclosure movement or removal. Minimum required respirator: air-supplied hood or helmet, or loose fitting hood or helmet powered air purifying respirator with N-100, R-100 or P-100 filters.

iii. **Level 3 trigger tasks** – Abrasive blasting, welding, cutting, or torch burning on structures where lead-containing coatings or materials are present. Minimum required respirator: half-mask supplied air respirator operated in a positive pressure mode.

All lead waste shall be segregated into separate waste streams. The contractor will be required to collect a sufficient number of samples to adequately characterize the waste stream. Sample analysis will include at a minimum, Total Threshold Limit Concentration (TTLC), Soluble Threshold Limit Concentration (STLC) and Toxicity Characteristic Leaching Procedure (TCLP). Refer to Section 3.3 for additional information.

End of Section

NV5

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