

ADDENDUM 2

DATE: April 17, 2023

PROJECT: **Santa Ana College**
Existing Russell Hall Demolition
 1530 West 17th Street
 Santa Ana, CA 92706

HGA Commission No.: **3584-003-00**

OWNER: **RSCCD**
 2323 N. Broadway, Suite 112
 Santa Ana, CA 92706

RSCCD Project ID: **2398.1**
 Bid No.: **1437**

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 this 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.

References made below to specifications, drawings, and other documents shall be used as a general guide only. Bidders and Contractors shall determine for themselves the work affected by Addendum items.

1.0 DRAWINGS

(3 pages total)

ITEM	SHEET	NARRATIVE
AD-2-1	DA000	- Revised general notes and scope of work narratives
AD-2-2	C1.10	- Revised Demolish & Remove Keynote 1
AD-2-3	DA100	- Revised Detail 2

2.0 **SPECIFICATIONS** Revised sections to the specification are noted as "Revised" in the section header and specific changes are noted in underline or ~~strikeout~~ with the corresponding addendum reference "ADD-2". Reissued sections with comprehensive revisions are noted as "Reissued" in the section header. New issued sections are noted as "Issued" in the section header.

ITEM	SECTION	NARRATIVE
AD-2-4	011216 (5 pages)	- Revised section 011216 – Phasing of Work - Added Appendix A – Logistics Plan

ITEM	SECTION	NARRATIVE
AD-2-5	015000 (7 pages)	- Revised section 015000 – Construction Facilities and Temporary Controls
AD-2-6	022600 (26 pages)	- Reissued section 022600 – Hazardous Material Assessment

3.0 PROCUREMENT AND CONTRACTING PROVISIONS

ITEM	SECTION	NARRATIVE
		None

4.0 RESPONSES TO PRE-BID CLARIFICATIONS (“PBC”)

ITEM	SECTION	NARRATIVE
		None

5.0 SUPPLEMENTAL DOCUMENTATION

ITEM	SECTION	NARRATIVE
AD-2-7	291 pages	- Asbestos and Lead Demolition Survey, dated April 11, 2023 added

END OF ADDENDUM 2

RUSSELL HALL REPLACEMENT (HEALTH SCIENCES BLDG)- EXISTING RUSSELL HALL DEMOLITION PROJECT



RSCCD | SANTA ANA COLLEGE

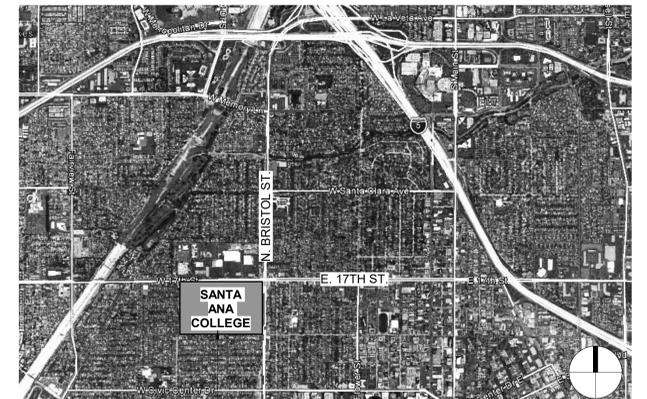
HGA

1301 Colorado Avenue
Santa Monica, California 90404
Telephone 310.557.6000

HGA commission number: 3584-003-00

April 17, 2023

VICINITY MAP:



1530 W. 17TH ST.
SANTA ANA, CA 92706

SHEET INDEX

Sheet Number	Cover Sheet	Sheet Name
DA000	COVER SHEET	
C 0.01	TITLE SHEET	
C 1.00	SURVEY (FOR REFERENCE ONLY)	
C 1.01	SURVEY (FOR REFERENCE ONLY)	
C 1.10	DEMOLITION PLAN	
C 1.20	EROSION CONTROL PLAN	
DA100	SITE AND FIRST FLOOR DEMOLITION PLAN	
DA101	SECOND FLOOR DEMOLITION PLAN	
DA102	THIRD FLOOR DEMOLITION PLAN	
DA103	ROOF LEVEL DEMOLITION PLAN	
DA104	EXTERIOR ELEVATION - DEMOLITION	
DE-0	SYMBOL LIST AND NOTES	
DE-1	FIRST FLOOR DEMOLITION ELECTRICAL PLAN	
DE-2	FIRST FLOOR DEMOLITION LIGHTING PLAN	
DE-3	SECOND FLOOR DEMOLITION ELECTRICAL PLAN	
DE-4	SECOND FLOOR DEMOLITION LIGHTING PLAN	
DE-5	THIRD FLOOR DEMOLITION ELECTRICAL PLAN	
DE-6	THIRD FLOOR DEMOLITION LIGHTING PLAN	
DE-7	ROOF DEMOLITION ELECTRICAL PLAN	
DE-8	SINGLE LINE DIAGRAM AND DETAILS	
DE-9	SITE DEMOLITION FIRE ALARM PLAN	
Grand total:	21	

DA 000

BID SET

CALIFORNIA BUILDING CODE - MATRIX ADOPTION TABLE
CHAPTER 23 - SAFEGUARDS DURING CONSTRUCTION
(Matrix Adoption Tables are non-regulatory, intended only as an aid to the user.)

Adopting Agency	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000
Adopted	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

CHAPTER 31 SAFEGUARDS DURING CONSTRUCTION

SECTION 3101 GENERAL

3101.1 Scope. The provisions of this chapter shall govern safety during construction and the protection of adjacent property and persons.

3101.2 Storage and placement. Construction equipment and materials shall be stored and placed so as not to obstruct the public's work or adjacent property for the duration of the construction project.

SECTION 3102 CONSTRUCTION SAFEGUARDS

3102.1 Alterations, repairs and additions. Erected walls, columns, structural elements, the protection devices and safety devices shall be installed in all areas during alterations, repairs or additions to any building or structure.

3102.2 Barriers. Barriers shall not be less than 4 feet (1219 mm) high and shall be installed in all areas during alterations, repairs or additions to any building or structure.

SECTION 3103 DEMOLITION

3103.1 Construction documents. Construction documents and a schedule for demolition shall be submitted when required for the building official. These documents shall be returned to the building official in a timely manner.

3103.2 Protection provisions. The work of demolishing any building shall not be commenced until protection provisions are in place as required by this chapter.

SECTION 3104 PROTECTION OF ADJACENT PROPERTY

3104.1 Directional barriers. Protection traffic shall be provided for a directional barrier where the roadway extends into the street. The directional barrier shall be of sufficient size and construction to direct vehicle traffic away from the protected area.

3104.2 Construction walkways. Construction walkways shall not be less than 42 inches (1067 mm) in height and shall be sufficient to direct pedestrian and construction traffic.

SECTION 3105 TEMPORARY PROVISIONS, ALLEYS AND PUBLIC PROPERTY

3105.1 Erosion control. Erosion control shall be provided on all areas of exposed earth that are greater than 12 feet (3658 mm) in length.

SECTION 3106 STORM WATER POLLUTION PREVENTION PLAN (SWPPP) REQUIREMENTS

3106.1 Construction documents. Construction documents and a schedule for SWPPP shall be submitted when required for the building official. These documents shall be returned to the building official in a timely manner.

3106.2 Protection provisions. The work of demolishing any building shall not be commenced until protection provisions are in place as required by this chapter.

SECTION 3107 MEANS OF EGRESS

3107.1 Means of egress. Means of egress shall be provided for all areas of the building during construction. The means of egress shall be provided for all areas of the building during construction.

3107.2 Fire extinguishers. Fire extinguishers shall be provided for all areas of the building during construction. The fire extinguishers shall be provided for all areas of the building during construction.

3107.3 Detailed requirements. Detailed requirements shall be provided for all areas of the building during construction. The detailed requirements shall be provided for all areas of the building during construction.

SECTION 3108 CAMPUS MAP

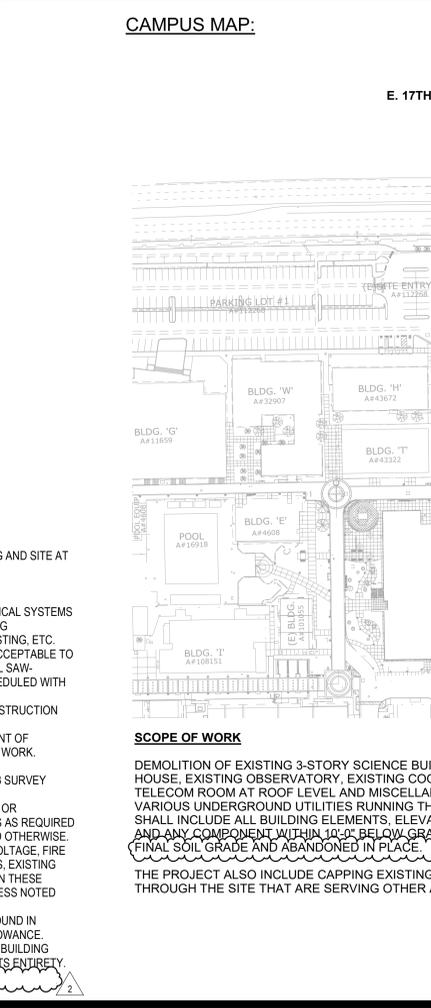
3108.1 Campus map. A campus map shall be provided for all areas of the building during construction. The campus map shall be provided for all areas of the building during construction.

SECTION 3109 NOTICE TO CONTRACTORS

3109.1 Notice to contractors. Notice to contractors shall be provided for all areas of the building during construction. The notice to contractors shall be provided for all areas of the building during construction.

SECTION 3110 GENERAL NOTES - DEMOLITION

3110.1 General notes. General notes shall be provided for all areas of the building during construction. The general notes shall be provided for all areas of the building during construction.

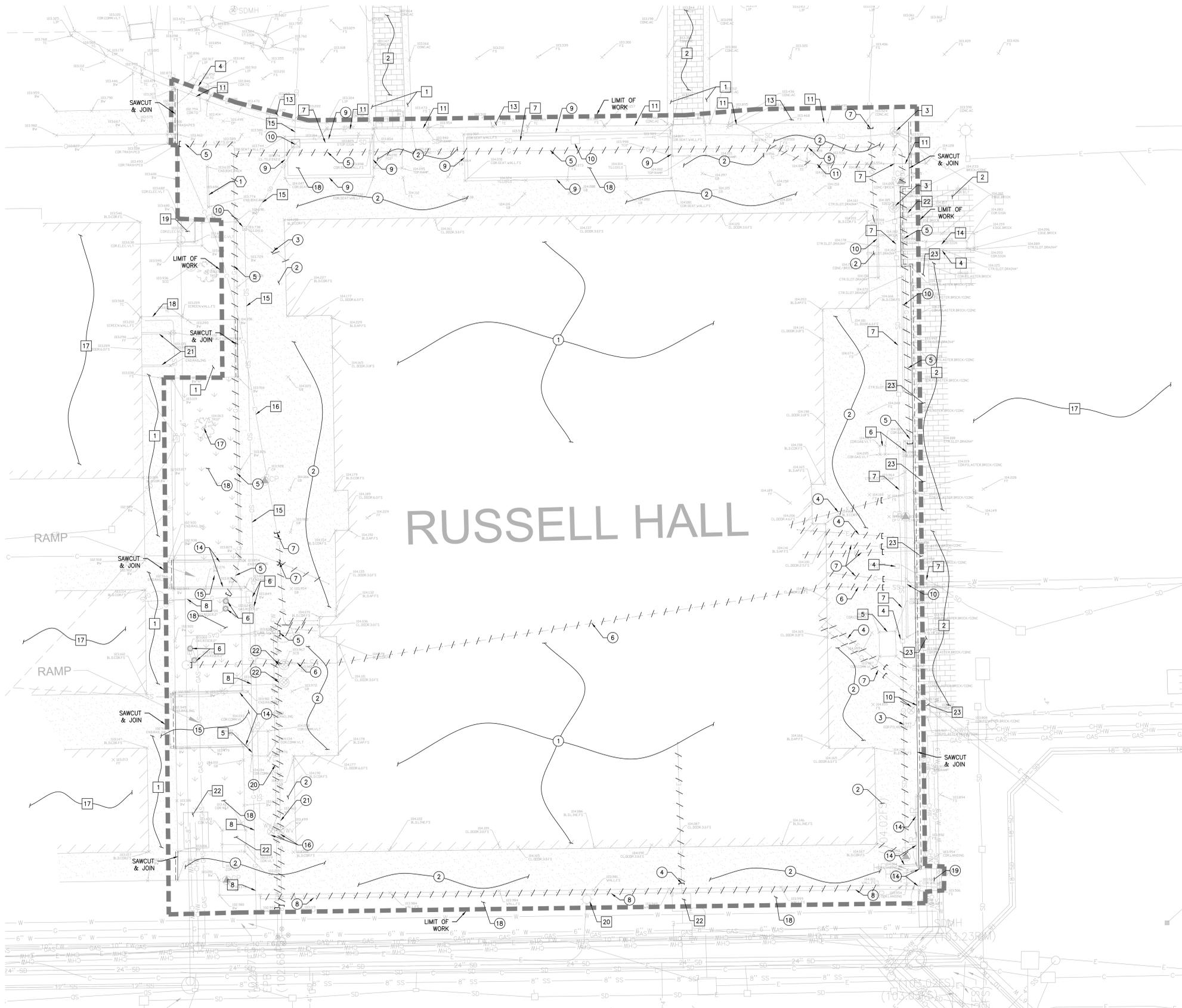


SECTION 3111 SCOPE OF WORK

3111.1 Scope of work. The scope of work shall be provided for all areas of the building during construction. The scope of work shall be provided for all areas of the building during construction.

SECTION 3112 DEMOLITION

3112.1 Demolition. Demolition shall be provided for all areas of the building during construction. The demolition shall be provided for all areas of the building during construction.



RUSSELL HALL

GENERAL DEMOLITION NOTES:

- CONTRACTOR TO CLEAR PROJECT SITE AREA WITHIN THE CONFINES OF THE DEMOLITION LIMIT LINE. THE CONTRACTOR SHALL DEMOLISH AND REMOVE FROM THE SITE ALL EXISTING UTILITIES, STRUCTURES, PLANTERS, TREES, AND ALL OTHER SITE FEATURES, UNLESS OTHERWISE NOTED ON THE PLAN.
- REMOVAL OF LANDSCAPING SHALL INCLUDE ROOTS AND ORGANIC MATERIALS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS AND SHALL PAY ALL FEES NECESSARY FOR ENCROACHMENT, GRADING, DEMOLITION AND DISPOSAL OF SAID MATERIALS AS REQUIRED BY PRIVATE, LOCAL AND STATE JURISDICTIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR A SITE INSPECTION TO FULLY ACKNOWLEDGE THE EXTENT OF THE DEMOLITION WORK.
- THE CONTRACTOR SHALL VERIFY AND LOCATE ALL EXISTING ABOVE AND UNDERGROUND UTILITIES. LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND ARE SHOWN FOR GENERAL INFORMATION ONLY.
- DAMAGE TO ANY EXISTING UTILITIES AND SERVICES TO REMAIN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL REPAIR AND/OR REPLACE IN KIND.
- EROSION CONTROL MEASURES SHALL BE IMPLEMENTED TO PREVENT DEBRIS AND UNSUITABLE MATERIALS FROM ENTERING STORM DRAINS, SANITARY SEWERS AND STREETS.
- DUST CONTROL SHALL BE IMPLEMENTED DURING DEMOLITION.
- DEMOLITION IS LIMITED TO WITHIN DEMOLITION LIMIT LINE UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL VERIFY THE LOCATION AND QUANTITY OF EXISTING SURFACE STRUCTURES AND SHALL BE SOLELY RESPONSIBLE FOR ANY UNIDENTIFIED UTILITIES, IMPROVEMENTS, TREES, ETC. TO BE DEMOLISHED AND REMOVED WITHIN THE DEMOLITION LIMIT LINE, INCLUDING APPURTENANT FOUNDATIONS OR SUPPORTS.
- DEMOLITION CALLOUTS IN THIS SECTION ARE REPRESENTATIVE OF WHAT IS TO BE DONE, NOT AN ITEMIZED ACCOUNTING FOR EACH PIPE, CATCH BASIN, MANHOLE, VAULT, ETC. THAT IS TO BE DEMOLISHED, REMOVED AND DISPOSED OF.

DEMOLITION NOTES:

PROTECT-IN-PLACE

- PROTECT IN PLACE EXISTING CONCRETE PAVEMENT.
- PROTECT IN PLACE EXISTING BRICK PAVEMENT.
- PROTECT IN PLACE EXISTING SANITARY SEWER OR STORMDRAIN CLEAN-OUT.
- PROTECT IN PLACE EXISTING STORM DRAIN INLET.
- PROTECT IN PLACE EXISTING TELECOM VAULT.
- PROTECT IN PLACE EXISTING GAS VAULT OR GAS RISER.
- PROTECT IN PLACE EXISTING STORMDRAIN LINE.
- PROTECT IN PLACE EXISTING GAS LINE.
- PROTECT IN PLACE EXISTING WATER LINE.
- PROTECT IN PLACE EXISTING WATER VALVE OR WATER VAULT.
- PROTECT IN PLACE EXISTING CONCRETE CURB OR CONCRETE CURB AND GUTTER.
- PROTECT IN PLACE EXISTING FIRE WATER LINE.
- PROTECT IN PLACE EXISTING ASPHALT PAVEMENT.
- PROTECT IN PLACE EXISTING PEDESTAL SIGN AND FOUNDATION.
- PROTECT IN PLACE EXISTING STORM DRAIN MAIN.
- PROTECT IN PLACE EXISTING TELECOM LINE.
- PROTECT IN PLACE EXISTING BUILDING AND ASSOCIATED FOUNDATIONS.
- PROTECT IN PLACE EXISTING SCREEN WALL.
- PROTECT IN PLACE EXISTING ELECTRICAL VAULT.
- PROTECT IN PLACE EXISTING LIGHT POLE.
- PROTECT IN PLACE EXISTING HAND RAILS.
- PROTECT IN PLACE EXISTING UTILITY VAULT.
- PROTECT IN PLACE EXISTING BUILDING COLUMN AND ASSOCIATED FOUNDATIONS.

DEMOLISH & REMOVE

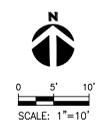
- DEMOLISH AND REMOVE EXISTING BUILDING AND EXISTING GAS GAS EXISTING PIPES TO BE CUT AT A DEPTH OF 5' BELOW THE EXISTING PILE CAP.
- DEMOLISH AND REMOVE EXISTING CONCRETE PAVEMENT.
- DEMOLISH AND REMOVE EXISTING STORM DRAIN PIPE.
- DEMOLISH AND REMOVE EXISTING ELECTRICAL LINE.
- DEMOLISH AND REMOVE EXISTING GAS LINE AND MASTIC.
- DEMOLISH AND REMOVE EXISTING GLASS ACID WASTE PIPE. CONTRACTOR TO TAKE ALL PRECAUTIONARY MEASURE TO PROPERLY DEMOLISH AND DISPOSE OF THE PIPE.
- DEMOLISH AND REMOVE EXISTING TELECOM LINE.
- DEMOLISH AND REMOVE EXISTING SEAT WALL.
- DEMOLISH AND REMOVE EXISTING PLANTER WALL.
- DEMOLISH AND REMOVE EXISTING STORM DRAIN INLET, CUT AND CAP THE RISER. CONTRACTOR TO PROTECT THE STORM DRAIN MAIN AND ENSURE THAT IT STILL CONTINUES TO FUNCTION WHEN THE STORM INLET IS DEMOLISHED.
- DEMOLISH AND REMOVE EXISTING CONCRETE CURB.
- DEMOLISH AND REMOVE EXISTING AC PAVEMENT.
- DEMOLISH AND REMOVE EXISTING BRICK PAVEMENT.
- DEMOLISH AND REMOVE EXISTING HAND RAILS.
- DEMOLISH AND REMOVE EXISTING CONCRETE RAMP.
- DEMOLISH AND REMOVE EXISTING WATER VALVE.
- DEMOLISH AND REMOVE EXISTING TREE.
- DEMOLISH AND REMOVE EXISTING LANDSCAPE.
- DEMOLISH AND REMOVE EXISTING CONCRETE STEP.
- DEMOLISH AND REMOVE EXISTING TRANSITE FIRE WATER LINE.
- DEMOLISH AND REMOVE EXISTING TRANSITE DOMESTIC WATER LINE.
- DEMOLISH AND REMOVE EXISTING CLEAN OUT.

REMOVE & RELOCATE

- REMOVE AND RELOCATE EXISTING BIKE RACK.

LEGEND:

- LIMIT OF WORK
- - - - DEMOLITION LINE
- [] UTILITY CAP
- SAWCUT AND JOIN



HGA

1301 Colorado Avenue
Santa Monica, California 90404
Telephone 310.557.7600

kpff

700 South Flower Street
Suite 2100
Los Angeles, CA 90017
O: 213.418.0201
F: 213.266.5294
www.kpff.com

RUSSELL HALL REPLACEMENT - EXISTING RUSSELL HALL DEMO PROJECT

SANTA ANA COLLEGE
RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT
1530 W. 17TH ST.
SANTA ANA, CA 92706



NAME: KEVIN DONAGHEY
DATE: March 14, 2022
REGISTRATION NUMBER:



NAME:
DATE: March 14, 2022
REGISTRATION NUMBER:

NO.	DESCRIPTION	DATE
2	ADDENDUM 2	04/17/2023

ISSUANCE HISTORY - THIS SHEET
HGA NO: 3584-003-00

DEMOLITION PLAN

DATE: APRIL 17, 2023

C1.10

ADDENDUM 2

LEGEND - DEMOLITION

-  EXISTING PILE CAP TO BE DEMOLISHED
-  EXISTING RUSSELL HALL BUILDING TO BE DEMOLISHED IN ITS ENTIRETY

HGA

1301 Colorado Avenue
Santa Monica, California 90404
Telephone 310.557.6600

RUSSELL HALL
REPLACEMENT -
EXISTING
RUSSELL HALL
DEMO PROJECT

SANTA ANA COLLEGE
RANCHO SANTIAGO
COMMUNITY
COLLEGE DISTRICT
1530 W. 17TH ST.
SANTA ANA, CA 92706



SANTA ANA
COLLEGE

HEREBY CERTIFY THAT THIS PLAN
SPECIFICATION OR REPORT WAS PREPARED BY
ME OR UNDER MY DIRECT SUPERVISION AND THAT
I AM A DULY LICENSED ARCHITECT UNDER
THE LAWS OF THE STATE OF CALIFORNIA



NAME: KEVIN DONAGHEY
DATE: JANUARY 20, 2023
REGISTRATION NUMBER:

NAME:
DATE: JANUARY 20, 2023
REGISTRATION NUMBER:

NO.	DESCRIPTION	DATE
1	ADDENDUM 1	4/17/23
2	ADDENDUM 2	4/17/23

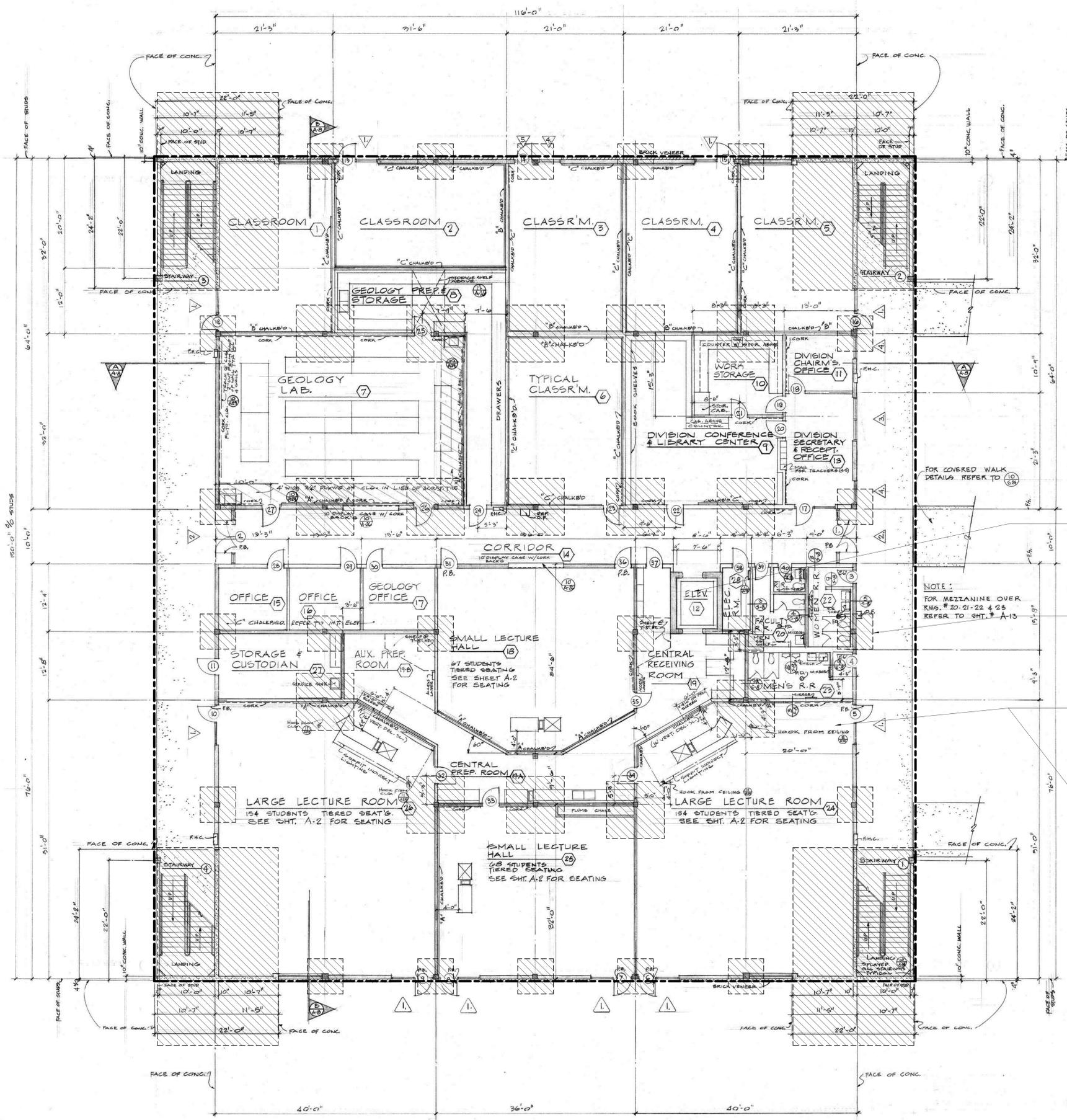
ISSUANCE HISTORY - THIS SHEET
HGA NO: 3584-003-00

SITE AND FIRST
FLOOR
DEMOLITION
PLAN

DATE: April 17, 2023

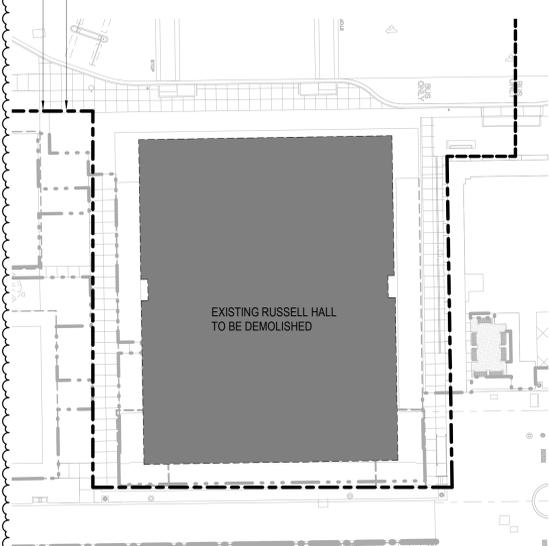
DA100

ADDENDUM 2



SEE CIVIL C1.10 FOR PROJECT LIMIT OF WORK. PROVIDE 8'-0" HIGH TEMPORARY FENCE WITH SCREENING TO ENCLOSE DEMOLITION SITE. LOCATIONS SHOWN ARE DIAGRAMMATIC. EXACT LOCATIONS AND FULL EXTENTS TO BE COORDINATED WITH OWNER AND LOGISTICS PLAN. COORDINATE PLACEMENT DURATION OF FENCE WITH OWNER AND FUTURE CAMPUS ENTRANCE IMPROVEMENTS PROJECT.

PROVIDE ACCESS GATES AT CONSTRUCTION ENTRANCES PER C1.20. PROVIDE ADDITIONAL 2 PEDESTRIAN GATES. COORDINATE WITH OWNER FOR DESIRED LOCATIONS. MAINTAIN ACCESSIBLE PATH AROUND PERIMETER OF TEMPORARY FENCE AND TO ADJACENT BUILDINGS.



2 DEMOLITION SITE PLAN
1/32" = 1'-0"

1 FIRST FLOOR DEMOLITION PLAN
1/8" = 1'-0"

Author: 4/13/2023 3:08:13 PM C:\Users\kaynew\Documents\Russell Hall\Drawings\18-3584-003-00_S&P_HBB.dwg

SECTION 01 12 16

PHASING OF THE WORK

Revised, Addendum 2, 4/17/23

PART 1 – GENERAL

1.01 SECTION INCLUDES

- A. Requirements for phasing of the Work include logistics, phasing, and completion of designated phases prior to commencement of subsequent phases.

1.02 RELATED SECTIONS

- A. Section 01 11 00: Summary of Work.
- B. Section 01 31 13: Project Coordination.
- C. Section 01 32 13: Construction Schedule.
- D. Section 01 33 00: Submittal Procedures.
- E. Section 01 50 00: Construction Facilities and Temporary Controls.
- F. Section 01 77 00: Closeout Procedures.

1.03 SUBMITTALS

- A. Contractor shall ~~submit a~~ implement the Project site logistics plan in accordance with the attachment Appendix A and as required by this Section. **ADD-2**

PART 2 – PRODUCTS (Not applicable)

PART 3 – EXECUTION

3.01 LOGISTICS

- A. Prior to commencement of the Work, Contractor shall prepare and submit to the District Representative, ~~a detailed temporary signage adding to the Project site logistic plan in the attached Appendix A and including items 1 through 21 below which would apply,~~ in the same size and scale of the Drawings, setting forth Contractor plan of the Work relative to the following, but not limited to, items: **ADD-2**

1. Adding signage to the logistics plan that will direct campus traffic to the Bristol street entrance. **ADD-2**
2. In accordance with local ordinances a truck access route to and from the Project site.
3. The identification of any overhead wire restrictions for power, street lighting, signal, and/or cable.
4. Local sidewalk access and street closure requirements.
5. Protection of sidewalk pedestrians and vehicular traffic.
6. Project site fencing and access gate locations.
7. Construction parking.
8. Material staging and/or delivery areas.
9. Material storage areas.
10. Temporary trailer locations.

- 11. Temporary service location and proposed routing of all temporary utilities.
- 12. Location of temporary and/or accessible fire protection
- 13. Trash removal and location of dumpsters.
- 14. ~~Concrete pumping locations. ADD-2~~
- 15. Crane locations.
- 16. Location of portable sanitary facilities
- 17. ~~Mixer truck wash-out locations. ADD-2~~
- 18. Traffic control signage.
- 19. Perimeter and site lighting.
- 20. Stockpile and/or lay down areas.
- 21. Emergency Vehicle Access Routes.

- B. A revised Project site logistic plan may be required by the District Representative for separately identified phases of the Work as set forth in this Section.
- C. Contractor is responsible for securing and obtaining all approvals and permits from authorities having jurisdiction relative to logistic plan activities.

3.03 PHASING OF THE WORK

- A. Project will be constructed in separate Milestone increments, as identified or as described in this Section and/or the Contract Documents. Phasing will also delineate Work to be completed in each designated phase. Unless otherwise approved or directed by the District Representative, each phase shall be completed according to the approved Construction Schedule prior to the commencement of the next subsequent phase. Contractor shall incorporate and coordinate the Work of Separate Work Contracts relative to this Project into the Phasing and Construction Schedule.
- B. Contractor shall install all necessary Work for phased Work before completion of the designated phase.

3.04 PHASING OF THE WORK – GENERAL

- A. Contractor shall prepare the Milestone Schedule in order to complete the Work and related activities in accordance with the phasing plan. Contractor shall include all costs to complete all Work within the Milestones and Contract Time.
- B. Owner will be seriously damaged by not having all Work completed within the Milestones and/or Contract Time. It is mandatory the Work be complete within the Milestones and Contract Time.

3.05 PHASING OF THE WORK – SPECIFIC

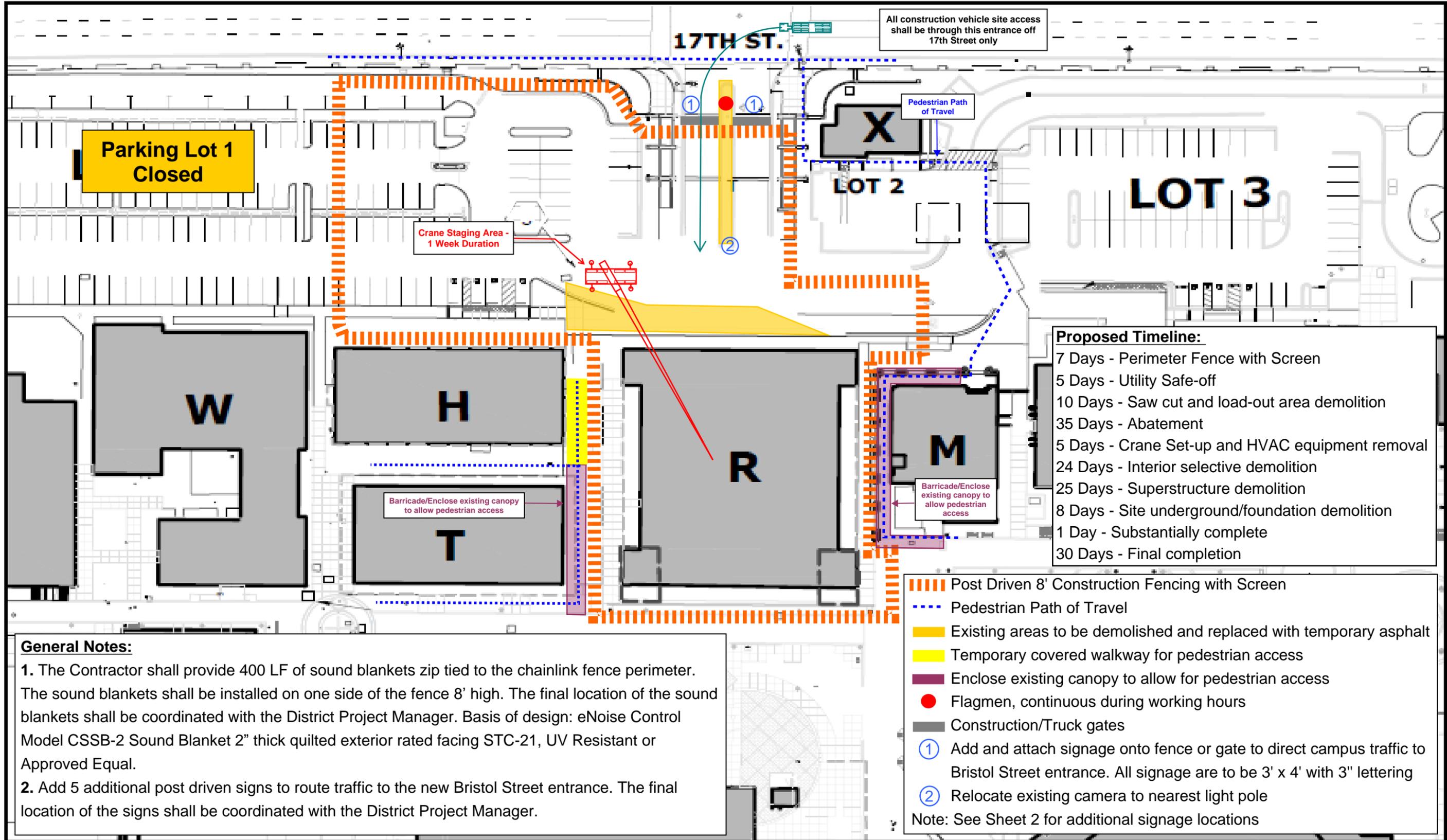
- A. Refer to Supplementary General Conditions for more information.

END OF SECTION 01 12 16

011216 PHASING OF WORK
3.01 Logistics

APPENDIX A ADD-2

Appendix "A" Logistics Plan - Addendum #2

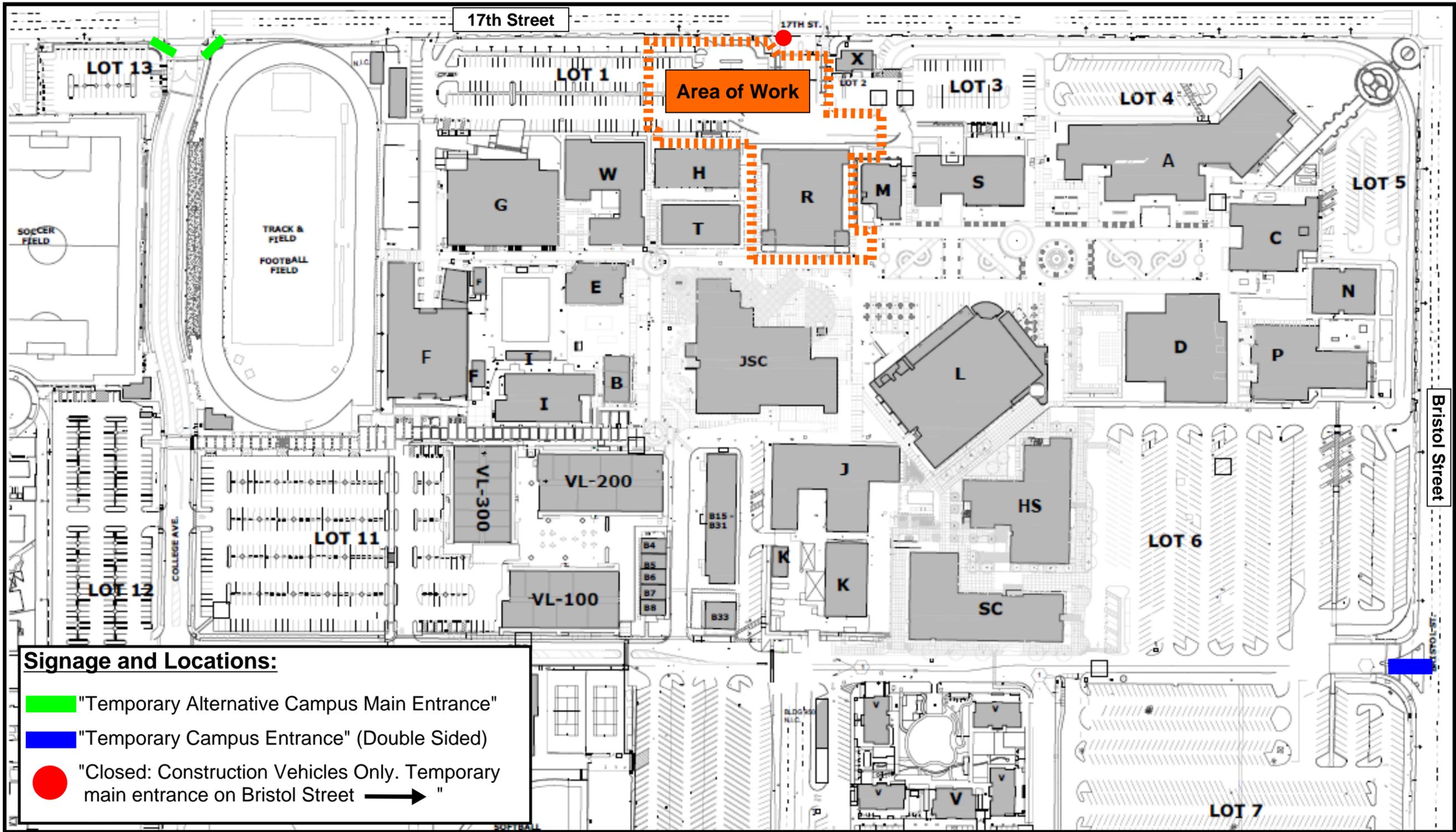


Russell Hall Demolition Logistics Plan - Sheet 1 of 2

Phase 2 - Option C R1

Phase 2 - 150 day duration after NTP is issued

Appendix "A" Logistics Plan - Addendum #2



Russell Hall Demolition Logistics Plan - Sheet 2 of 2

Phase 2 - Option C R1

Phase 2 - 150 day duration after NTP is issued

SECTION 015000

CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS

Revised Addendum 2, 4/17/23

PART 1 – GENERAL

1.01 SECTION INCLUDES

- A. Temporary utilities, construction facilities and controls to be provided, maintained, relocated, and removed by Contractor.

1.02 RELATED SECTIONS

- A. Division 0.
- B. Section 01 11 00: Summary of Work.
- C. Section 01 29 73: Schedule of Values Procedures.
- D. Section 01 32 13: Construction Schedule.
- E. Section 01 45 23: Testing and Inspection.
- F. Section 01 57 23: Storm Water Pollution Prevention Plan.
- G. Section 01 74 19: Construction and Demolition Waste Management.

PART 2 – PRODUCTS (Not used)

PART 3 – EXECUTION

3.01 QUALITY ASSURANCE

- A. Contractor shall comply with applicable laws and regulations of authorities having jurisdiction including, but not limited to, the following:
 - 1. Building Code requirements.
 - 2. Division of State Architect.
 - 3. Health and safety regulations.
 - 4. Utility company regulations.
 - 5. Police, fire department and rescue squad requirements.
 - 6. Environmental protection regulations.
- B. Contractor shall arrange for the inspection and testing of each temporary utility prior to use. Obtain required certifications and permits and transmit to District Representative.
- C. Contractor provided facilities are to be in place and available for District Representative use and occupancy within Thirty (30) calendar days following the date of issue of the Notice to Proceed and shall remain in place and available for District Representative use and occupancy until Substantial Completion of the Project or an earlier date if agreed upon by the District Representative.
- D. Contractor shall provide site layout to District Representative for District review and approval prior to installation.

3.02 TEMPORARY UTILITIES

- A. Contractor shall submit to District Representative reports of tests, inspections, meter readings and similar procedures performed on temporary utilities.
- B. Contractor shall coordinate with the appropriate utility company to install temporary services. Where the utility company provides only partial service, Contractor shall provide and install the remainder with matching compatible materials and equipment.
- C. Temporary Water:
 - 1. Contractor shall furnish, install and pay for all necessary permits, inspections, move ins/out, temporary water lines, connections and fees, extensions and distribution, metering devices and use charges, deliveries/pick-ups, rentals, storage, transportation, taxes, labor, insurance, bonds, material, equipment and all other miscellaneous items for the temporary water system, and upon Substantial Completion of the Work, removal of all such temporary water system devices and appurtenances.
 - 2. Contractor shall provide and maintain temporary water service, including water distribution piping and outlet devices of the size and required flow rates in order to provide service to all areas of the Project site.
 - 3. DISTRICT will pay for all water usage. Contactor shall assist the District in obtaining a separate meter for the water source.
 - 4. Contractor shall at their expense and without limitation, remove, extend and/or relocate temporary water systems as rapidly as required in order to provide for progress of the Work.
- D. Temporary Electric:
 - 1. Contractor shall furnish, install, maintain and pay for all necessary permits, inspections, temporary wiring, metering devices, move ins/outs, connections and fees, service, extension and distribution, deliveries/pickups, rentals, storage, transportation, taxes, labor, insurance, bonds, materials, equipment and all other required miscellaneous items for the temporary electric systems and upon Substantial Completion of Work, removal of all such temporary electric systems and appurtenances.
 - 2. Contractor shall furnish, install, maintain, extend and distribute temporary electric area distribution boxes, so located that individual trades can obtain adequate power and artificial lighting, at all points required for the Work, for inspection and for safety.
 - 3. Contractor shall provide temporary electric for construction, temporary facilities, and connections for construction equipment requiring power or lighting, at all points required for the Work, for inspection and safety.
 - 4. Contractor shall provide adequate task lighting and safe exit(s) inside building(s), as per Cal/OSHA guidelines, for safety and security.
 - 5. Contractor shall ensure welding equipment is supplied by electrical generators.
 - 6. Contractor shall at their expense and without limitation remove, extend and/or relocate temporary electric systems as rapidly as required in order to provide for progress of the Work.
 - 7. Contractor to provide temporary power plan indicating source and power pole locations, for District review.

3.03 CONTRACTOR PROVIDED FACILITIES

- A. Contractor shall provide temporary offices, utilities, storage units, fencing, barricades, chutes, elevators, hoists, scaffolds, railings and other facilities or services as required. Contractor shall be responsible for providing/supplying, installing and maintaining all items indicated under this specification Section 01 50 00.
- B. Temporary Offices:

DESIGN STANDARD SPECIFICATIONS

- C. Contractor shall provide a temporary field office for its site management personnel for the duration of the construction of the project. Field office shall be removed at thye completion of the project.
- D. Contractor furnished furniture, equipment, and related ancillary devices shall remain property of Contractor. Contractor shall remove such property upon Substantial Completion of Work or as otherwise determined in writing by District Representative.
- E. At Contractor’s expense and without limitation remove and/or relocate temporary office(s) and related facilities as rapidly as required in order to provide for progress of the Work.
- F. Temporary Sanitary Facilities:
 - 1. Contractor shall provide portable chemical toilet facilities, hand wash facilities, and trash receptacles. Quantity of units shall be based on total number of workers and shall be in accordance with Cal/OSHA standards and in compliance with SWPPP.
 - 2. Portable chemical toilet facilities, hand wash facilities, and trash receptacles shall be maintained with adequate supplies and in a clean and sanitary condition and shall be removed from the Project site upon Substantial Completion of the Work. Contractor shall maintain District Representative trailer restroom clean and operational at all times.
 - 3. Contractor employees shall not use school toilet facilities.
 - 4. At Contractor’s expense and without limitation remove and/or relocate portable chemical toilet facilities as rapidly as required in order to provide for progress of the Work.
 - 5. Contractor will contain their breaks and lunch periods to the areas designated by District Representative or any public area outside the Project site. Contractor shall provide a suitable container within the break/lunch area for the placement of trash. Areas used for break/lunch must be maintained clean and orderly. Once finish flooring has been installed in a particular area, no food or beverages will be permitted in that area.
- G. Temporary Security Fence/Barricade:
 - 1. Contractor shall install temporary Project site security barricade(s) as indicated on Drawings or as required for safety and as specified herein. New or used material may be furnished. Security of Project site and contents is a continuous obligation of Contractor.
 - 2. Unless otherwise indicated or specified, security fence shall be constructed of 8-foot high chain link fencing with 8-foot high green screen. Post spacing shall not exceed ten feet on center. Posts shall be of following nominal pipe dimensions: terminal, corner, and gatepost 2 ½-inches, line posts 2-inch. Chain link fence shall be not less than #13 gauge, 2-inch mesh, and in one width. Posts, fence and accessories shall be as follows:
 - a. Shall be set in the earth a depth of 30-inch with soil firmly compacted around post, unless required otherwise in writing by District Representative. Contractor shall perform an underground utilities survey in the area where post are to be installed prior to installing posts.

Where security fence posts cannot be set in the soil, the contractor shall install and anchor the fence with fasteners to concrete or paved surfaces, so the fence can withstand high wind velocity. The security fence shall also be installed to level that will require low maintenance. Contractor shall leave the security fence in place after the contractor’s contract has ended. **ADD-2**
 - b. Green screen shall be attached to fence mesh on the construction side of the fence and steel tension wires at 18-inch centers with a minimum of #14 gauge tie wire. Green screen shall be maintained and all rips, tears, missing sections shall be corrected upon notification by District Representative.
 - c. Gates shall be fabricated of steel pipe with welded corners, and bracing as required. Fence and fabric to be attached to frame at 12-inch on center. Provide

all gate hardware of a strength and quality to perform satisfactorily until barricade is removed upon Substantial Completion of the Work. Each gate shall have a chain and combo padlock. At Substantial Completion of the Work, remove barricade from Project site, backfill and compact fence footing holes. Existing surface paving that is cut into or removed shall be patched and sealed to match surrounding areas.

- d. At Contractor's expense and without limitation remove or relocate fencing, fabric and barricades or other security and protection facilities as rapidly as required in order to provide for progress of the Work.

H. Other Temporary Enclosures and Barricades:

1. Provide lockable, temporary weather-tight enclosures at openings in exterior walls to create acceptable working conditions, to allow for temporary heating and for security.
2. Provide protective barriers around trees, plants and other improvements designated to remain.
3. Temporary partitions shall be installed at all openings where additions connect to existing buildings, and where to protect areas, spaces, property, personnel, students and faculty and to separate and control dust, debris, noise, access, sight, fire areas, safety and security. Temporary partitions shall be as designated on the Drawings or as specified by Architect. At Contractor's expense and without limitation remove and/or relocate enclosures, barriers and temporary partitions as rapidly as required in order to provide for progress of the Work.
4. Since the Work of this Project may be immediately adjacent to existing occupied structures and vehicular and pedestrian right of ways, Contractor shall, in accordance with applicable safety standards, provide temporary facilities, additional barricades, protection and care to protect existing structures, occupants, property, pedestrians and vehicular traffic. Contractor is responsible for any damage, which may occur to the property and occupants of the property of District Representative or adjacent private or public properties which in any way results from the acts or neglect of Contractor.
5. Contractor shall be responsible for cleaning up all areas adjacent to the construction site which have been affected by the construction; and for restoring them to at least their original condition- including landscaping; planting of trees, sod, and shrubs damaged by construction; and raking and disposal of debris such as roofing shingles, paper, nails, glass sheet metal, bricks, and waste concrete. Construction debris shall be removed and properly disposed of. Culverts and drainage ditches with sediment from the construction area shall be cleared routinely to maintain proper drainage and re-cleaned prior to completion of the contract.
6. Contractor shall ensure sediment does not block storm drains. Contractor shall be responsible for cleaning storm drains blocked due to erosion or sediment from the work area.
7. Contractor shall provide temporary shade for all break areas as required by Cal/OSHA's Heat Safety Regulations.

I. Temporary Storage Yards:

1. Contractor shall fence and maintain storage yards in an orderly manner.
2. Provide storage units for materials that cannot be stored outside.
3. At Contractor's expense and without limitation remove and/or relocate storage yards and units as rapidly as required in order to provide for progress of the Work.

J. Temporary De-watering Facilities and Drainage:

DESIGN STANDARD SPECIFICATIONS

1. Contractor shall be responsible for, but not limited to, de-watering of excavations, trenches and below grade areas of buildings, structures, the Project site and related areas.
- K. Temporary Protection Facilities Installation:
1. Not Used
- L. Temporary Security and Safety Measures:
1. During performance of the Work in existing facilities and/or on a Project Site occupied by students, Contractor shall provide, install and maintain substantial temporary barriers and/or partitions separating all Work areas from areas occupied by students, faculty and/or administrative staff.
 2. During performance of the Work, Contractor shall provide an employee meeting the requirements of Education Code Section 45125.2.(2) to continually supervise and monitor all employees of Contractor and Subcontractor. For the purposes of this Section, Contractor employee shall be someone whom the Department of Justice has ascertained has not been convicted of a violent or serious felony as listed in Penal Code Section 667.5(c) and/or Penal Code Section 1192.7(c). To comply with this Section, Contractor shall have his employee submit his or her fingerprints to the Department of Justice pursuant to Education Code Section 45125.1(a).
 3. Penal Code Sections 290 and 290.4 commonly known as “Megan’s Law”, require, among other things, individuals convicted of sexually oriented crimes, to register with the chief of police where the convicted individual resides or with a county sheriff or other law enforcement officials. Contractor shall check its own employees and require each Subcontractor to check its employees and report to Contractor if any such employees are registered sex offenders. Contractor shall check monthly during the life of the Contract to ascertain this information and report same to District Representative. Before starting the Work, and monthly thereafter during the life of Contract, Contractor shall notify District Representative in writing if any of its employees and/or if any Subcontractor’s employees is a registered sex offender. If so, the DISTRICT may elect and request to have such individuals removed from project and replaced.
 4. Contractor shall employ and maintain sufficient security and safety measures to effectively prevent vandalism, vagrancy, theft, arson, and all other such negative impacts to the Work. Any impacts to the progress of the Work of Contractor, District Representative, or District Representative’s forces, due to loss from inadequate security, will be the responsibility of Contractor.
- M. Temporary Access Roads and Staging Areas:
1. Due to the limited amount of on and off Project site space for the parking of staff and campus visitor vehicles there will be no parking of Contractor vehicles in areas designated for campus use only. Contractor shall provide legal access to and maintain Contractor designated areas for the legal parking, loading, off-loading and delivery of all vehicles associated with the Work. Contractor shall be solely responsible for providing and maintaining these requirements whether on or off the Project site. Contractor shall provide and maintain ample on-site parking spaces designated for the exclusive use of District Representative. Contractor shall erect signs as required by District Representative each of these spaces and prevent all unauthorized vehicles from parking in the District Representative-reserved spaces.
 2. Temporary access roads are to be installed and maintained by Contractor to all areas of the Project site.
 3. Contractor will be permitted to utilize existing facility campus roads as designated by District Representative. Contractor shall only utilize those entrances and exits as designated by District Representative and Contractor shall observe all traffic regulations of District Representative.

- 4 Contractor shall maintain roads and walkways in a clean condition including removal of debris and/or other deleterious material on a daily basis.

3.04 PROJECT SIGNAGE

- A. No signs shall be displayed without approval of District Representative. At Contractor's expense and without limitation remove and/or relocate Project signage and related facilities as rapidly as required in order to provide for progress of the Work.
- B. Contractor shall remove any approved signage at Substantial Completion of the Work.
- C. Contractor shall employ appropriate means to remove all graffiti from buildings, equipment, fences and all other temporary and/or permanent improvements on the Project site within twenty-four (24) hours from the date of report or forty-eight (48) hours of each occurrence.
- D. Contractor shall provide and install signage to provide directional identification, safety, and contact information to construction personnel and visitors as follows and as reviewed by District Representative.
 - 1. For construction traffic control/flow at entrances/exits, and as designated by District Representative.
 - 2. To direct visitors.
 - 3. For construction parking.
 - 4. To direct deliveries.
 - 5. For Warning Signs as required.
 - 6. For trailer identification and Project site address.
 - 7. For "No Smoking" safe work site at designated locations.
 - 8. Emergency contact information and phone number of Contractor.
 - 9. Emergency contact information and phone number of local police, fire, and emergency personnel.
 - 10. For Labor Compliance Program (LCP) as required by the DIR (Prevailing wage rates and Notice of LCP).
 - 11. Employee benefits payments paid to trust funds are required under the General Conditions/CSA.

3.05 TRENCHES

- A. All open trenches for installation of utility lines (water, gas, electrical and similar utilities) and open pits shall be barricaded at all times in a legal manner, as required by Cal/OSHA and determined by Contractor. Trenches shall be backfilled and patch-paved within twenty-four (24) hours after approval of installation by authorities having jurisdiction or shall have "trench plates" installed. Required access to buildings shall be provided and maintained. Contractor shall comply with all applicable statutes, codes and regulations regarding trenching and trenching operations.

3.06 DUST CONTROL

- A. Contractor is responsible for dust control on and off the Project site. When Work operations produce dust the Project site and/or streets shall be sprinkled with water to minimize the generation of dust. Contractor shall clean all soils and debris from construction vehicles and cover both earth and debris loads prior to leaving the Project site. Contractor shall, on a daily basis, clean all streets and/or public improvements within the right of way of any and all debris, dirt, mud and/or other materials attributable to operations of Contractor.

3.07 WASH OUT

DESIGN STANDARD SPECIFICATIONS

- A. Contractor shall provide and maintain wash out boxes of sufficient size and strength to provide for concrete mixer wash out. Contractor shall locate and relocate both the wash out boxes and wash out areas in order to accommodate the progression of the Work. Contractor shall legally dispose of the contents of the wash out boxes and area on an as needed basis or as required by District Representative.

3.08 WASTE DISPOSAL

- A. Contractor shall provide and maintain trash bins on the Project site and in compliance with SWPPP requirements. Trash bins shall be serviced on an as needed basis and Contractor is responsible for the transportation of and the legal disposal of all contents.

3.09 ADVERSE WEATHER CONDITIONS

- A. Should warnings of adverse weather conditions such as heavy rain and/or high winds be forecasted, Contractor shall provide every practical precaution to prevent damage to the Work, Project site and adjacent property. Contractor precautions shall include, but not be limited to, enclosing all openings, removing and/or securing loose materials, tools, equipment and scaffolding.
- B. Contractor shall provide and maintain drainage away from buildings and structures.
- C. Contractor shall implement all required storm water mitigation measures as required under related Sections.

3.10 DAILY AND MONTHLY REPORTS

- A. By the end of each workday, Contractor shall submit to District Representative and Project Inspector a daily construction report denoting the daily manpower counts and a brief description/location of the workday activities. Manpower shall be broken down by trade classification such as foreman, journeyman or apprentice. The report shall also note the date, day of the week, weather conditions, deliveries, equipment on the Project site whether active and/or idle, visitors, inspections, accidents and unusual events, meetings, stoppages, losses, delays, shortages, strikes, orders and requests of governing agencies, Construction Directive and/or Change Orders received and implemented, services disconnected and/or connected, equipment start up or tests and partial use and/or occupancies. Contractor shall also include on the daily construction report the above information for all Subcontractors at whatever tier.

END OF SECTION 01 50 00

SECTION 022600
HAZARDOUS MATERIAL ASSESSMENT
(Asbestos, Lead-Base Paint, and Universal Waste
Abatement/Removal)

Reissued, Addendum 2, 4/17/23

1.0 PART 1 - GENERAL

1.1 PROJECT SITE

Russell Hall (designated Building R) is located on the campus of Santa Ana College/Rancho Santiago Community College District located at 1530 West 17th Street, Santa Ana, California. The work area consists of Building R, Russell Hall (Site).

1.2 PROPOSED PROJECT

The scope of work for this project will consist of the removal of all identified building related hazardous materials which may be impacted by the demolition of Russell Hall 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), lead-based paint (LBP), lead-containing paints (LCP), mercury-containing fluorescence light tubes and switches, and light ballast with suspect polychlorinated biphenyl (PCBs). 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 all materials impacted prior to demolition of Russell Hall/Building R 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 below 0.8 mg/cm² by XRF Testing) 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 utilize employees with HAZWOPER training, as outlined in 29 CFR 1910.120 and 8 CCR 5192, when handling all “other” hazardous materials, including but not limited to fluorescent light ballasts with potential PCBs, fume hoods, sink traps, and Mercury light tubes.
- G. Contractor shall furnish all labor, materials, services, insurance (specifically covering the handling and transportation of asbestos, lead, PCBs, mercury, and equipment 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

Russell Hall/Building R

MATERIAL	LOCATION	SCOPE OF IMPACT	ESTIMATED QUANTITY	SPECS SECTION
Carpet adhesive with black mastic	R103-1, R103-2, R105-3, R105-1A, R105-2, R107-2, R107-3, R117, R119, R101, R213, R213-1	Removal	6,000 SF	3.7.1
Smooth plaster	R103-1, R103-2, R105-3, R105-2, R1051A, R107-1, R107-2, R107-3, R111, R113, R116, R114, R108, R120, R128, R112-4, 1st floor corridor R100, R200-corridor, R224, R226-2N, R226, R222, R220, R218, R218-1, R218-1A, R218-3, R218-4, R218-6, R218-5, R204, R206, R205, R211, R215, R217, R202, R202-2, R202-1, R228, R228-1E, R219, R219-1R, R201-1, R201-1A, R201, R213, R213-1, R209, R207, R203, R203-A restrooms, R320, R324, R322, R316, R318, R318-2, R314-2, R304, R302-1E, R302-1, R303-3, R309, R309-1, R305, R305-1, R301, R328-1, R328, R328-2, R318-1, restrooms, R300 corridor	Removal	75,000 SF	3.7.2
Rough plaster	R103A, R109, R109-1, R122, R122-1, R118B, R128, R112, R112-1, R108, R212, R214, R326-walls & ceiling, R326-3, R314-1 (vault), R310	Removal	10,500 SF	3.7.2

MATERIAL	LOCATION	SCOPE OF IMPACT	ESTIMATED QUANTITY	SPECS SECTION
Transite panel with brown insulation	Perimeter R115, R117, R119, R101, R103-1, R113, R124, -east & west entrances, R128, R219, R217, R215, R226, R228, R232, R204, R206, R201, R203-east & west entrances	Removal	1,200 SF	3.7.2
Black counter material	R226-RN (1), R226-1 (1), R218-6 (1), R202 (1) south lounge, R202-2 (2) lounge, R202-1E (1), R207, R219, 22191A, 22191B, R201 cabinets, tables, cabinet display, R109-1 west counter & display shelf, R111 (2), R112-4 (2), R302 (7), R314 (1), R301 (4), R305-1 (1), R309 (4)	Removal	6000 SF	3.7.2
Black vinyl flooring-on steps	R128, R112, R126, R124	Removal	1,200 LF	3.7.1
12" beige speckled floor tile & mastic	R226-1	Removal	280 SF	3.7.1
Green chalkboard adhesive	R320 (1), R304 (1), R111 (2), R124 (4), R128 (2), R112 (2), R219 (2), R201 (1)	Removal	15 each	3.7.2
12" green speckled floor tile & mastic	R314-2	Removal	28 SF	3.7.1
White dry erase board adhesive	R301 (4), R309 (5), R307 (3), R303S (5), R303 (2), R115 (7), R119 (7), R111 (3), R126 (3), R126 (3), R112 (3), R201 (1)	Removal	45 each	3.7.2
White hood panel/vent	R202-1 (1), R219-1B (2)	Removal	240 SF	3.7.2
Fireproofing	Above ceiling on support beams, overspray on concrete decking, overspray on fibrous ducting and metal ducting	Removal	55,000 SF	3.7.5
4" pipe insulation elbows	1st, 2nd, & 3rd floor ceiling space, wall cavities, and chases	Removal	100 visible	3.7.3

MATERIAL	LOCATION	SCOPE OF IMPACT	ESTIMATED QUANTITY	SPECS SECTION
Brown sealing compound	1st, 2nd, 3rd floor ceiling space on HVAC duct seams	Removal	100 SF	3.7.2
2" pipe elbow insulation	3rd floor above ceiling	Removal	20 visible	3.7.3
6" pipe elbow & hanger insulation	3rd floor above ceiling	Removal	20 visible	3.7.3
9" white floor tile & mastic	1st floor-R103A, R109A, R109, R109-1, R111, R114, R120, R118, R118B, R128, R113, R115, R112, R126, R128, R124, R112, 2nd floor-R222, R226, R222, R220, R204, R205, R211, R215, R207, R219, R219B, R209, R201, R206, R202, R228, 3rd floor-R301, R309, R324, R326-1, R326-2, R326-3, R326 ABCE, R318-2, R304, R328, R328-1, R328-2	Removal	29,460 SF	3.7.1
9" light grey floor tile & mastic	1st floor-R112, R112-5, elevator car, 2nd floor-R222-2N, R218, R218-1, R218-3, R218-4, R218-5, R218-A, R202-2, R202-1, R228-1E, 3rd floor-R309-1, R305-1, R305, R328-2A, R314, R302-1, R302-2, R302-1E, R302-3	Removal	9,413 SF	3.7.1
9" dark grey floor tile & mastic	1 st floor corridor, R100, 122-1, 2 nd floor corridor, R200, 3 rd floor corridor, R300	Removal	3,000 SF	3.7.1
Stucco	Exterior and R403S pipe chase	Removal	21,600 SF	3.7.2
Black mastic	Greenhouse	Removal	10 SF	3.7.6
Moisture barrier material	Greenhouse floor	Removal	300 SF	3.7.4
Transite panel	Greenhouse	Removal	30 SF	3.7.2
Black duct seam mastic	East fan room-R403S, HVAC duct seams & smeared on ducts	Removal	1,000 SF	3.7.2

MATERIAL	LOCATION	SCOPE OF IMPACT	ESTIMATED QUANTITY	SPECS SECTION
9" tan floor tile & mastic	R408	Removal	120 SF	3.7.1
Roof mastic	R402-on seam of microscope opening hatch	Removal	20 SF	3.7.6
Grey sealing compound	R402-on seam of microscope opening hatch	Removal	5 SF	3.7.2
Beige tack mastic	Inside air handler room-R403S, inside duct; possibly inside chase	Removal	400 SF	3.7.2
Gas pipe insulation	R128, R112, R126, R124-to podium cabinet	Removal	12 LF	3.7.3
Vent caulking	R124, R126, R128, R112-at podium cabinet	Removal	4 SF	3.7.2
Transite pipe	R112-material may run underground	Removal	15 SF	3.7.2
Dex-O-Tek	1st floor north & south overhangs	Removal	500 SF	3.7.6
Sand plaster	Stairs, 1st floor storages, R100-NE, R100-NE, R100-SE, R100-SW, R408	Removal	900 SF	3.7.2

SUMMARY OF LEAD-BASED PAINT

COMPONENT	LOCATION	SCOPE OF IMPACT	SPECS SECTION
Ceramic coated sinks	Throughout	Removal	3.7.8
Ladder	R106	Paint stabilization	3.7.7
Ceramic wall tiles - Green blue, gray, white, pink, beige, light yellow, light blue, and yellow	Classrooms, restrooms, and closets	Removal	3.7.8
Ceramic urinals and toilet	Restrooms throughout	Removal	3.7.8
Stair enclosure	Exterior	Paint stabilization	3.7.7
Stairs	Exterior	Paint stabilization	3.7.7
Stairs treads	Exterior northeast, southeast, northwest, and southwest stairwells	Paint stabilization	3.7.7
Guard rails	2 nd and 3 rd floor east and west exterior walkways	Paint stabilization	3.7.7
Guard rails	2 nd and 3 rd floor east and west exterior walkways	Paint stabilization	3.7.7
Column	2 nd and 3 rd floor east and west exterior walkways	Paint stabilization	3.7.7

COMPONENT	LOCATION	SCOPE OF IMPACT	SPECS SECTION
Flashing (ceiling)	2 nd and 3 rd floor east and west exterior walkways	Paint stabilization	3.7.7
Handrail	Northwest, southeast, northwest, and southwest stairwells	Paint stabilization	3.7.7
Tank	Rooftop center	Paint stabilization	3.7.7
Drinking water fountains	1 st to 3 rd floor all on exteriors (3 units)	Removal	3.7.8

SUMMARY OF LIGHT FIXTURES, TUBES AND BALLASTS

Floor	No. of Light Fixtures	No. of Light Tubes	No. of Ballasts
1	363	582	363
2	418	718	418
3	370	602	370

Fluorescent light fixtures were observed on the various floors of the building. All ballasts which are not clearly marked “No PCBs” or “PCB Free” shall be assumed to contain PCBs, and shall be removed intact, packaged, and disposed of appropriately as hazardous waste. All other ballasts may be incinerated or recycled at an appropriate disposal site.

All fluorescent tubes will need to be disposed as universal waste.

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 impregnated 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:

$$\text{Total ft}^3/\text{min} = \frac{\text{Vol. of work area (in ft}^3\text{)}}{15 \text{ min}}$$

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 (TTLIC), 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. 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 PEC 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 Floor Tiles and Mastics, Various Adhesives

In preparing this plan, we have assumed that the materials may be successfully removed using manual means and methods. If removal by mechanical means becomes necessary, the contractor must notify the Client. Mechanical means of removal will require a work plan to be prepared by the contractor, to be reviewed and approved by the client prior to implementation of any mechanical means of removal.

Engineering Controls:

1. Establish critical barriers as necessary to prevent contamination outside of containment. A two-stage decontamination facility is required with a wash station. A negative pressure differential shall be maintained. If mechanical methods are used to remove mastic, full containment, including a three-stage decontamination facility and 2 layers of wall and ceiling are required in compliance with SCAQMD Rule 1403. Install signage at a minimum distance of 20 feet beyond the work area, if feasible, critical barriers as necessary, drop floors, and a 2-stage worker decontamination facility.

Min. Resp. Protection:

1. Half-face negative pressure respirators with HEPA-P100 filters. Perform the required CAL-OSHA worker exposure air monitoring.

Removal:

1. Remove using manual means and wet methods.
2. Remove in manageable section and perform continuous clean-up.
3. Apply a surfactant material to the impacted areas and allow soaking into the material. Package and label the waste immediately. Large components may be packaged using a burrito wrap technique using 2 layers of 6 mil polyethylene sheeting, if applicable.

Preparation/Transport:

1. Store all waste in a secured, lockable storage container.

Disposal:

1. Dispose of waste as non-friable, non-hazardous asbestos-containing waste. A Non-Hazardous Waste Shipment Record is required. Mastic removal solvent waste shall be disposed of at a facility permitted to accept that waste stream. Contractor shall provide proof of waste acceptance prior to the start of removal activities.

SPECIAL NOTE-solvents used for the removal of flooring adhesives or mastics can be subject to strict disposal requirements. The Abatement Contractor shall be responsible for complying liable regulations and reporting requirements if the Contractor utilizes these regulated solvents.

3.7.2 Chalkboards, Transite, Countertops, Sealing Compounds, Dry erase Mastics (ACM), ACCM Materials, and Materials with Detectable Amounts of Asbestos

Engineering Controls:

1. Establish a regulated area by placing barrier tape and signs to demarcate the area and to prevent entry by unauthorized persons. Manual removal methods only.

Min. Resp. Protection:

1. Half face air purifying respirators (APR) with P100 filters are required; provide personal monitoring and comply with Cal/OSHA requirements during removal.

Removal:

1. Remove the material by manual means and methods. Allow surfactant to soak into material and remove in manageable sections.

Preparation/Transport:

1. Package and label the waste immediately. Store all waste in a labeled, lockable roll top storage dumpster.

Disposal:

1. Dispose of waste as non-friable, non-hazardous asbestos-containing waste if manual methods are used. A Non-Hazardous Waste Shipment Record is required. ACCM and materials with any detectible amount of asbestos can be disposed of as construction debris.

3.7.3 Thermal System Insulation

Engineering Controls:

1. Install a full containment work area isolation including critical barriers, a 3-stage worker decontamination facility and temporary negative pressure differential.
2. For elbow T.S.I., removal may also be performed using a glove bag technique. For glove bag removal, install critical barriers, drop floors, signs, and a two-stage worker decontamination facility.

Min. Resp. Protection:

1. Powered Air Purifying Respirators (PARP). The respiratory protection may be downgraded to a half-face APR if the Abatement Contractor can confirm based on objective data (personal air sampling) that exposure levels to asbestos during removal of the identified material will be sufficient for that respirator.
2. Perform the required Cal/OSHA worker exposure air monitoring.

Removal:

1. Remove the material using manual means and wet methods. Allow surfactant to soak into material and remove in manageable sections. Do not let debris to accumulate, perform cleaning of up of loose debris continuously.

Preparation/Transport:

1. Package and label the waste immediately. Store all waste in a lockable storage dumpster.

Disposal:

1. Dispose of as friable, hazardous asbestos-containing waste. A waste shipment (manifest) will be required.

3.7.4 Moisture Barrier Paper

Engineering Controls:

1. Establish critical barriers and drop sheets as necessary. A one-stage decontamination facility is required with wash station.

Min. Resp. Protection:

1. Half face air purifying respirators (APR) with P100 filters are required; provide personal monitoring and comply with Cal/OSHA requirements during removal.

Removal:

1. Remove the material by manual means and methods using wet methods.

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.

3.7.5 Fireproofing

Engineering Controls:

1. Establish a containment work area by installing critical barriers (seal off all HVAC vents and other openings into the work area) and place floor, and wall polyethylene barriers (2 layers/6 mil) with a three-stage decontamination facility. Using HEPA filtered fan units, establish a temporary negative air pressure differential of -0.01 inches of water column documented at the entrance to the work area with a recording manometer. A minimum of four air changes per hour are required; machines must be exhausted to the outside of the building. Place sign and viewports as required.

Min. Resp. Protection:

1. Powered Air Purifying Respirators (PARP). The respiratory protection may be downgraded to a half-face APR if the Abatement Contractor can confirm based on objective data (personal air sampling) that exposure levels to asbestos during removal of the identified material will be sufficient for that respirator.
2. Perform the required Cal/OSHA worker exposure air monitoring.

Removal:

1. Remove the material using manual means and wet methods. Allow surfactant to soak into material and remove in manageable sections. Do not let debris to accumulate, perform cleaning of up of loose debris continuously.

Preparation/Transport:

1. Package and label the waste immediately. Store all waste in a lockable storage dumpster.

Disposal:

1. Dispose of as friable, hazardous asbestos-containing waste. A waste shipment (manifest) will be required.

3.7.6 Roof Mastic and Dex-O-Tex (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.

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.

3.7.7 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

3.7.8 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.

3.7.9 Lighting Equipment-Ballasts

The abatement contractor will be expected to segregate, package, and properly dispose of PCB light ballast, as part of this scope of work.

The contractor shall determine if the light ballast contains PCBs during renovation activities. If the unit does not have a “No PCBs” label, the ballast/transformer is assumed to contain PCBs and should be segregated and disposed of properly.

3.7.10 Mercury Light Tubes, Gauges, and Switches

The abatement contractor will be expected to segregate, package, and properly dispose of mercury light tubes, as part of this scope of work.

Mercury is present in small amounts in florescent light tubes. California State Law defines “significant quantities” as more than 15 tubes.

3.7.11 Refrigerants

Prior to renovation activities ensure all refrigerants/gases associated with HVAC/cooling equipment shall be properly collected, transported, and disposed of/recycled in accordance with Federal and California Air Resource Boards. Personnel extracting performing the removal and collection activities should be trained in compliance with the EPA’s Technician Certification Program.

All liquid waste from facilities operations (grease traps and collectors, for example), if present, should be properly removed and segregated for disposal and/or recycling.

3.7.12 Special handling for laboratory hoods/exhausts, and ducting

All fume hoods and ducting must be removed by properly trained individuals in accordance with the following procedure:

Engineering Controls:

1. Secure and isolate ventilation for area. Establish a regulated area by placing barrier tape and signs to demarcate the area and to prevent entry by unauthorized persons.

Minimum Training:

1. 40 hour HAZAWOPER with on-site orientation.

Min. Personal Protection:

1. Tyvek or equivalent full body coveralls shall be worn at all times during material handling. Safety glasses and/or face shields shall also be worn during material handling. Nitrile gloves shall be worn at all times during material handling-work gloves providing protection against cuts should also be worn.

Removal:

1. Secure and isolate ventilation for area. Place a 6 mil polyethylene drop sheet on floor in immediate area. Cap open end of ducting with polyethylene sheeting or waste bag and tape. Carefully disassemble hood and ducting in sections and cap and seal.

Preparation/Transport:

1. Coordinate in advance an area for proper storage or relocation on-site.

Disposal:

1. Dispose of in accordance with local, state and federal requirements-waste characterization and disposal to be conducted by contractor.

3.7.13 Fume Hood, Lab Bench, and Lab Plumbing

Plumbing associated with sinks where chemicals were used requires special handling. This procedure should also be followed during work related to plumbing connection as applicable.

Engineering Controls:

1. Secure and isolate ventilation for area. Establish a regulated area by placing barrier tape and signs to demarcate the area and to prevent entry by unauthorized persons.

Minimum Training:

1. 40 hour HAZAWOPER with on-site orientation.

Min. Personal Protection:

1. Tyvek or equivalent full body coveralls shall be worn at all times during material handling. Respiratory protection shall be worn during this task. The minimum level of respiratory protection shall be a ½ face piece respirator equipped with HEPA-P100/Organic cartridges. Safety glasses and/or face shields shall also be worn during material handling. Nitrile gloves shall be worn at all times during material handling. Cut resistant hand protection shall be worn while handling glass pipes.

Removal:

1. Flush sink with freshwater for a few minutes and run macerator (as applicable). Allow for additional flushing. Remove trap (if present) place in leak proof container.

Preparation/Transport:

1. Coordinate in advance an area for proper storage or relocation on-site if material will be stored on-site for re-use.

Disposal:

1. Dispose of plumbing components in leak-tight container in accordance with local, state and federal requirements. Waste characterization and disposal to be completed by contractor.

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

ASBESTOS AND LEAD DEMOLITION SURVEY

April 11, 2023

Prepared For:

Rancho Santiago Community College District

Mr. Joe Melendez

2323 North Broadway, Suite 112

Santa Ana, CA 92706

N|V|5

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

RSCC-21-11447

TABLE OF CONTENTS

1.0	Introduction.....	1
2.0	Project Background	1
3.0	Project Background	1
4.0	Methodology	1
4.1	Asbestos	1
4.2	Lead	2
4.3	Polychlorinated Biphenyls (Pcbs) In Lighting Equipment And Transformers.....	2
4.4	Mercury	2
4.5	Lab Equipment.....	2
5.0	Results.....	3
5.1	Asbestos	3
5.2	Lead	7
5.3	Polychlorinated Biphenyls (Pcbs) In Lighting Equipment And Transformers	10
5.4	Mercury	10
5.5	Lab Equipment.....	11
6.0	Conclusion And Recommendations.....	11
6.1	Asbestos	11
6.2	Lead	11
6.3	Polychlorinated Biphenyls (Pcbs) In Lighting Equipment And Transformers	12
6.4	Mercury	12
6.5	Lab Equipment.....	12
7.0	Assumptions And Limitations.....	12
8.0	Signatory	13

APPENDICES

- Appendix A: Material Inventory: Asbestos
- Appendix B: Laboratory Analytical Report and Field Notes: Asbestos
- Appendix C: Sample Location Map: Asbestos
- Appendix D: NV5 Employee Certifications
- Appendix E: Previous Reports

1.0 INTRODUCTION

From March 13 to March 18, 2023, NV5 conducted an investigation for the presence of asbestos-containing materials (ACM) at Santa Ana College Russell Hall Building R, located at 1530 W 17th Street, Santa Ana, CA 92706.

2.0 PROJECT BACKGROUND

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

3.0 PROJECT BACKGROUND

The survey included the following:

- Initial investigation to locate suspect ACM.
- Physical assessment of suspect materials
- Collection of bulk samples from suspect materials
- Laboratory analysis of all collected samples.

NV5 included lead and other hazardous waste results from previous sampling conducted by Converse Consultant (Hazardous Material Survey Dated September 6, 2018) and Alta Environmental (Limited Lead Paint Sampling Dated February 9, 2015).

At the time of the investigation NV5 was not able to access room 1223-1, 1st floor telephone closet, or the elevator shaft

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) and by 1000 point-count analysis (if the initial analytical result was less than one percent asbestos) 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 considered to be 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 as 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 structure. 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

Lead information is supplemented from the previous reports by Converse Consultants and Alta Environmental.

4.3 POLYCHLORINATED BIPHENYLS (PCBS) IN LIGHTING EQUIPMENT AND TRANSFORMERS

Light ballast information is supplemented from the previous report by Converse Consultants.

4.4 MERCURY

Mercury vapor is present in small quantities in fluorescent light tubes and may be released when the light tube is broken. Light tube information is supplemented from the previous report by Converse Consultants.

4.5 LAB EQUIPMENT

Various mechanical equipment associated with laboratories within the building are present including fume hoods and plumbing systems were observed to be present and cursory inspection was conducted.

5.0 RESULTS

5.1 ASBESTOS

The following materials were found to be asbestos-containing.

Material	Sample No.	Material Location	Asbestos Content
Carpet adhesive with black mastic	01 - 03	R103-1, R103-2, R105-3, R105-1A, R105-2, R107-2, R107-3, R117, R119, R101, R213, R213-1	2% - 4% Chrysotile
Smooth plaster**	13 - 21	R103-1, R103-2, R105-3, R105-2, R1051A, R107-1, R107-2, R107-3, R111, R113, R116, R114, R108, R120, R128, R112-4, 1st floor corridor R100, R200-corridor, R224, R226-2N, R226, R222, R220, R218, R218-1, R218-1A, R218-3, R218-4, R218-6, R218-5, R204, R206, R205, R211, R215, R217, R202, R202-2, R202-1, R228, R228-1E, R219, R219-1R, R201-1, R201-1A, R201, R213, R213-1, R209, R207, R203, R203-A restrooms, R320, R324, R322, R316, R318, R318-2, R314-2, R304, R302-1E, R302-1, R303-3, R309, R309-1, R305, R305-1, R301, R328-1, R328, R328-2, R318-1, restrooms, R300 corridor	<0.10% Chrysotile*

Material	Sample No.	Material Location	Asbestos Content
Rough plaster**	22 – 30	R103A, R109, R109-1, R122, R122-1, R118B, R128, R112, R112-1, R108, R212, R214, R326-walls & ceiling, R326-3, R314-1 (vault), R310	<0.10%* Chrysotile
Transite panel with brown insulation	46 – 48	Perimeter R115, R117, R119, R101, R103-1, R113, R124, east & west entrances, R128, R219, R217, R215, R226, R228, R232, R204, R206, R201, R203-east & west entrances	10% Chrysotile-panel None detected insulation
Black counter material	52-54, 58 – 60, 138-140	R226-RN (1), R226-1 (1), R218-6 (1), R202 (1) south lounge, R202-2 (2) lounge, R202-1E (1), R207, R219, 22191A, 22191B, R201 cabinets, tables, cabinet display, R109-1 west counter & display shelf, R111 (2), R112-4 (2), R302 (7), R314 (1), R301 (4), R305-1 (1), R309 (4)	30% chrysotile
Black vinyl flooring-on steps	85 – 87	R128, R112, R126, R124	None detected-flooring None detected-beige adhesive 15% chrysotile -black mastic
12" beige speckled floor tile & mastic	100 – 102	R226-1	None detected-tile 3% chrysotile-mastic
Green chalkboard adhesive	109 – 111A	R320 (1), R304 (1), R111 (2), R124 (4), R128 (2), R112 (2), R219 (2), R201 (1)	2% Chrysotile
12" green speckled floor tile & mastic	120 – 122	R314-2	None detected-tile 3% - 5% chrysotile-mastic
White dry erase board adhesive	144 – 146	R301 (4), R309 (5), R307 (3), R303S (5), R303 (2), R115 (7), R119 (7), R111 (3), R126 (3), R126 (3), R112 (3), R201 (1)	2% Chrysotile

Material	Sample No.	Material Location	Asbestos Content
White hood panel/vent	147 - 149	R202-1 (1), R219-1B (2)	20% Chrysotile
Fireproofing	153 - 161	Above ceiling on support beams, overspray on concrete decking, overspray on fibrous ducting and metal ducting	15% Chrysotile
4" pipe insulation elbows	162 - 170	1st, 2nd, & 3rd floor ceiling space, wall cavities, chases	2% Chrysotile 20% Amosite
Brown sealing compound	177 - 182	1st, 2nd, 3rd floor ceiling space on HVAC duct seams	3% Chrysotile
2" pipe elbow insulation	198 - 199A	3rd floor above ceiling	20% Amosite
6" pipe elbow & hanger insulation	199B - 199D	3rd floor above ceiling	20% Amosite
9" white floor tile & mastic	200 - 208	1st floor-R103A, R109A, R109, R109-1, R111, R114, R120, R118, R118B, R128, R113, R115, R112, R126, R128, R124, R112, 2nd floor-R222, R226, R222, R220, R204, R205, R211, R215, R207, R219, R219B, R209, R201, R206, R202, R228, 3rd floor-R301, R309, R324, R326-1, R326-2, R326-3, R326 ABCE, R318-2, R304, R328, R328-1, R328-2	5% - 8% Chrysotile-tile 15% Chrysotile-mastic
9" light grey floor tile & mastic	209 - 217	1st floor-R112, R112-5, elevator car, 2nd floor-R222-2N, R218, R218-1, R218-3, R218-4, R218-5, R218-A, R202-2, R202-1, R228-1E, 3rd floor-R309-1, R305-1, R305, R328-2A, R314, R302-1, R302-2, R302-1E, R302-3	8% Chrysotile-tile 10% Chrysotile-mastic

Material	Sample No.	Material Location	Asbestos Content
9" dark grey floor tile & mastic	218 - 226	1 st floor corridor, R100, 122-1, 2 nd floor corridor, R200, 3 rd floor corridor, R300	5% Chrysotile-tile 10% Chrysotile-mastic
Stucco**	227 - 235	Exterior walls	None detected-finish coat <0.10%* Chrysotile base coat
Black mastic	245 - 247	Greenhouse	3% Chrysotile
Moisture barrier material	248 - 250	Greenhouse floor	10% Chrysotile
Transite panel	251 - 253	Greenhouse	20% Chrysotile
Black mastic	257 - 259	East fan room-R403S, HVAC duct seams & smeared on ducts	3% Chrysotile
Stucco**	260 - 262	R403S NW pipe shaft	None detected-finish coat <0.10%* Chrysotile-base coat
Sand plaster**	263 - 265	R408	None detected-finish coat <0.10%* Chrysotile-base coat
9" tan floor tile & mastic	266 - 268	R408	3% Chrysotile-tile 5%Chrysotile-mastic
Roof mastic	284 - 286	R402-on seam of microscope opening hatch	3% Chrysotile
Grey sealing compound	290 - 292	R402-on seam of microscope opening hatch	10% Chrysotile
Beige tack mastic	314 - 316	Inside air handler room-R403S, inside duct; possibly inside chase	2% Chrysotile
Gas pipe insulation	338 - 340	R128, R112, R126, R124-to podium cabinet	25% - 40% Chrysotile
Vent caulking	341 - 343	R124, R126, R128, R112-at podium cabinet	3% Chrysotile
Transite pipe	344 - 346	R112-material may run underground	25% Chrysotile
Dex-O-Tek	350 - 352	1st floor north & south overhangs	None detected-cap sheet, anti-skid, adhesive; 50% Chrysotile-felt, none detected - mortar

Material	Sample No.	Material Location	Asbestos Content
Sand plaster	365 – 367	Stairs, 1st floor storages, R100-NE, R100-NE, R100-SE, R100-SW	None detected - finish coat 0.18% - 0.31%* Chrysotile-base coat

Notes: Asbestos floor tile and mastic observed beneath drywall walls and assumed beneath all cabinets and in place shelving. No access room 1223-1 and telephone equipment closet on 1st floor. No access to elevator shaft.

***Analyzed by 1,000 point count**

****When asbestos is present in any amount, be advised that certain provisions of Cal-OSHA regulation Title 8 Section 1529 still apply. These include, but are not limited to, exposure assessments, air monitoring, hazard communication, prohibitions, and work practices, such as wet methods and HEPA vacuuming.**

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 greater than one-tenth of one percent of asbestos by weight as determined by the PLM method of analysis, Cal/OSHA mandates that the material(s) be treated as an asbestos-containing construction material (ACCM), subject to regulation under *CCR Title 8, Section 1529*.

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 1.0 mg/cm² of surface area by XRF testing or 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.

Please refer to Appendix E, Field Notes, for the Summary Report of Lead Based Paint Inspection and the Sequential Report of Lead Paint Inspection. The following tested surfaces were found to contain lead concentrations equal to or greater than 1.0 mg/cm².

Reading No.	Structure	Material Location	Paint Color	Condition	Substrate	Lead (mg/cm ²)
Converse Consultant (Hazardous Material Survey Dated September 6, 2018)						
18	Sink	R103-2	White	Intact	Ceramic	38.1
74	Ladder	R106	Brown	Intact	Metal	2.7
77	Wall tile	R104	Green	Intact	Ceramic	12.2
79	Toilet	R104	White	Intact	Ceramic	10.1
93	Wall	R132	Blue	Intact	Ceramic	2.2
102	Wall	R102	Gray	Intact	Ceramic	10.1
103	Wall	R102	White	Intact	Ceramic	7.2
109	Wall	R106	Pink	Intact	Ceramic	7.7
111	Urinal	R106	White	Intact	Ceramic	3.3
112	Toilet	R106	White	Intact	Ceramic	8.1
127	Wall	R206	Green	Intact	Ceramic	7.2
129	Sink	R206	White	Intact	Ceramic	10.1
136	Wall	R210	Pink	Intact	Ceramic	7.4
137	Sink	R210	White	Intact	Ceramic	5.5
202	Wall	R219-1	Beige	Intact	Ceramic	9.9
204	Wall	R219-1	Pink	Intact	Ceramic	6.6
209	Wall	R201-1	Green	Intact	Ceramic	7.5
226	Wall	R306	Light blue	Intact	Ceramic	15.1
228	Sink	R306	White	Intact	Ceramic	4.7
237	Wall	R308	Yellow	Intact	Ceramic	18.2

Reading No.	Structure	Material Location	Paint Color	Condition	Substrate	Lead (mg/cm ²)
332	Stair enclosure	Exterior	Brown	Intact	Metal	1.3
334	Stairs	Exterior	Yellow	Intact	Concrete	1.3
336	Sink	401	White	Intact	Ceramic	36
366	Mop sink	R122	White	Intact	Ceramic	27.6
Alta Environmental (Limited Lead Paint Sampling Dated February 9, 2015)						
21	Stairs treads	Exterior northeast, southeast, northwest, and southwest stairwells	Yellow	Intact	Metal	1.3
23	Guard rails	2 nd and 3 rd floor east and west exterior walkways	White	Intact	Metal	2.9
24	Guard rails	2 nd and 3 rd floor east and west exterior walkways	Brown	Intact	Metal	2.1
25	Column	2 nd and 3 rd floor east and west exterior walkways	Brown	Intact	Metal	1.7
26	Flashing (ceiling)	2 nd and 3 rd floor east and west exterior walkways	Brown	Intact	Metal	2.2
27, 39	Handrail	Northwest, southeast, northwest, and southwest stairwells	Brown	Fair	Metal	4.0
35	Tank	Rooftop center	White	Intact	Metal	>9.9

Reading No.	Structure	Material Location	Paint Color	Condition	Substrate	Lead (mg/cm ²)
38	Drinking water fountain	1 st to 3 rd floor all on exteriors (3 units)	White	Intact	Ceramic	5.2

Note: Lead-based coatings on ceramic tiles are normally fused into the substrate during manufacture and may not exhibit similar damage characteristics to paints and coatings applied on-site. Unless the ceramic tile coatings are easily separated from their substrate, the recommendations in Section 6 may not apply.

5.3 POLYCHLORINATED BIPHENYLS (PCBS) IN LIGHTING EQUIPMENT AND TRANSFORMERS

Converse Consultants inspected a representative number (typically 2-5%) of each type of light fixture observed for PCB containing ballasts. All ballasts that were visually inspected were labeled "No PCBs". During demolition activities, the light fixtures must be dismantled, and the ballast exposed so the label on each light ballast can be examined. If the ballast is not clearly labeled "no PCBs" the ballast should be assumed to contain PCBs. All PCB ballasts must be segregated for proper disposal.

At the time of the inspection the transformers on the exterior of the building were live and Alta was not able to collect samples of dielectric fluid. This material is assumed to contain PCBs until confirmation samples can be taken.

5.4 MERCURY

Fluorescent Light Tubes

All fluorescent light tubes contain small amounts of mercury that is released when the light tube is broken.

The following quantities were observed:

Floor	No. of Light Fixtures	No. of Light Tubes	No. of Ballasts
1	363	582	363
2	418	718	418
3	370	602	370

5.5 LAB EQUIPMENT

Mechanical systems associated with chemistry and biology labs included fume hoods and plumbing systems. NV5 conducted a cursory inspection of these systems. Fume hoods show signs chemical staining and in some cases residue. Ducting for these systems was not inspected; however, it is likely that residual dust and debris from operations within the hoods are present.

Plumbing systems associated with fume hoods and lab benches include glass drain lines and traps. Build-up, debris and liquid were observed to be present.

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.

Point counting, an analytical method to further identify asbestos content of less than one percent, was used to determine whether the tested materials contained more than one-tenth of one percent asbestos. Since the sand plaster contained more than one-tenth of one percent asbestos, it is regulated under Cal/OSHA as an asbestos-containing building 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 (TTLIC), 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.

6.3 POLYCHLORINATED BIPHENYLS (PCBS) IN LIGHTING EQUIPMENT AND TRANSFORMERS

Converse Consultants inspected a representative number (typically 2-5%) of each type of light fixture observed for PCB containing ballasts. All ballasts that were visually inspected were labeled "No PCBs". During demolition activities, the light fixtures must be dismantled, and each ballast exposed so that the label on each light ballast can be examined. If a label is missing or is not clearly labeled "No PCB" by the manufacture, the unit must be assumed to contain PCBs. Units assumed to be PCBs shall be segregated and packaged for proper disposal in accordance with all federal, state, and local regulations and guidelines.

All fluorescent tubes will need to be diseased as universal waste.

6.4 MERCURY

All fluorescent light tubes from this project must be segregated, packaged and disposed of in accordance with all Federal, State, and local regulations and guidelines including 40 CFR Part 261, and CCR Title 22 Sections 66261 and 66699. These light tubes typically contain concentrations of mercury exceeding the established Total Threshold Limit Concentration and/or the Soluble Threshold Limit Concentration values.

6.5 LAB EQUIPMENT

Lab related mechanical equipment should be handled and disposed of in accordance with applicable worker protection and disposal requirements. All work impacting these systems should be completed by individuals with HAZWOPER training. Waste characterization and disposal should be conducted in accordance with current state and federal hazardous waste requirements.

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

David Schack, Vice President
 Certified Asbestos Consultant
 Cal/OSHA Cert. #92-0219
 Lead Inspector/Assessor CDPH Cert.
 #LRC-00002121

APPENDIX A

Material Inventory: Asbestos

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Carpet adhesive with black mastic	01	4% Chrysotile	R103-1, NW	R103-1, R103-2, R105-3, R105-1A, R105-2, R107-2, R107-3, R117, R119, R101, R213, R213-1	6,000 SF	No	No
Carpet adhesive with black mastic	02	None detected	R105-03, NW				
Carpet adhesive with black mastic	03	2% chrysotile	R103-2, center				
4" dark grey cove base with adhesive	04	None detected-base & adhesive	R105-3, NW	R105-3, R120, R118, R118B, R124	250 LF	No	No
4" dark grey cove base with adhesive	05	None detected-base & adhesive	R124, SW				
4" dark grey cove base with adhesive	06	None detected-base & adhesive	R118, SE				
2'x4' smooth ceiling panel	07	None detected	R-103-1, center	R103-1, R103-2, R103-A, R105-3, R105-1A, R105-2, R111, R113, R116, R100, R114, R118, R120, R128, R112, R112-4, R115, R117, R119, R101, R124, R126, R112, R222, R220, R218, R218-2, R218-1A, R200, R224, R226-2N, R226, R218-3, R218-4, R218-6, R204, R206, R205, R211, R215, R212, R202, R202-1, R202-2, R202-1E, R228, R201, R201-1, R219, R219A, R219-1B, R320, R322, R324, R316, R318, R318-2, R302, R304, R302-1E, R302-1, R301	39,000 SF	Yes	No
2'x4' smooth ceiling panel	08	None detected	R302, NW				
2'x4' smooth ceiling panel	09	None detected	R218, NE				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
2'x4' fissured ceiling panel	10	None detected	R109, center	R102, R107-2, R107-3, R109, R109-1, R118-B, R100, R226-2N, R226-1, R201, R203, R203-A, R325-3, R218-2, R314-2, R304, R302-1E, R302-1, R302-3, R328, R328-1	9,000 SF	Yes	No
2'x4' fissured ceiling panel	11	None detected	R203A, NE				
2'x4' fissured ceiling panel	12	None detected	R328, center				
Smooth plaster	13	None detected	R103-1, west center	R103-1, R103-2, R105-3, R105-2, R1051A, R107-1, R107-2, R107-3, R111, R113, R116, R114, R108, R120, R128, R112-4, 1st floor corridor R100, R200-corridor, R224, R226-2N, R226, R222, R220, R218, R218-1, R218-1A, R218-3, R218-4, R218-6, R218-5, R204, R206, R205, R211, R215, R217, R202, R202-2, R202-1, R228, R228-1E, R219, R219-1R, R201-1, R201-1A, R201, R213, R213-1, R209, R207, R203, R203-A restrooms, R320, R324, R322, R316, R318, R318-2, R314-2, R304, R302-1E, R302-1, R303-3, R309, R309-1, R305, R305-1, R301, R328-1, R328, R328-2, R318-1, restrooms, R300	75,000 SF	No	No
Smooth plaster	14	None detected	R111, NE by entrance				
Smooth plaster	15	None detected	R112-4, south center				
Smooth plaster	16	None detected	R226, east center				
Smooth plaster	17	None detected	R218 by R217, SW				
Smooth plaster	18	None detected	R217, NE				
Smooth plaster	19	None detected	R302, SE				
Smooth plaster	20	<0.1% Chrysotile by 1,000 point count	R309, SE at column				
Smooth plaster	21	None detected	R301, NW				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Rough plaster	22	None detected	R103-A, south center	R103A, R109, R109-1, R122, R122-1, R118B, R128, R112, R112-1, R108, R212, R214, R326-walls & ceiling, R326-3, R314-1 (vault), R310	10,500 SF	No	No
Rough plaster	23	None detected	R109, west center				
Rough plaster	24	None detected	R118B, north center				
Rough plaster	25	None detected	R212, north center				
Rough plaster	26	None detected	R214, SE				
Rough plaster	27	None detected	R214, NW				
Rough plaster	28	<0.1% Chrysotile by 1,000 point count	R314-1, west center				
Rough plaster	29	None detected	R326-2, SW				
Rough plaster	30	None detected	R310, SE	Dividing walls: R105-2 & R105-AA, R107-1, R107-2 & R107-3	950 SF	No	No
Dividing drywall wall panel with adhesive	31	None detected	R107-02, south center				
Dividing drywall wall panel with adhesive	32	None detected	R107-3, NE				
Dividing drywall wall panel with adhesive	33	None detected	R105-2, south center	R105-2, R103-1-north walls	380 SF	No	No
Plywood wall panel with adhesive	34	None detected	R105-2, NE				
Plywood wall panel with adhesive	35	None detected	R105-2, north center				
Plywood wall panel with adhesive	36	None detected	R103-1, north center				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Fiber wall panel with adhesive	37	None detected	R105-3, north center-top	R105-3, north wall	200 SF	No	No
Fiber wall panel with adhesive	38	None detected	R105-3, north center-bottom				
Fiber wall panel with adhesive	39	None detected	R105-3, NE side				
Cork wall panel with adhesive	40	None detected	R103-1, west wall, north	R103-1, west wall; R111, all walls	1400 SF	No	No
Cork wall panel with adhesive	41	None detected	R111, NE by entrance				
Cork wall panel with adhesive	42	None detected	R111, SW				
4" light grey cove base & adhesive	43	None detected-base & adhesive	R103A, south center	R103A, R200 corridor	500 LF	No	No
4" light grey cove base & adhesive	44	None detected-base & adhesive	R200 by R214 entrance				
4" light grey cove base & adhesive	45	None detected-base & adhesive	R200, SE				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Transite panel with brown insulation	46	10% Chrysotile-panel None detected-insulation	R103-2, SE	Perimeter R115, R117, R119, R101, R103-1, R113, R124,-east & west entrances, R128, R219, R217, R215, R226, R228, R232, R204, R206, R201, R203-east & west entrances	936 SF 4'x4' size/54 each 1.5'x2' size/24 each	No	No
Transite panel with brown insulation	47	10% Chrysotile-panel None detected-insulation	R215, SW				
Transite panel with brown insulation	48	10% Chrysotile-panel None detected-insulation	R301, SE				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Black counter material/laminate	49	None detected	R111, NE	R111, R109-1, R128, R226-12N, R226-all laminate-5 tables, 5 counters; R218 (1), R302 (4), R302-3 (5), R202 (4) tables, R202-1 (1), R202-1E (1), R228 (8), R111, all tables.	1600 SF	No	No
Black counter material/laminate	50	None detected	R226-2N, SW				
Black counter material/laminate	51	None detected	R302, SW				
Black counter material	52	None detected	R228-1E, south center,	R226-RN (1), R226-1 (1), R218-6 (1), R202 (1) south lounge, R202-2 (2) lounge, R202-1E (1), R207, R219, 22191A, 22191B, R201 cabinets, tables, cabinet display, R109-1 west counter & display shelf, R111 (2), R112-4 (2), R302 (7), R314 (1), R301 (4), R305-1 (1), R309 (4)	6,000 SF	No	No
Black counter material	53	None detected	R218, west center				
Black counter material	54	None detected	R226-2N, north center				
Black sink material	55	None detected	R111, NE	All floors-R111 (2), R109-1 (1), R128 (1), R112-4 (2), R225-RR (3), R226-1 (2), R218-6 (3), R302 (7), R202 (1), R202-1E (2)	40 each	No	No
Black sink material	56	None detected	R226-RN, SE				
Black sink material	57	None detected	R302, west center				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Black counter material	52	None detected	R228-1E, south center,	R226-RN (1), R226-1 (1), R218-6 (1), R202	6,000 SF	No	No
Black counter material	53	None detected	R218, west center	(1) south lounge, R202-2 (2) lounge, R202-1E (1), R207, R219, 22191A,			
Black counter material	54	None detected	R226-2N, north center	22191B, R201 cabinets, tables, cabinet display, R109-1 west counter & display shelf, R111 (2), R112-4 (2), R302 (7), R314 (1), R301 (4), R305- 1 (1), R309 (4)			
4" tan cove base & adhesive	61	None detected-base & adhesive	R109-SE	R109, R109-1, R111, R114, R128, R112, R112- 1 - R112-4, R224, R226, R214, R226RN, R218-6, R206, R205, R211, R215, R217, R320, R322, R304, R302-1E, R302-1, R302- 3, R301, R303, R305-1. R202, R202-2, R202-1, R202-1E, R228, R201, R307, R318	2200 LF	No	No
4" tan cove base & adhesive	62	None detected-base & adhesive	R304-SW	R111, NW table			
4" tan cove base & adhesive	63	None detected-base & adhesive	R217, NW				
Black cloth & mesh material	64	None detected-cloth & mesh	R111, northwest		1 ea SF 30	No	No
Black cloth & mesh material	65	None detected-cloth & mesh	R111, northwest				
Black cloth & mesh material	66	None detected-cloth & mesh	R111, northwest				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Bulletin board and adhesive	67	None detected-board & adhesive	R113, SE	R113 (1), R111 (1), R224 (2), R217 (1), R215 (2), R324 (1), R202-2 (1), R201 (3)	406 SF	No	No
Bulletin board and adhesive	68	None detected-board & adhesive	R116, NW				
Bulletin board and adhesive	69	None detected-board & adhesive	R217, east center				
Self adhesive carpet	70	None detected	R113, SW	R113, R116, R120, R118, R118B, R222, R117, R119, R101, R203, R203A	4800 SF	No	No
Self adhesive carpet	71	None detected	R116, center				
Self adhesive carpet	72	None detected	R118B, Center				
4" brown cove base & adhesive	73	None detected-base & adhesive	R113, east center	R113, R114, R128, R218, R218-1, R218-1A, R218-5, R218-4, R204, R318, R318-2	760 LF	No	No
4" brown cove base & adhesive	74	None detected-base & adhesive	R112, SE corner				
4" brown cove base & adhesive	75	None detected-base & adhesive	R318, NE				
Drywall (no joint compound)	76	None detected	R122-1, NW	Dividing wall for Rooms R122 & R122-1	200 SF	No	No
Drywall (no joint compound)	77	None detected	R122-1, SW				
Drywall (no joint compound)	78	None detected	R122-1, east center				
4" black cove base & adhesive	79	None detected-base & adhesive	R122-1, west center	R122, R122-1, R222, R220, R316, R128	560 LF	No	No
4" black cove base & adhesive	80	None detected-base & adhesive	R222-NE				
4" black cove base & adhesive	81	None detected-base & adhesive	R316, north center				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Wall paper & adhesive	82	None detected-paper & adhesive	R114, SE	Walls-R114, R128, R100-corridor, R200-corridor, R300-corridor	3600 SF	No	No
Wall paper & adhesive	83	None detected-paper & adhesive	R200 by R214 entrance				
Wall paper & adhesive	84	None detected-paper & adhesive	data missing				
Black vinyl flooring-on steps	85	None detected-vinyl none detected-beige adhesive 15%-black mastic	R128, SW	R128, R112, R126, R124	1200 LF	No	No
Black vinyl flooring-on steps	86	None detected-vinyl none detected-beige adhesive	R112, SE corner				
Black vinyl flooring-on steps	87	None detected-vinyl none detected-beige adhesive	R126, north center				
Grey window casing sealant	88	None detected	R103-2, SE	Perimeter interior of casings for windows & doors	100 SF	No	No
Grey window casing sealant	89	None detected	R215, SW				
Grey window casing sealant	90	None detected	R301, SE				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Drywall/joint compound composite	91	None detected-drywall & joint compound	R112-1, west center	R112-1-west wall & ceiling, R118B-south wall at entrance	250 SF	No	No
Drywall/joint compound composite	92	None detected-drywall & joint compound	R112-1, west center-ceiling				
Drywall/joint compound composite	93	None detected-drywall & joint compound	R118B, SE by entrance				
Drywall/joint compound composite	94	None detected-drywall & joint compound	R100, north center	R100 1st floor corridor, north wall at water fountain	100 SF	No	No
Drywall/joint compound composite	95	None detected-drywall & joint compound	R100, north center				
Drywall/joint compound composite	96	None detected-drywall & joint compound	R100, north center				
Drywall/joint compound composite	97	None detected-drywall & joint compound	R328-1, NW	Dividing wall for rooms R328 & R328-1	200 SF	No	No
Drywall/joint compound composite	98	None detected-drywall & joint compound	R328-1, NE				
Drywall/joint compound composite	99	None detected-drywall & joint compound	R328, SE				
12" beige speckled floor tile & mastic	100	None detected-tile 3% chrysotile-mastic	R226-1, north center	R226-1	280 SF	No	No
12" beige speckled floor tile & mastic	101	None detected-tile 3% chrysotile-mastic	R226-1, west center				
12" beige speckled floor tile & mastic	102	None detected-tile 3% chrysotile-mastic	R226-1, SW				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
4" black cove base & adhesive	103	None detected-base & adhesive	R226-1	R226-1, R309-1	220 LF	No	No
4" black cove base & adhesive	104	None detected-base & adhesive	R309-1, SE				
4" black cove base & adhesive	105	None detected-base & adhesive	R222-NE				
Drywall panel with adhesive	106	None detected-panel & adhesive	R218-5, west center	R222-south wall, dividing walls for R2181A, R218-3, R218-4, R218-5	850 SF	No	No
Drywall panel with adhesive	107	None detected-panel & adhesive	R218A, south center				
Drywall panel with adhesive	108	None detected-panel & adhesive	R218-3, west center				
Green chalkboard adhesive	109	2% Chrysotile	R320, west center	R320 (1), R304 (1), R111 (2), R124 (4), R128 (2), R112 (2), R219 (2), R201 (1)	15 ea	No	No
Green chalkboard adhesive	110	2% Chrysotile	R304, east center				
Green chalkboard adhesive	111	2% Chrysotile	R111, SW (encased in wood)				
Green chalkboard adhesive	111A	2% Chrysotile	R111, NE on plaster				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Drywall/joint compound composite	112	None detected-drywall & joint compound	R326-2, SE	R326-1, R326-2, R326-3, R326 ABCE-dividing walls & ceilings, R318-2, west wall	2,200 SF	No	No
Drywall/joint compound composite	113	None detected-drywall & joint compound	R326A, NE				
Drywall/joint compound composite	114	None detected-drywall & joint compound	R326-5, SW				
Drywall/joint compound composite	115	None detected-drywall & joint compound	R326E, north center				
Drywall/joint compound composite	116	None detected-drywall & joint compound	R326B, NE				
4" brown cove base & adhesive	117	None detected-base & adhesive	R326-2, NE				
4" brown cove base & adhesive	118	None detected-base & adhesive	R326A, NE	R326-1, R326-2, R326-3, R326 ABCE	175 LF	No	
4" brown cove base & adhesive	119	None detected-base & adhesive	R326A, NW				
12" green speckled floor tile & mastic	120	None detected-tile 3% chrysotile-mastic	R314-2, north center				R314-2
12" green speckled floor tile & mastic	121	None detected-tile 5% chrysotile-mastic	R314-2, west center				
12" green speckled floor tile & mastic	122	None detected-tile 5% chrysotile-mastic	R314-2, SW				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Drywall/joint compound composite	123	None detected-drywall & joint compound	R314-2, NE	R314-2, south & east walls	250 SF	No	No
Drywall/joint compound composite	124	None detected-drywall & joint compound	R314-2, SE				
Drywall/joint compound composite	125	None detected-drywall & joint compound	R314-2, SW				
Beige with grey & blue dots floor sheeting	126	None detected-floor sheet & adhesive	R302, west center	R302	1350 SF	No	No
Beige with grey & blue dots floor sheeting	127	None detected-floor sheet & adhesive	R302, center				
Beige with grey & blue dots floor sheeting	128	None detected-floor sheet & adhesive	R302, north center				
4" light brown cove base & adhesive	129	None detected-base & adhesive	R302, north center	R302	160 LF	No	No
4" light brown cove base & adhesive	130	None detected-base & adhesive	R302, NW				
4" light brown cove base & adhesive	131	None detected-base & adhesive	R302, west center				
4" light brown cove base & adhesive	132	None detected-base & adhesive	R302-Table #1	R302 on wood counters (lab tables)	200 LF	No	No
4" light brown cove base & adhesive	133	None detected-base & adhesive	R302-Table #2				
4" light brown cove base & adhesive	134	None detected-base & adhesive	R302-Table#3				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
3" bluish covebase & adhesive	135	None detected	R302-1E, south center	On cabinets-R302-1E, R301, R309, R309-1, R305-1, R303, R305, R304, R328-2N, R302, R228, R226, R226-2, R226-1, R226-2, R213, R228-1, R202-1, R202-2, R218, R201, R217, R207-1, R109-1, R111, R212-4, Lecture Hall at podiums	2800 LF	No	No
3" bluish covebase & adhesive	136	None detected	R301, SW on table south center				
3" bluish covebase & adhesive	137	None detected	R202, NW cabinet				
Black counter material	138	None detected	R302-1E, north center	R226-RN (1), R226-1 (1), R218-6 (1), R202 (1)south lounge, R202-2 (2) lounge, R202-1E (1), R207, R219, 22191A, 22191B, R201 cabinets, tables, cabinet display, R109-1 west counter & display shelf, R111 (2), R112-4 (2), R302 (7), R314 (1), R301 (4), R305-1 (1), R309 (4)	6,000 SF	No	No
Black counter material	139	None detected	R302-1, SW				
Black counter material	140	None detected	R314, east center				
White hood panel/vent	141	None detected	R302, SW	R301(7), R302(4), R309(4)	15/ea SF	No	No
White hood panel/vent	142	None detected	R314, SE		80		
White hood panel/vent	143	None detected	R309, SW				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
White dry erase board adhesive	144	2% Chrysotile	R301, SW	R301 (4), R309 (5), R307 (3), R303S (5), R303 (2), R115 (7), R119 (7), R111 (3), R126 (3), R126 (3), R112 (3), R201 (1)	45 ea	No	No
White dry erase board adhesive	145	2% Chrysotile	R117, west center				
White dry erase board adhesive	146	2% Chrysotile	data missing				
White hood panel/vent	147	20% Chrysotile	R202-2	R202-1 (1), R219-1B (2)	240 SF	No	No
White hood panel/vent	148	20% Chrysotile	R219-1B, SE				
White hood panel/vent	149	20% Chrysotile	R219-1B, north				
Sink undercoating	150	None detected	R228	R228 (4)	4 ea	No	No
Sink undercoating	151	None detected	R228				
Sink undercoating	152	None detected	data missing				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Beige hood panel/vent	152A	None detected	R305-1	R305-1 (2), R314 (1)	160 SF	No	No
Beige hood panel/vent	152B	None detected	R305-1				
Beige hood panel/vent	152C	None detected	R314				
Fireproofing	153	15% Chrysotile	R107-2E, center	Above ceiling on support beams, overspray on concrete decking, overspray on fibrous ducting and metal ducting	55,000 SF	Yes	No
Fireproofing	154	15% Chrysotile	R112-4, SW				
Fireproofing	155	15% Chrysotile	R113, SW				
Fireproofing	156	15% Chrysotile	R201, SE				
Fireproofing	157	15% Chrysotile	R202, SW				
Fireproofing	158	15% Chrysotile	R218, center				
Fireproofing	159	15% Chrysotile	R305, center				
Fireproofing	160	15% Chrysotile	R314-1, SE				
Fireproofing	161	15% Chrysotile	R328, east center				
4" pipe insulation elbows	162	None detected	R103-2A, north center				
4" pipe insulation elbows	163	None detected	R113, SE				
4" pipe insulation elbows	164	<1% Chrysotile	R126, NW				
4" pipe insulation elbows	165	None detected	R201, south center				
4" pipe insulation elbows	166	<1% Chrysotile	R202, NE				
4" pipe insulation elbows	167	2% Chrysotile	R226, NW				
4" pipe insulation elbows	168	20% Amosite	R302, west center				
4" pipe insulation elbows	169	None detected	R300 corridor, SE				
4" pipe insulation elbows	170	None detected	R303-S, NW				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
White HVAC seam tape	171	None detected	R103-2, center	1st, 2nd, & 3rd floor ceiling space on HVAC duct seams, in duct chase	600 SF	No	No
White HVAC seam tape	172	None detected	R113, SE				
White HVAC seam tape	173	None detected	R112-4, south center				
White HVAC seam tape	174	None detected	R201, SE				
White HVAC seam tape	175	None detected	R228-1, north center				
White HVAC seam tape	176	None detected	R226, NW				
Brown sealing compound	177	None detected	R103-2, north center				
Brown sealing compound	178	None detected	R114-1, south center				
Brown sealing compound	179	None detected	R113, SE				
Brown sealing compound	180	3% Chrysotile	R302, east center				
Brown sealing compound	181	3% Chrysotile	R302, SE				
Brown sealing compound	182	3% Chrysotile	R302, SE				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Grey sealing compound	183	None detected	R218, west center	1st, 2nd, 3rd floor ceiling space on ducts to vent hoods, 1st, 2nd, 3rd floor HVAC ducts	200 SF	No	No
Grey sealing compound	184	None detected	R218-A, NE				
Grey sealing compound	185	None detected	R218-A, NE				
Grey sealing compound	186	None detected	R301, SW				
Grey sealing compound	187	None detected	R301, SW				
Grey sealing compound	188	None detected	R328, west center				
Red adhesive material	189	None detected	R301-1, NW	Inside return air ducting, behind interior fiberglass insulation-above ceiling spaces on all floors	400 SF	No	
Red adhesive material	190	None detected	R107-1, SE				
Red adhesive material	191	None detected	R126, SW				
Red adhesive material	192	None detected	R202, SW				
Red adhesive material	193	None detected	R228, SE				
Red adhesive material	194	None detected	R219, SW				
Black felt paper	195	None detected	R228-1, east center	Room 228-1 above suspended ceiling	200 SF	No	
Black felt paper	196	None detected	R228-1, center				
Black felt paper	197	None detected	R228-1, west center				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
2" pipe elbow insulation	198	None detected	R302, NW	3rd floor above ceiling	20 visible	Yes	No
2" pipe elbow insulation	199	None detected	R302, NW				
2" pipe elbow insulation	199A	20% Amosite	R302, NW				
6" pipe elbow & hanger insulation	199B	None detected	R303-S, NW	3rd floor above ceiling	20 visible	Yes	No
6" pipe elbow & hanger insulation	199C	None detected	R303-S, south center				
6" pipe elbow & hanger insulation	199D	20% Amosite	R302-3, west center				
9" white floor tile & mastic	200	8% Chrysotile-tile 5% Chrysotile-mastic	1st floor-R103A, center	1st floor-R103A, R109A, R109, R109-1, R111, R114, R120, R118, R118B, R128, R113, R115, R112, R126, R128, R124, R112	29,460 SF	No	No
9" white floor tile & mastic	201	8% Chrysotile-tile 10% Chrysotile-mastic	1st floor-R111, SW				
9" white floor tile & mastic	202	8% Chrysotile-tile 10% Chrysotile-mastic	1st floor-R128, SW				
9" white floor tile & mastic	203	8% Chrysotile-tile 10% Chrysotile-mastic	2nd floor-R224, NW	2nd floor-R222, R226, R222, R220, R204, R205, R211, R215, R207, R219, R219B, R209, R201, R206, R202, R228	29,460 SF	No	No
9" white floor tile & mastic	204	5% Chrysotile-tile 15% Chrysotile-mastic	2nd floor-R215, east center				
9" white floor tile & mastic	205	5% Chrysotile-tile 15% Chrysotile-mastic	2nd floor, R204, center				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
9" white floor tile & mastic	206	8% Chrysotile-tile 10% Chrysotile-mastic	3rd floor-R302,SW	3rd floor-R301, R309, R324, R326-1, R326-2, R326-3, R326 ABCE, R318-2, R304, R328, R328-1, R328-2	29,460 SF	No	No
9" white floor tile & mastic	207	8% Chrysotile-tile 10% Chrysotile-mastic	3rd floor-R301,south center				
9" white floor tile & mastic	208	5% Chrysotile-tile 15% Chrysotile-mastic	3rd floor-R326, center				
9" light grey floor tile & mastic	209	8% Chrysotile-tile	1st floor-R124, center	1st floor-R112, R112-5, elevator car	9,413 SF	No	No
9" light grey floor tile & mastic	210	8% Chrysotile-tile	1st floor-R112,center				
9" light grey floor tile & mastic	211	8% Chrysotile-tile	1st floor-R112, by entrance				
9" light grey floor tile & mastic	212	8% Chrysotile-tile 10% Chrysotile-mastic	2nd floor-R228-1E, north center	2nd floor-R222-2N, R218, R218-1, R218-3, R218-4, R218-5, R218-A, R202-2, R202-1, R228-1E	9,413 SF	No	No
9" light grey floor tile & mastic	213	8% Chrysotile-tile 10% Chrysotile-mastic	2nd floor-R218, NW				
9" light grey floor tile & mastic	214	5% Chrysotile-tile 15% Chrysotile-mastic	2nd floor-R236-2N, south center				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
9" light grey floor tile & mastic	215	8% Chrysotile-tile 10% Chrysotile-mastic	3rd floor-R302-1, center	3rd floor-R309-1, R305-1, R305, R328-2A, R314, R302-1, R302-2, R302-1E, R302-3	9,413 SF	No	No
9" light grey floor tile & mastic	216	8% Chrysotile-tile 10% Chrysotile-mastic	3rd floor-R309-1, north center				
9" light grey floor tile & mastic	217	5% Chrysotile-tile 15% Chrysotile-mastic	3rd floor-R305, center				
9" dark grey floor tile & mastic	218	5% Chrysotile-tile 10% Chrysotile-mastic	1st floor-R100, NE	1st floor corridor, R100, 122-1	3,000 SF	No	No
9" dark grey floor tile & mastic	219	5% Chrysotile-tile 10% Chrysotile-mastic	1st floor-R100, NW				
9" dark grey floor tile & mastic	220	5% Chrysotile-tile 10% Chrysotile-mastic	1st floor-R100, south center				
9" dark grey floor tile & mastic	221	5% Chrysotile-tile 10% Chrysotile-mastic	2nd floor-R200, north center	2nd floor corridor, R200	3,000 SF	No	No
9" dark grey floor tile & mastic	222	5% Chrysotile-tile 10% Chrysotile-mastic	2nd floor-R200, NW				
9" dark grey floor tile & mastic	223	5% Chrysotile-tile 5% Chrysotile-mastic	2nd floor-R200, NE				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
9" dark grey floor tile & mastic	224	5% Chrysotile-tile 10% Chrysotile-mastic	3rd floor-R300, SW	3rd floor corridor, R300	3,000 SF	No	No
9" dark grey floor tile & mastic	225	5% Chrysotile-tile 10% Chrysotile-mastic	3rd floor-R300, north center				
9" dark grey floor tile & mastic	226	5% Chrysotile-tile 10% Chrysotile-mastic	3rd floor-R300, SE				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Stucco	227	None detected-finish coat & base coat	1st floor-NE stairway, north center	Exterior walls	21,600 SF	No	No
Stucco	228	None detected-finish coat & base coat	1st floor-exterior R124, NW				
Stucco	229	None detected-finish coat <0.10% Chrysotile base coat	1st floor-east side, SW				
Stucco	230	None detected-finish coat & base coat	2nd floor-SW stairs, NW				
Stucco	231	None detected-finish coat <0.10% Chrysotile base coat	2nd floor-exterior women's restroom, NE				
Stucco	232	None detected-finish coat <0.10% Chrysotile base coat	2nd floor-exterior R219, SW				
Stucco	233	None detected-finish coat <0.10% Chrysotile base coat	3rd floor-exterior R304				
Stucco	234	None detected-finish coat <0.10% Chrysotile base coat	3rd floor-NE stairs				
Stucco	235	<0.10% Chrysotile-finish coat <0.10% Chrysotile-base coat	3rd floor-west center				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Grey window sealant	236	None detected	Exterior R302	Exterior door & window casings	100 SF	No	No
Grey window sealant	237	None detected	Exterior R217				
Grey window sealant	238	None detected	Exterior R113				
Grey sealing compound	239	None detected	Greenhouse-NE	Greenhouse glass & louvre roof, and windows at seams (louvre glass)	50 SF	No	No
Grey sealing compound	240	None detected	Greenhouse-center				
Grey sealing compound	241	None detected	Greenhouse-				
Black/grey sealing compound	242	None detected	Greenhouse-NE	Greenhouse-at base of walls where it touches cinder block walls	56 SF	No	No
Black/grey sealing compound	243	None detected	Greenhouse-NW				
Black/grey sealing compound	244	None detected	Greenhouse-SW				
Black mastic	245	3% Chrysotile	Greenhouse-vent patch	Greenhouse	10 SF	No	No
Black mastic	246	3% Chrysotile	Greenhouse-north center vent patch				
Black mastic	247	3% Chrysotile	R401A-drain				
Moisture barrier material	248	10% Chrysotile	Greenhouse-east center	Greenhouse floor	300 SF	No	No
Moisture barrier material	249	10% Chrysotile	Greenhouse-center				
Moisture barrier material	250	10% Chrysotile	Greenhouse-west center				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Transite panel	251	20% Chrysotile	Greenhouse-north center	Greenhouse	30 SF	No	No
Transite panel	252	20% Chrysotile	Greenhouse-center				
Transite panel	253	20% Chrysotile	Greenhouse-south center				
Gravel roof core	254	None detected-capsheet, felt/tar, roof paper	East Fan room-NW	East fan room-R403S	2,800 SF	No	No
Gravel roof core	255	None detected-capsheet, felt/tar, roof paper	East fan room-NE				
Gravel roof core	256	None detected-capsheet, felt/tar, roof paper	East fan room-west center				
Black mastic	257	3% Chrysotile	East fan room	East fan room-R403S, HVAC duct seams & smeared on ducts	1,000 SF	No	No
Black mastic	258	3% Chrysotile	East fan room				
Black mastic	259	3% Chrysotile	East fan room				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Stucco	260	None detected-finish coat	Pipe shaft-north center	R403S NW pipe shaft	400 SF	No	No
		<0.10% Chrysotile-base coat					
		None detected-finish coat	Pipe shaft-SE				
Stucco	261	<0.10% Chrysotile-base coat					
		None detected-finish coat	Pipe shaft-SW				
Sand plaster	262	None detected-finish coat					
		<0.10% Chrysotile-base coat					
Sand plaster	263	None detected-finish coat	R408-north center	R408	650 SF	No	No
		<0.10% Chrysotile-base coat					
Sand plaster	264	None detected-finish coat	R408-SW				
		<0.10% Chrysotile-base coat					
Sand plaster	265	None detected-finish coat	R408-SE				
		<0.10% Chrysotile-base coat					
9" tan floor tile & mastic	266	3% Chrysotile-tile 5%Chrysotile-mastic	R408-north center	R408	120 SF	No	No
		3% Chrysotile-tile 5%Chrysotile-mastic	R408-center				
9" tan floor tile & mastic	267	3% Chrysotile-tile 5%Chrysotile-mastic	R408-SW				
9" tan floor tile & mastic	268	3% Chrysotile-tile 5%Chrysotile-mastic					

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Roof walking mats	269	None detected	SE by stairs	Roof	800 SF	No	No
Roof walking mats	270	None detected	By entrance to R402				
Roof walking mats	271	None detected	NW				
Roof mastic	272	None detected	NW post support	Roof penetrations, metal sound barrier posts, corners on HVAC	200 SF	No	No
Roof mastic	273	None detected	West center				
Roof mastic	274	None detected	South center	HVAC ducting	600 SF	No	No
White HVAC sealant	275	None detected	NW duct				
White HVAC sealant	276	None detected	West center				
White HVAC sealant	277	None detected	South center				
Flex collar	278	None detected	Northwest side	Roof	15 ea	No	No
Flex collar	279	None detected	West center				
Flex collar	280	None detected	South center				
Gravel roof core	281	None detected- composition roofing, felt/tar, insulation	North center	Higher roof-R404, R406, R407, R408	2,200 SF	No	No
Gravel roof core	282	None detected- composition roofing, felt/tar, insulation	Center				
Gravel roof core	283	None detected- composition roofing, felt/tar, insulation	South center				
Roof mastic	284	3% Chrysotile	Center	Higher roof-R404, R406, R407, R408	20 SF	No	No
Roof mastic	285	3% Chrysotile	Southwest				
Roof mastic	286	None detected	Southeast				
Metal roof sealing tape	287	None detected	North center	On metal roof seams-roof to R403S	100 SF	No	No
Metal roof sealing tape	288	None detected	Northwest				
Metal roof sealing tape	289	None detected	West center				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Grey sealing compound	290	10% Chrysotile	South side-west of opening	R402-on seam of microscope opening hatch	5 SF	No	No
Grey sealing compound	291	10% Chrysotile	South side-upper west of opening				
Grey sealing compound	292	10% Chrysotile	South side-east of opening				
Abandoned beige fire brick	293	None detected	R404 SW	SW on R404	20 SF	Yes	No
Abandoned beige fire brick	294	None detected	R404 SW				
Abandoned beige fire brick	295	None detected	R404 SW				
12" O.D. canvas pipe wrap	296	None detected	R407, SW	R403, R406, R407	100 LF	Yes	No
12" O.D. canvas pipe wrap	297	None detected	R406, NW				
12" O.D. canvas pipe wrap	298	None detected	R403N, NE				
12" O.D. pipe elbows	299	None detected	R407-SW	R401, R407	10 ea	Yes	No
12" O.D. pipe elbows	300	None detected	R406, NW				
12" O.D. pipe elbows	301	None detected	R406, NW				
2" O.D. pipe elbows	302	None detected	R404, NW	R404	6 ea	Yes	No
2" O.D. pipe elbows	303	None detected	R404, NW				
2" O.D. pipe elbows	304	None detected	R404, NW				
4" O.D. pipe elbows	305	None detected	R404, NW corner	R404, R407	8 ea	Yes	No
4" O.D. pipe elbows	306	None detected	R404, south center				
4" O.D. pipe elbows	307	None detected	R407, SE				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Beige HVAC seam tape	308	None detected	R403S, south center	East fan room-R403S	40 SF	Yes	No
Beige HVAC seam tape	309	None detected	R403S, center				
Beige HVAC seam tape	310	None detected	R403S, inside air handler				
Red adhesive material	311	None detected	R403S-air handler room, center of air handler, inside duct	Inside air handler room-R403S, inside duct	80 SF	No	No
Red adhesive material	312	None detected	R403S-air handler room, center, inside duct				
Red adhesive material	313	None detected	R403S-air handler room, north center, inside duct				
Beige tack mastic	314	2% Chrysotile	R403S-air handler room, inside south center of air handler	Inside air handler room-R403S, inside duct; possibly inside chase	400 SF	No	No
Beige tack mastic	315	2% Chrysotile	R403S-air handler room, inside center of air handler				
Beige tack mastic	316	2% Chrysotile	R403S-air handler room, inside north center of air handler				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Gravel roof core	317	None detected-capsheet, tar/felt	Roof, NW	Main roof	14,000 SF	No	No
Gravel roof core	318	None detected-capsheet, tar/felt	Roof, NE				
Gravel roof core	319	None detected-capsheet, tar/felt, composition roofing	Roof, SW				
White felt roof kick sheet	320	None detected-roof felt kicksheet-capsheet/felt & tar	R403S-by entrance	Transition from main roof to walls to mechanical rooms, Greenhouse & roof perimeter	500 SF	No	No
White felt roof kick sheet	321	None detected-roof felt kicksheet-capsheet/felt & tar	R403S-east center				
White felt roof kick sheet	322	None detected-roof felt kicksheet-capsheet/felt & tar	Greenhouse, north center				
Grey rolled on roof core	323	None detected-composition roofing, felt/tar	Pipe shaft, north center	R403S on NW pipe shaft	400 SF	No	No
Grey rolled on roof core	324	None detected-composition roofing, felt/tar	Pipe shaft, SW				
Grey rolled on roof core	325	None detected-composition roofing, felt/tar	Pipe shaft, SW				
Flange gasket	326	None detected	R407, center	Roof	30 ea	No	No
Flange gasket	327	None detected	R407, SE				
Flange gasket	328	None detected	R407, SE				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Light brown floor sheeting	329	None detected	R219-1B, east center	R219-1B, R203, south section	270 SF	No	No
Light brown floor sheeting	330	None detected	R219-1B, NW				
Light brown floor sheeting	331	None detected	R203, east center				
12" O.D. pipe felt paper	332	None detected	R214, north center	R214, pipe chase to roof	100 LF	No	No
12" O.D. pipe felt paper	333	None detected	R214, north center				
12" O.D. pipe felt paper	334	None detected	R214, north center				
6" O.D. pipe felt paper	335	None detected	R214, north center	R214, pipe chase to roof	100 LF	No	No
6" O.D. pipe felt paper	336	None detected	R214, north center				
6" O.D. pipe felt paper	337	None detected	R214, north center				
Gas pipe insulation	338	25% Chrysotile	R128, north center	R128, R112, R126, R124- to podium cabinet	12 LF	No	No
Gas pipe insulation	339	40% Chrysotile	R112, south center				
Gas pipe insulation	340	40% Chrysotile	R126, west center				
Vent caulking	341	3% Chrysotile	R112, south center	R124, R126, R128, R112- at podium cabinet	4 SF	No	No
Vent caulking	342	3% Chrysotile	R128, north center				
Vent caulking	343	3% Chrysotile	R126, south center				
Transite pipe	344	25% Chrysotile	R112, south center	R112-material may run underground	15 Visible	No	No
Transite pipe	345	25% Chrysotile	R112, south center				
Transite pipe	346	25% Chrysotile	R112, south center				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Fire door insulation	347	None detected	R301, southeast	Perimeter doors	60 ea	No	No
Fire door insulation	348	None detected	R202, northeast				
Fire door insulation	349	None detected	R113, southwest				
Dex-O-Tek	350	None detected- capsheet, anti-skid, adhesive; 50% Chrysotile-felt, none detected-mortar	North overhang, northeast	1st floor north & south overhangs	500 SF	No	No
Dex-O-Tek	351	None detected- capsheet, anti-skid, adhesive; 50% Chrysotile-felt, none detected-mortar	North overhang, northwest				
Dex-O-Tek	352	None detected- capsheet, anti-skid, adhesive; 50% Chrysotile-felt, none detected-mortar	South overhang, southwest				
Drywall, no joint compound	353	None detected	R203, southwest	Dividing walls to R203-1, R203-A	800 SF	No	No
Drywall, no joint compound	354	None detected	R203, southeast				
Drywall, no joint compound	355	None detected	R203A, southeast				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Drywall, no joint compound	356	None detected	R303S, northeast	Dividing wall to R303, R303S	600 SF	No	No
Drywall, no joint compound	357	None detected	R303S, southeast				
Drywall, no joint compound	358	None detected	R303, southwest				
Black sealing tape	359	None detected	Mechanical mezzanine-center	Mechanical mezzanine on top of damaged fiberglass insulation	4 SF	No	No
Black sealing tape	360	None detected	Mechanical mezzanine-center				
Black sealing tape	361	None detected	Mechanical mezzanine-north center				
Drywall composite	362	None detected-drywall none detected-joint compound	1st floor-NW stairs, NW	NW stairs to 1st floor, R100 northwest, west wall & entryway	90 SF	No	No
Drywall composite	363	None detected-drywall none detected-joint compound	2nd floor-NW stairs, SE				
Drywall composite	364	None detected-drywall none detected-joint compound	3rd floor-NW stairs, SW				

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Rancho Santiago Community College District
PROJECT NO: RSCC-23-11447
PROJECT NAME: Santa Ana College, Russell Hall

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Sand plaster	365	None detected-finish coat 0.18% Chrysotile-base coat	R100, NE	Stairs, 1st floor storages, R100-NE, R100-NE, R100-SE, R100-SW	900 SF	No	No
	366	None detected-finish coat 0.31% Chrysotile-base coat	R100, SE				
	367	None detected-finish coat 0.18% Chrysotile-base coat	R100, SW				

Notes: Asbestos floor tile and mastic observed beneath drywall walls and assumed beneath all cabinets and in place shelving. No access room 1223-1 and telephone equipment closet on 1st floor. No access to elevator shaft.

APPENDIX B

LABORATORY ANALYTICAL REPORT AND FIELD NOTES: ASBESTOS



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353088

Date Received 03/22/2023
Date Analyzed 03/27/2023
Date Reported 03/27/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 15

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	(%)
2353088-001 359	Sealing Tape, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler	2% 98%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353088-002 360	Sealing Tape, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler	2% 98%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353088-003 361	Sealing Tape, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler	<1% 100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353088-004 362A	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	10% <1% 90%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353088-005 362B	Joint Compound, White, Non-homogeneous	LAYER 1 100%	Perlite Mica Calcium Carbonate Binder/Filler	5% 10% 70% 15%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353088-006 363A	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	10% <1% 90%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353088

Date Received 03/22/2023
Date Analyzed 03/27/2023
Date Reported 03/27/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 15

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	(%)
2353088-007 363B	Joint Compound, White, Non-homogeneous	LAYER 1 100%	Perlite Mica Calcium Carbonate Binder/Filler	5% 10% 70% 15%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353088-008 364A	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	20% <1% 80%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353088-009 364B	Joint Compound, White, Non-homogeneous	LAYER 1 100%	Perlite Calcium Carbonate Gypsum/Binder/Filler	15% 55% 30%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353088-010 365A	Sand Plaster- Finish Coat, Tan, Homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	90% 10%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353088-011 365B	Sand Plaster- Base Coat, Gray, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Binder/Filler	30% 55% 15%	Chrysotile	<1%
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<1%



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353088

Date Received 03/22/2023
Date Analyzed 03/27/2023
Date Reported 03/27/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 15

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	(%)
2353088-012 366A	Sand Plaster- Finish Coat, Tan, Homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	90% 10%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353088-013 366B	Sand Plaster- Base Coat, Gray, Non- homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Binder/Filler	30% 55% 15%	Chrysotile	<1%
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<1%
2353088-014 367A	Sand Plaster- Finish Coat, Tan, Homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	90% 10%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353088-015 367B	Sand Plaster- Base Coat, Gray, Non- homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Binder/Filler	35% 45% 20%	Chrysotile	<1%
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<1%

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 Tabatt
Analyst - Cristina Tabatt

Cristina Tabatt
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. 2353088

CUSTOMER INFORMATION		Turnaround Time	Shipped By	Report Send Via:
Company	NV5	Same Day <input type="checkbox"/>	Fedex <input type="checkbox"/>	Web <input type="checkbox"/>
Address	3777 Long Beach Boulevard	1 Day <input type="checkbox"/>	UPS <input type="checkbox"/>	Email <input checked="" type="checkbox"/>
City/State/Zip	Long Beach, CA 90807	2 Day <input type="checkbox"/>	USPS <input type="checkbox"/>	Fax <input type="checkbox"/>
Contact	<u>Eric Fleming</u>	3 Day <input checked="" type="checkbox"/>	Drop Off <input checked="" type="checkbox"/>	Verbal <input type="checkbox"/>
Office Phone	562/ 495-5777	5 Day <input type="checkbox"/>	Drop Box <input type="checkbox"/>	Mail <input type="checkbox"/>
Cell	<u>(310) 951-9486</u>	Weekend <input type="checkbox"/>	Other <input type="checkbox"/>	Pick up <input type="checkbox"/>
Fax	562/ 495-5877	Special Instructions: <u>Layered analysis drywall composite & sand plaster</u>		
Email	<u>Eric.Fleming@nvj.com</u>			

PROJECT INFORMATION	
Project Name: <u>R500</u>	PO Number: _____
Project Number: <u>R500-23-11447</u>	Work Order No.: _____
Location: <u>Russell Hall Bldg</u>	Sampled By: <u>Vivian Sanchez</u>

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time	Stop Time	Avg Flow Rate	Volume (L)
359	Black scaling	Tap.					
360	}						
361							
362	} drywall composite						
363							
364	} Sand Plaster						
365							
366	}						
367							

Relinquished By: <u>Vivian Sanchez</u>	Received By: <u>Justine Pablo</u>	Phone: <u>310-951-9486</u>
Date/Time: <u>3/22/2023 1:16 PM</u>	Date/Time: <u>3/22/23</u>	Time: <u>1317</u>



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353068

Date Received 03/21/2023
Date Analyzed 03/24/2023
Date Reported 03/24/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 74

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 (%)
2353068-001 85A	Flooring (Vinyl) Step Corner, Black, Homogeneous	LAYER 1 100%	Vinyl Binder/ Filler 100%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-002 85B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Wood Fiber Organic Binders/Filler 20% 80%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-003 85C	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix 85%	Chrysotile 15%
Asbestos Present: Yes		Total % Non-Asbestos: 85.0%		Total %Asbestos: 15.0%
2353068-004 86A	Flooring (Vinyl) Step Corner, Black, Homogeneous	LAYER 1 100%	Vinyl Binder/ Filler 100%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-005 86B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Wood Fiber Organic Binders/Filler 25% 75%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-006 87A	Flooring (Vinyl) Step Corner, Black, Homogeneous	LAYER 1 100%	Vinyl Binder/ Filler 100%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-007 87B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Wood Fiber Organic Binders/Filler 20% 80%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353068

Date Received 03/21/2023
Date Analyzed 03/24/2023
Date Reported 03/24/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 74

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 (%)
2353068-008 97A	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber 30% Fibrous Glass <1% Gypsum/Filler 70%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-009 97B	Joint Compound, White, Non-homogeneous	LAYER 1 100%	Mica 10% Calcium Carbonate 75% Binder/Filler 15%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-010 98A	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber 20% Fibrous Glass <1% Gypsum/Filler 80%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-011 98B	Joint Compound, White, Non-homogeneous	LAYER 1 100%	Mica 10% Calcium Carbonate 75% Binder/Filler 15%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-012 99A	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber 20% Fibrous Glass <1% Gypsum/Filler 80%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected



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 2353068

Date Received 03/21/2023

Date Analyzed 03/24/2023

Date Reported 03/24/2023

Project Number RSCC-23-11447

Project Name RSCC

Location Russell Hall Bldg

PO Number

WO Number

Date Sampled

Sampled By Victor Sanchez

Total Samples 74

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 (%)
2353068-013 99B	Joint Compound, White, Non-homogeneous	LAYER 1 100%	Mica 10% Calcium Carbonate 80% Binder/Filler 10%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-014 109	Chalkboard Adhesive, Green, Homogeneous	LAYER 1 100%	Fibrous Talc 3% Organic Binders 95%	Chrysotile 2%
Asbestos Present: Yes		Total % Non-Asbestos: 98.0%		Total %Asbestos: 2.0%
2353068-015 110	Chalkboard Adhesive, Green, Homogeneous	LAYER 1 100%	Fibrous Talc 3% Organic Binders 95%	Chrysotile 2%
Asbestos Present: Yes		Total % Non-Asbestos: 98.0%		Total %Asbestos: 2.0%
2353068-016 111	Chalkboard Adhesive, Green, Homogeneous	LAYER 1 100%	Fibrous Talc 3% Organic Binders 95%	Chrysotile 2%
Asbestos Present: Yes		Total % Non-Asbestos: 98.0%		Total %Asbestos: 2.0%
2353068-017 111A	Chalkboard Adhesive, Green, Homogeneous	LAYER 1 100%	Fibrous Talc 3% Organic Binders 95%	Chrysotile 2%
Asbestos Present: Yes		Total % Non-Asbestos: 98.0%		Total %Asbestos: 2.0%
2353068-018 141	Hood Panel (Vent), White, Homogeneous	LAYER 1 100%	Fibrous Glass 15% Binder/Filler 85%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-019 142	Hood Panel (Vent), White, Homogeneous	LAYER 1 100%	Fibrous Glass 15% Binder/Filler 85%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353068

Date Received 03/21/2023
Date Analyzed 03/24/2023
Date Reported 03/24/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 74

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 (%)
2353068-020 143	Hood Panel (Vent), White, Homogeneous	LAYER 1 100%	Fibrous Glass Binder/Filler 15% 85%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-021 144	Dry Erase Board Adhesive, Green/Brown, Non-homogeneous	LAYER 1 100%	Fibrous Talc Organic Binders 3% 95%	Chrysotile 2%
Asbestos Present: Yes		Total % Non-Asbestos: 98.0%		Total %Asbestos: 2.0%
2353068-022 145	Dry Erase Board Adhesive, Green/Brown, Non-homogeneous	LAYER 1 100%	Fibrous Talc Organic Binders 3% 95%	Chrysotile 2%
Asbestos Present: Yes		Total % Non-Asbestos: 98.0%		Total %Asbestos: 2.0%
2353068-023 146	Dry Erase Board Adhesive, Green/Brown, Non-homogeneous	LAYER 1 100%	Fibrous Talc Organic Binders 3% 95%	Chrysotile 2%
Asbestos Present: Yes		Total % Non-Asbestos: 98.0%		Total %Asbestos: 2.0%
2353068-024 147	Hood Panel Vent, Gray, Homogeneous	LAYER 1 100%	Binder/Filler 80%	Chrysotile 20%
Asbestos Present: Yes		Total % Non-Asbestos: 80.0%		Total %Asbestos: 20.0%
2353068-025 148	Hood Panel Vent, Gray, Homogeneous	LAYER 1 100%	Binder/Filler 80%	Chrysotile 20%
Asbestos Present: Yes		Total % Non-Asbestos: 80.0%		Total %Asbestos: 20.0%
2353068-026 149	Hood Panel Vent, Gray, Homogeneous	LAYER 1 100%	Binder/Filler 80%	Chrysotile 20%
Asbestos Present: Yes		Total % Non-Asbestos: 80.0%		Total %Asbestos: 20.0%



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353068

Date Received 03/21/2023
Date Analyzed 03/24/2023
Date Reported 03/24/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 74

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 (%)
2353068-027 150	Sink Undercoating, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix/Filler 100%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-028 151	Sink Undercoating, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix/Filler 100%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-029 152	Sink Undercoating, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix/Filler 100%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-030 152A	Hood Panel Vent, Tan/Gray, Non- homogeneous	LAYER 1 100%	Cellulose Fiber Calcium Carbonate Binder/Filler 25% 70% 5%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-031 152B	Hood Panel Vent, Tan/Gray, Non- homogeneous	LAYER 1 100%	Cellulose Fiber Calcium Carbonate Binder/Filler 25% 70% 5%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-032 152C	Hood Panel Vent, Tan/Gray, Non- homogeneous	LAYER 1 100%	Cellulose Fiber Calcium Carbonate Binder/Filler 25% 70% 5%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353068

Date Received 03/21/2023
Date Analyzed 03/24/2023
Date Reported 03/24/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 74

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	(%)
2353068-033 329	Floor Sheeting, Lt. Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Jute Fiber Vinyl Binder	40% 20% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353068-034 330	Floor Sheeting, Lt. Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Jute Fiber Vinyl Binder	40% 20% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353068-035 331	Floor Sheeting, Lt. Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Jute Fiber Vinyl Binder	40% 20% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353068-036 332	12" O.D. Pipe Felt Paper, Brown/Black/Silver, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix Metallic Foil	50% 40% 10%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353068-037 333	12" O.D. Pipe Felt Paper, Brown/Black/Silver, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix Metallic Foil	50% 40% 10%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353068-038 334	12" O.D. Pipe Felt Paper, Brown/Black/Silver, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix Metallic Foil	50% 40% 10%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353068

Date Received 03/21/2023
Date Analyzed 03/24/2023
Date Reported 03/24/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 74

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 (%)
2353068-039 335	6" O.D. Pipe Felt Paper, Beige/Black/Silver/Yellow, Non- homogeneous	LAYER 1 100%	Cellulose Fiber 30% Fibrous Glass 15% Bituminous Matrix 45%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-040 336	6" O.D. Pipe Felt Paper, Beige/Black/Silver/Yellow, Non- homogeneous	LAYER 1 100%	Cellulose Fiber 20% Fibrous Glass 15% Bituminous Matrix 55%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-041 337	6" O.D. Pipe Felt Paper, Beige/Black/Silver/Yellow, Non- homogeneous	LAYER 1 100%	Cellulose Fiber 15% Fibrous Glass 20% Bituminous Matrix 55%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-042 338	Gas Pipe Insulation, Beige/Black/Silver/Yellow, Non- homogeneous	LAYER 1 100%	Cellulose Fiber 30% Fibrous Glass <1% Bituminous Matrix 45%	Chrysotile 25%
Asbestos Present: Yes		Total % Non-Asbestos: 75.0%		Total %Asbestos: 25.0%
2353068-043 339	Gas Pipe Insulation, Beige/Black/Silver/Yellow, Non- homogeneous	LAYER 1 100%	Cellulose Fiber 15% Fibrous Glass <1% Bituminous Matrix 45%	Chrysotile 40%
Asbestos Present: Yes		Total % Non-Asbestos: 60.0%		Total %Asbestos: 40.0%
2353068-044 340	Gas Pipe Insulation, Beige/Black/Silver/Yellow, Non- homogeneous	LAYER 1 100%	Cellulose Fiber 15% Fibrous Glass <1% Bituminous Matrix 45%	Chrysotile 40%
Asbestos Present: Yes		Total % Non-Asbestos: 60.0%		Total %Asbestos: 40.0%



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353068

Date Received 03/21/2023
Date Analyzed 03/24/2023
Date Reported 03/24/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 74

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 (%)
2353068-045 341	Vent Caulking, Beige, Homogeneous	LAYER 1 100%	Binder/Filler 97%	Chrysotile 3%
Asbestos Present: Yes		Total % Non-Asbestos: 97.0%		Total %Asbestos: 3.0%
2353068-046 342	Vent Caulking, Beige, Homogeneous	LAYER 1 100%	Binder/Filler 97%	Chrysotile 3%
Asbestos Present: Yes		Total % Non-Asbestos: 97.0%		Total %Asbestos: 3.0%
2353068-047 343	Vent Caulking, Beige, Homogeneous	LAYER 1 100%	Binder/Filler 97%	Chrysotile 3%
Asbestos Present: Yes		Total % Non-Asbestos: 97.0%		Total %Asbestos: 3.0%
2353068-048 344	Transite Pipe, Gray, Homogeneous	LAYER 1 100%	Binder/Filler 75%	Chrysotile 25%
Asbestos Present: Yes		Total % Non-Asbestos: 75.0%		Total %Asbestos: 25.0%
2353068-049 345	Transite Pipe, Gray, Homogeneous	LAYER 1 100%	Binder/Filler 75%	Chrysotile 25%
Asbestos Present: Yes		Total % Non-Asbestos: 75.0%		Total %Asbestos: 25.0%
2353068-050 346	Transite Pipe, Gray, Homogeneous	LAYER 1 100%	Binder/Filler 75%	Chrysotile 25%
Asbestos Present: Yes		Total % Non-Asbestos: 75.0%		Total %Asbestos: 25.0%
2353068-051 347	Fire Door Insulation, Tan, Homogeneous	LAYER 1 100%	Fibrous Glass 100%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353068

Date Received 03/21/2023
Date Analyzed 03/24/2023
Date Reported 03/24/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 74

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 (%)
2353068-052 348	Fire Door Insulation, Tan, Homogeneous	LAYER 1 100%	Fibrous Glass 100%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-053 349	Fire Door Insulation, Tan, Homogeneous	LAYER 1 100%	Fibrous Glass 100%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-054 350A	Dex-o-Tex- Capsheet, Black, Non- homogeneous	LAYER 1 100%	Synthetic Fiber Bituminous Matrix 30% 70%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-055 350B	Dex-o-Tek- Anti-skid material, Gray, Homogeneous	LAYER 1 100%	Quartz Binder/Filler 50% 50%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-056 350C	Dex-o-Tex- Adhesive, Tan, Homogeneous	LAYER 1 100%	Fibrous Glass Adhesive Binders/Filler 20% 80%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-057 350D	Dex-o-Tex- Capsheet- Felt, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix 50%	Chrysotile 50%
Asbestos Present: Yes		Total % Non-Asbestos: 50.0%		Total %Asbestos: 50.0%



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353068

Date Received 03/21/2023
Date Analyzed 03/24/2023
Date Reported 03/24/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 74

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 (%)
2353068-058 350E	Dex-o-Tex- Capsheet- Mortar, Gray, Non-homogeneous	LAYER 1 100%	Quartz 40% Calcium Carbonate 60%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-059 351A	Dex-o-Tex- Capsheet, Black, Non- homogeneous	LAYER 1 100%	Synthetic Fiber 30% Bituminous Matrix 70%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-060 351B	Dex-o-Tex- Anti skid material, Gray, Homogeneous	LAYER 1 100%	Quartz 50% Binder/Filler 50%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-061 351C	Dex-o-Tex- Adhesive, Tan, Homogeneous	LAYER 1 100%	Fibrous Glass 20% Adhesive Binders/Filler 80%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-062 351D	Dex-o-Tex- Felt, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix 50%	Chrysotile 50%
Asbestos Present: Yes		Total % Non-Asbestos: 50.0%		Total %Asbestos: 50.0%
2353068-063 351E	Dex-o-Tex- Mortar, Gray, Non- homogeneous	LAYER 1 100%	Quartz 40% Calcium Carbonate 60%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353068

Date Received 03/21/2023
Date Analyzed 03/24/2023
Date Reported 03/24/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 74

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 (%)
2353068-064 352A	Dex-o-Tex- Capsheet, Black, Non-homogeneous	LAYER 1 100%	Synthetic Fiber 30% Bituminous Matrix 70%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-065 352B	Dex-o-Tex- Anti-skid material, Gray, Homogeneous	LAYER 1 100%	Quartz 50% Binder/Filler 50%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-066 352C	Dex-o-Tex- Adhesive, Tan, Homogeneous	LAYER 1 100%	Fibrous Glass 20% Adhesive Binders/Filler 80%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-067 352D	Dex-o-Tex- Felt, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix 50%	Chrysotile 50%
Asbestos Present: Yes		Total % Non-Asbestos: 50.0%		Total %Asbestos: 50.0%
2353068-068 352E	Dex-o-Tex- Mortar, Gray, Non-homogeneous	LAYER 1 100%	Quartz 40% Calcium Carbonate 60%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353068-069 353	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber 25% Fibrous Glass <1% Mica 5% Gypsum/Filler 70%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353068

Date Received 03/21/2023
Date Analyzed 03/24/2023
Date Reported 03/24/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 74

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	(%)
2353068-070 354	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Mica Gypsum/Binder/Filler	25% <1% 5% 70%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353068-071 355	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Mica Gypsum/Binder/Filler	25% <1% 5% 70%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353068-072 356	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Gypsum/Binder/Filler	15% 85%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353068-073 357	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Gypsum/Binder/Filler	30% 70%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353068-074 358	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Gypsum/Binder/Filler	15% 85%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353068

Date Received 03/21/2023

Date Sampled

Date Analyzed 03/24/2023

Sampled By Victor Sanchez

Date Reported 03/24/2023

Total Samples 74

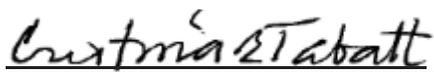
Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

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 - Cristina Tabatt


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. 2353068

CUSTOMER INFORMATION		Turnaround Time	Shipped By	Report Send Via:
Company	NV5	Same Day <input type="checkbox"/>	Fedex <input type="checkbox"/>	Web <input type="checkbox"/>
Address	3777 Long Beach Boulevard	1 Day <input type="checkbox"/>	UPS <input type="checkbox"/>	Email <input checked="" type="checkbox"/>
City/State/Zip	Long Beach, CA 90807	2 Day <input type="checkbox"/>	USPS <input type="checkbox"/>	Fax <input type="checkbox"/>
Contact	<u>Eric Ramsey</u>	3 Day <input checked="" type="checkbox"/>	Drop Off <input type="checkbox"/>	Verbal <input type="checkbox"/>
Office Phone	562/ 495-5777	5 Day <input type="checkbox"/>	Drop Box <input checked="" type="checkbox"/>	Mail <input type="checkbox"/>
Cell	<u>(310) 951-9486</u>	Weekend <input type="checkbox"/>	Other <input type="checkbox"/>	Pick up <input type="checkbox"/>
Fax	562/ 495-5877	Special Instructions:		
Email	<u>ericramsey@nv5.com</u>			

PROJECT INFORMATION	
Project Name: <u>RSLL</u>	PO Number: _____
Project Number: <u>RSLL-23-11447</u>	Work Order No.: _____
Location: <u>Russell Hall Bldg</u>	Sampled By: <u>Victor Sanchez</u>

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date	Start Time	Avg	Volume
			Sampled	Stop Time	Flow Rate	(L)
85	black flooring (vinyl)	step corner		-----		
86				-----		
87				-----		
97	drywall composite			-----		
98				-----		
99				-----		
109	green chalk board adhesive			-----		
110				-----		
111				-----		
111A				-----		

Relinquished By: <u>Victor Sanchez</u>	Received By: <u>Jackie Taylor</u>
Date/Time: <u>3-21-2023 0300</u>	Date/Time: <u>3/21/23 08:00</u>

CHAIN OF CUSTODY

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



Company: NV5
 Project Number: RSLL-23-1144
 Project Name: Russell Hull Bldg

Analysis: 3 day PLM

TAT: 3 day

(Lab) Order No. 2353068

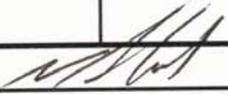
SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
141	white hood panel	(vent)		-----		
142		↓		-----		
143		↓		-----		
144	dry/erase Board adhesive			-----		
145		↓		-----		
146		↓		-----		
147	gray hood panel	vent		-----		
148		↓		-----		
149		↓		-----		
150	sink under counter			-----		
151		↓		-----		
152		↓		-----		
152A	gray beige hood panel	vent		-----		
152B		↓		-----		
152C		↓		-----		
329	light brown floor	sheeting		-----		
330		↓		-----		
331		↓		-----		

Relinquished By: <u>Vivian Sanchez</u>	Received By: <u>Jackie TRY 19</u>
Date/Time: <u>3-21-23 0300</u>	Date/Time: <u>3/21/23 08:00</u>

Company:	<u>NV5</u>
Project Number:	<u>RSUC-23-11443</u>
Project Name:	<u>Russell Hall Bldg</u>

(Lab) Order No.	<u>2353068</u>
-----------------	----------------

SAMPLE ID	SAMPLE TYPE	LOCATION	Date	Start Time	Avg	Volume
			Sampled	Stop Time	Flow Rate	(L)
332	12" OD. pipe	felt paper				
333		↓				
334		↓				
335	6" OD. pipe	felt paper				
336		↓				
337		↓				
338	Gas pipe	insulation				
339		↓				
340		↓				
341	vent	caulking				
342		↓				
343		↓				
344	transite	pipe				
345		↓				
346		↓				
347	fine	door insulation				
348		↓				
349		↓				

 Relinquished By: Victor Sanchez 

 Date/Time: 3-21-2023 0300

Relinquished By:

Date/Time:

 Received By: Jackie Tying 

 Date/Time: 3/21/23 0800

Received By:

Date/Time:



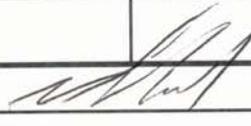
CHAIN OF CUSTODY

1508 E. 55th Street
 Signal Hill, CA 90755
 562-206-2770 Tel
 562-206-2773 Fax
 services@AQenvlabs.com

Company: NVS.
 Project Number: RSCL-23-11447
 Project Name: Russell Hall Bldg

(Lab) Order No. 2353068

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
350	Dex 0-Tek					
351						
352						
353	Drywall					
354						
355						
356	Drywall					
357						
358						

Relinquished By: <u>Vijaya Samaran</u> 	Received By: <u>Jackie Taylor</u> 
Date/Time: <u>3-21-2023 0300</u>	Date/Time: <u>3/21/23 08:00</u>
Relinquished By:	Received By:
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 Blvd.
Long Beach CA 90807
Attn.: Eric Fleming

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353062

Date Received 03/20/2023
Date Analyzed 03/27/2023
Date Reported 03/27/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 145

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	(%)
2353062-001 227A	Stucco - Finish Coat, White/Cream, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Binder/Filler	35% 35% 30%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-002 227B	Stucco- Base Coat, Lt. Grey, Homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Other Non-Fibrous Material	45% 30% 25%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-003 228A	Stucco- Finish Coat, Beige/White, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Binder/Filler	35% 35% 30%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-004 228B	Stucco- Base Coat, Grey, Homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Other Non-Fibrous Material	45% 30% 25%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-005 229A	Stucco- Finish Coat, Beige/Grey, Non- homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Binder/Filler	20% 20% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353062

Date Received 03/20/2023
Date Analyzed 03/27/2023
Date Reported 03/27/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 145

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 (%)
2353062-006 229B	Stucco- Base Coat, Cream, Homogeneous	LAYER 1 100%	Quartz 40% Calcium Carbonate 35% Other Non-Fibrous Material 25%	Chrysotile <1%
Asbestos Present: Yes		Total % Non-Asbestos: 100.0%		Total %Asbestos: <1%
2353062-007 230A	Stucco- Finish Coat, White/Cream, Non-homogeneous	LAYER 1 100%	Quartz 35% Calcium Carbonate 35% Binder/Filler 30%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353062-008 230B	Stucco- Base Coat, Gray, Homogeneous	LAYER 1 100%	Quartz 45% Calcium Carbonate 30% Other Non-Fibrous Material 25%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353062-009 231A	Stucco- Finish Coat, Beige/Grey, Non- homogeneous	LAYER 1 100%	Quartz 20% Calcium Carbonate 20% Binder/Filler 60%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353062-010 231B	Stucco- Base Coat, Cream, Homogeneous	LAYER 1 100%	Quartz 40% Calcium Carbonate 35% Other Non-Fibrous Material 25%	Chrysotile <1%
Asbestos Present: Yes		Total % Non-Asbestos: 100.0%		Total %Asbestos: <1%



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353062

Date Received 03/20/2023
Date Analyzed 03/27/2023
Date Reported 03/27/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 145

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	(%)
2353062-011 232A	Stucco- Finish Coat, Beige/Grey, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Quartz Binder/Filler	35% 35% 20%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-012 232B	Stucco- Base Coat, Cream, Homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Other Non-Fibrous Material	40% 35% 25%	Chrysotile	<1%
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<1%
2353062-013 233A	Stucco- Finish Coat, Beige/Grey, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Other Non-Fibrous Material	35% 35% 30%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-014 233B	Stucco- Base Coat, Cream, Homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Other Non-Fibrous Material	40% 35% 25%	Chrysotile	<1%
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<1%
2353062-015 234A	Stucco- Finish Coat, White/Cream, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Other Non-Fibrous Material	35% 35% 30%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353062

Date Received 03/20/2023
Date Analyzed 03/27/2023
Date Reported 03/27/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 145

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	(%)
2353062-016 234B	Stucco- Base Coat, Gray, Homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Other Non-Fibrous Material	45% 30% 25%	Chrysotile	<1%
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<1%
2353062-017 235A	Stucco- Finish Coat, Beige/Cream, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Other Non-Fibrous Material	35% 35% 30%	Chrysotile	<1%
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<1%
2353062-018 235B	Stucco- Base Coat, Gray, Homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Other Non-Fibrous Material	45% 30% 25%	Chrysotile	<1%
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<1%
2353062-019 236	Window Sealant, Brown/Grey, Non- homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-020 237	Window Sealant, Brown/Grey, Non- homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-021 238	Window Sealant, Brown/Grey, Non- homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353062

Date Received 03/20/2023
Date Analyzed 03/27/2023
Date Reported 03/27/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 145

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	(%)
2353062-022 239	Sealing Compound, Grey, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-023 240	Sealing Compound, Grey, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-024 241	Sealing Compound, Grey, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-025 242	Sealing Compound, Black/Grey, Non- homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler Other Non-Fibrous Material	5% 65% 30%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-026 243	Sealing Compound, Grey/White, Non- homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-027 244	Sealing Compound, Black/Grey, Non- homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler Other Non-Fibrous Material	5% 65% 30%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353062

Date Received 03/20/2023
Date Analyzed 03/27/2023
Date Reported 03/27/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 145

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	(%)
2353062-028 245	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	97%	Chrysotile	3%
Asbestos Present: Yes		Total % Non-Asbestos:		97.0%	Total %Asbestos:	3.0%
2353062-029 246	Mastic, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler	5% 92%	Chrysotile	3%
Asbestos Present: Yes		Total % Non-Asbestos:		97.0%	Total %Asbestos:	3.0%
2353062-030 247	Mastic, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler	7% 90%	Chrysotile	3%
Asbestos Present: Yes		Total % Non-Asbestos:		97.0%	Total %Asbestos:	3.0%
2353062-031 248	Moisture Barrier Material, Black, Non-homogeneous	LAYER 1 100%	Bituminous Matrix Quartz Binder/Filler	15% 30% 45%	Chrysotile	10%
Asbestos Present: Yes		Total % Non-Asbestos:		90.0%	Total %Asbestos:	10.0%
2353062-032 249	Moisture Barrier Material, Black, Non-homogeneous	LAYER 1 100%	Bituminous Matrix Quartz Binder/Filler	15% 30% 45%	Chrysotile	10%
Asbestos Present: Yes		Total % Non-Asbestos:		90.0%	Total %Asbestos:	10.0%
2353062-033 250	Moisture Barrier Material, Black, Non-homogeneous	LAYER 1 100%	Bituminous Matrix Quartz Binder/Filler	15% 30% 45%	Chrysotile	10%
Asbestos Present: Yes		Total % Non-Asbestos:		90.0%	Total %Asbestos:	10.0%
2353062-034 251	Transite Panel, Gray, Homogeneous	LAYER 1 100%	Mineral Binders/Filler	80%	Chrysotile	20%
Asbestos Present: Yes		Total % Non-Asbestos:		80.0%	Total %Asbestos:	20.0%



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353062

Date Received 03/20/2023
Date Analyzed 03/27/2023
Date Reported 03/27/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 145

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	(%)
2353062-035 252	Transite Panel, Gray, Homogeneous	LAYER 1 100%	Mineral Binders/Filler	80%	Chrysotile	20%
Asbestos Present: Yes		Total % Non-Asbestos:		80.0%	Total %Asbestos:	20.0%
2353062-036 253	Transite Panel, Gray, Homogeneous	LAYER 1 100%	Mineral Binders/Filler	80%	Chrysotile	20%
Asbestos Present: Yes		Total % Non-Asbestos:		80.0%	Total %Asbestos:	20.0%
2353062-037 254A	Gravel Roof Core - Capsheet, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	5% 75% 20%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-038 254B	Gravel Roof Core - Layered Felt/Tar, Black, Non-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
2353062-039 254C	Gravel Roof Core - Roofing Paper, Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-040 255A	Gravel Roof Core - Felt/Tar, Black, Non-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
2353062-041 255B	Gravel Roof Core - Roofing Paper, Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353062

Date Received 03/20/2023
Date Analyzed 03/27/2023
Date Reported 03/27/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 145

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	(%)
2353062-042 256A	Gravel Roof Core - Capsheet, Brown/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	
2353062-043 256B	Gravel Roof Core - Layered Felt/Tar, 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	
2353062-044 256C	Gravel Roof Core - Roofing Paper, Brown, Homogeneous	LAYER 1 100%	Cellulose Fiber	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2353062-045 257	Mastic, Grey/Black, Non- homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	97%	Chrysotile	3%
Asbestos Present: Yes		Total % Non-Asbestos:		97.0%	Total %Asbestos: 3.0%	
2353062-046 258	Mastic, Grey/Black, Non- homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	97%	Chrysotile	3%
Asbestos Present: Yes		Total % Non-Asbestos:		97.0%	Total %Asbestos: 3.0%	
2353062-047 259	Mastic, Black, Non-homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	97%	Chrysotile	3%
Asbestos Present: Yes		Total % Non-Asbestos:		97.0%	Total %Asbestos: 3.0%	
2353062-048 260A	Stucco- Finish Coat, Beige, Non- homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Other Non-Fibrous Material	40% 35% 25%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353062

Date Received 03/20/2023
Date Analyzed 03/27/2023
Date Reported 03/27/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 145

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	(%)
2353062-049 260B	Stucco- Base Coat, Grey, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Other Non-Fibrous Material	45% 30% 25%	Chrysotile	<1%
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<1%
2353062-050 261A	Stucco- Finish Coat, Beige, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Other Non-Fibrous Material	40% 35% 25%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-051 261B	Stucco- Base Coat, Grey, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Other Non-Fibrous Material	45% 30% 25%	Chrysotile	<1%
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<1%
2353062-052 262A	Stucco- Finish Coat, Beige, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Other Non-Fibrous Material	40% 35% 25%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-053 262B	Stucco- Base Coat, Grey, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Other Non-Fibrous Material	45% 30% 25%	Chrysotile	<1%
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<1%



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353062

Date Received 03/20/2023
Date Analyzed 03/27/2023
Date Reported 03/27/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 145

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	(%)
2353062-054 263A	Sand Plaster - Finish Coat, Beige, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Other Non-Fibrous Material	40% 35% 25%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-055 263B	Sand Plaster - Base Coat, Gray, Homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Other Non-Fibrous Material	45% 30% 25%	Chrysotile	<1%
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<1%
2353062-056 264A	Sand Plaster - Finish Coat, Beige, Homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Other Non-Fibrous Material	40% 35% 25%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-057 264B	Sand Plaster - Base Coat, Gray, Homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Other Non-Fibrous Material	45% 30% 25%	Chrysotile	<1%
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<1%
2353062-058 265A	Sand Plaster - Finish Coat Coat, Beige, Homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Other Non-Fibrous Material	40% 35% 25%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353062

Date Received 03/20/2023
Date Analyzed 03/27/2023
Date Reported 03/27/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 145

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 (%)
2353062-059 265B	Sand Plaster - Base Coat, Gray, Homogeneous	LAYER 1 100%	Quartz 45% Calcium Carbonate 30% Other Non-Fibrous Material 25%	Chrysotile <1%
Asbestos Present: Yes		Total % Non-Asbestos: 100.0%		Total %Asbestos: <1%
2353062-060 266A	9" Floor Tile, Tan, Homogeneous	LAYER 1 100%	Calcium Carbonate 57% Vinyl Binder/ Filler 40%	Chrysotile 3%
Asbestos Present: Yes		Total % Non-Asbestos: 97.0%		Total %Asbestos: 3.0%
2353062-061 266B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix/Filler 95%	Chrysotile 5%
Asbestos Present: Yes		Total % Non-Asbestos: 95.0%		Total %Asbestos: 5.0%
2353062-062 267A	9" Floor Tile, Tan, Homogeneous	LAYER 1 100%	Calcium Carbonate 57% Vinyl Binder/ Filler 40%	Chrysotile 3%
Asbestos Present: Yes		Total % Non-Asbestos: 97.0%		Total %Asbestos: 3.0%
2353062-063 267B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix/Filler 95%	Chrysotile 5%
Asbestos Present: Yes		Total % Non-Asbestos: 95.0%		Total %Asbestos: 5.0%
2353062-064 268A	9" Floor Tile, Tan, Homogeneous	LAYER 1 100%	Calcium Carbonate 57% Vinyl Binder/ Filler 40%	Chrysotile 3%
Asbestos Present: Yes		Total % Non-Asbestos: 97.0%		Total %Asbestos: 3.0%
2353062-065 268B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix/Filler 95%	Chrysotile 5%
Asbestos Present: Yes		Total % Non-Asbestos: 95.0%		Total %Asbestos: 5.0%



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353062

Date Received 03/20/2023
Date Analyzed 03/27/2023
Date Reported 03/27/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 145

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	(%)
2353062-066						
269	Walking Pads - Surfacing Material, White, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	80% 20%	None Detected	
	Mastic, Silver/Black, Non- homogeneous	LAYER 2 100%	Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	5% 90% 5%	None Detected	
	Layered Felt/Tar, Black, Homogeneous	LAYER 3 100%	Fibrous Glass Bituminous Matrix/Filler	10% 90%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	Total %Asbestos:	No Asbestos Detected
2353062-067						
270	Walking Pads - Surfacing Material, White, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	80% 20%	None Detected	
	Mastic, Silver/Black, Non- homogeneous	LAYER 2 100%	Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	5% 90% 5%	None Detected	
	Layered Felt/Tar, Black, Homogeneous	LAYER 3 100%	Fibrous Glass Bituminous Matrix/Filler	10% 90%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	Total %Asbestos:	No Asbestos Detected
2353062-068						
271	Walking Pads - Surfacing Material, White, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	80% 20%	None Detected	
	Mastic, Silver/Black, Non- homogeneous	LAYER 2 100%	Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	5% 90% 5%	None Detected	
	Layered Felt/Tar, Black, Homogeneous	LAYER 3 100%	Fibrous Glass Bituminous Matrix/Filler	10% 90%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353062

Date Received 03/20/2023
Date Analyzed 03/27/2023
Date Reported 03/27/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 145

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	(%)
2353062-069 272	Roof Mastic, White/Silver/Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	5% 5% 60% 30%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-070 273	Roof Mastic, White/Silver/Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	5% <1% 60% 35%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-071 274	Roof Mastic, White/Silver/Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	5% 5% 60% 30%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-072 275	HVAC Sealant, White, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-073 276	HVAC Sealant, White, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-074 277	HVAC Sealant, White, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353062

Date Received 03/20/2023
Date Analyzed 03/27/2023
Date Reported 03/27/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 145

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	(%)
2353062-075 278	Flex Collar, Grey, Homogeneous	LAYER 1 100%	Fibrous Glass Non-Fibrous Material	90% 10%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-076 279	Flex Collar, Grey, Homogeneous	LAYER 1 100%	Fibrous Glass Non-Fibrous Material	85% 15%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-077 280	Flex Collar, Grey, Homogeneous	LAYER 1 100%	Fibrous Glass Non-Fibrous Material	90% 10%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-078 281A	Gravel Roof Core - Composition Roofing, White/Black, Non- homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Calcium Carbonate	15% 5% 30%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-079 281B	Gravel Roof Core - Composition Roofing, Brown/Beige/Black, Non- homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler Other Non-Fibrous Material	25% 50% 25%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-080 281C	Gravel Roof Core - Layered Felt/Tar, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Bituminous Matrix/Filler	20% 10% 70%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353062

Date Received 03/20/2023
Date Analyzed 03/27/2023
Date Reported 03/27/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 145

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	(%)
2353062-081 281D	Gravel Roof Core - Insulation, Brown, Non-homogeneous	LAYER 1 100%	Wood Fiber	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2353062-082 282A	Gravel Roof Core - Composition Roofing, White/Black, Non- homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Calcium Carbonate	20% 15% 20%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2353062-083 282B	Gravel Roof Core - Composition Roofing, Brown/Grey/Black, Non- homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler Other Non-Fibrous Material	25% 45% 30%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2353062-084 282C	Gravel Roof Core - Felt/Tar, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2353062-085 282D	Gravel Roof Core - Insulation, Brown, Non-homogeneous	LAYER 1 100%	Wood Fiber	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2353062-086 283A	Gravel Roof Core - Composition Roofing, White/Black, Non- homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Calcium Carbonate	20% 10% 25%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353062

Date Received 03/20/2023
Date Analyzed 03/27/2023
Date Reported 03/27/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 145

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	(%)
2353062-087 283B	Gravel Roof Core - Composition Roofing, Brown/Grey/Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix Other Non-Fibrous Material	50% 30% 20%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-088 283C	Gravel Roof Core - Felt/Tar, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-089 283D	Gravel Roof Core - Insulation, Brown, Homogeneous	LAYER 1 100%	Wood Fiber	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-090 284	Roof Mastic, White/Black/Grey, 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%
2353062-091 285	Roof Mastic, White/Black, Non-homogeneous	LAYER 1 100%	Bituminous Matrix/Filler Other Non-Fibrous Material	87% 10%	Chrysotile	3%
Asbestos Present: Yes		Total % Non-Asbestos:		97.0%	Total %Asbestos:	3.0%
2353062-092 286	Roof Mastic, Grey/Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler Other Non-Fibrous Material	15% 50% 35%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353062

Date Received 03/20/2023
Date Analyzed 03/27/2023
Date Reported 03/27/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 145

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	(%)
2353062-093 287	Metal Roof Sealing Tape, White, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2353062-094 288	Metal Roof Sealing Tape, White, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2353062-095 289	Metal Roof Sealing Tape, White, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2353062-096 290	Sealing Compound, Grey, Homogeneous	LAYER 1 100%	Non-Fibrous Material	90%	Chrysotile	10%
Asbestos Present: Yes		Total % Non-Asbestos:		90.0%	Total %Asbestos: 10.0%	
2353062-097 291	Sealing Compound, Grey, Homogeneous	LAYER 1 100%	Non-Fibrous Material	90%	Chrysotile	10%
Asbestos Present: Yes		Total % Non-Asbestos:		90.0%	Total %Asbestos: 10.0%	
2353062-098 292	Sealing Compound, Grey, Homogeneous	LAYER 1 100%	Non-Fibrous Material	90%	Chrysotile	10%
Asbestos Present: Yes		Total % Non-Asbestos:		90.0%	Total %Asbestos: 10.0%	
2353062-099 293	Abandoned Fire Brick, Beige, Homogeneous	LAYER 1 100%	Vermiculite Binder/Filler	25% 75%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353062

Date Received 03/20/2023
Date Analyzed 03/27/2023
Date Reported 03/27/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 145

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	(%)
2353062-100 294	Abandoned Fire Brick, Beige, Homogeneous	LAYER 1 100%	Vermiculite Binder/Filler	25% 75%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-101 295	Abandoned Fire Brick, Beige, Homogeneous	LAYER 1 100%	Vermiculite Binder/Filler	25% 75%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-102 296	12" O.D. Pipe Wrap Canvas, White/Beige/Silver/Black, Non- homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Bituminous Material	40% <1% 30%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-103 297	12" O.D. Pipe Wrap Canvas, Yellow/Silver/Black, Non- homogeneous	LAYER 1 100%	Fibrous Glass Cellulose Fiber Bituminous Matrix	20% 10% 50%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-104 298	12" O.D. Pipe Wrap Canvas, White/Beige/Silver, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Non-Fibrous Material	60% 10% 30%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-105 299	12" O.D. Elbow, White/Grey, Non- homogeneous	LAYER 1 100%	Mineral Wool Cellulose Fiber Binder/Filler	30% 15% 55%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353062

Date Received 03/20/2023
Date Analyzed 03/27/2023
Date Reported 03/27/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 145

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	(%)
2353062-106 300	12" O.D. Elbow, White/Grey, Non-homogeneous	LAYER 1 100%	Mineral Wool Cellulose Fiber Binder/Filler	30% 15% 55%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-107 301	12" O.D. Elbow, White/Grey, Non-homogeneous	LAYER 1 100%	Mineral Wool Cellulose Fiber Binder/Filler	30% 15% 55%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-108 302	2" O.D. Elbow, Grey, Homogeneous	LAYER 1 100%	Mineral Wool Cellulose Fiber Binder/Filler	50% <1% 50%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-109 303	2" O.D. Elbow, Grey, Homogeneous	LAYER 1 100%	Mineral Wool Cellulose Fiber Binder/Filler	50% <1% 50%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-110 304	2" O.D. Elbow, Grey, Homogeneous	LAYER 1 100%	Mineral Wool Cellulose Fiber Binder/Filler	50% <1% 50%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-111 305	4" O.D. Elbow, Grey, Homogeneous	LAYER 1 100%	Mineral Wool Cellulose Fiber Binder/Filler	50% <1% 50%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353062

Date Received 03/20/2023
Date Analyzed 03/27/2023
Date Reported 03/27/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 145

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	(%)
2353062-112 306	4" O.D. Elbow, Grey, Homogeneous	LAYER 1 100%	Mineral Wool Cellulose Fiber Binder/Filler	50% <1% 50%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-113 307	4" O.D. Elbow, Grey, Homogeneous	LAYER 1 100%	Mineral Wool Cellulose Fiber Binder/Filler	50% <1% 50%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-114 308	HVAC Seam Tape, Brown/Cream, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Adhesive Binders/Filler	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-115 309	HVAC Seam Tape, Brown/Cream, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Adhesive Binders/Filler	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-116 310	HVAC Seam Tape, Brown/Cream, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Adhesive Binders/Filler	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-117 311	Adhesive Material, Red/Brown, Non- homogeneous	LAYER 1 100%	Fibrous Glass Adhesive Binders	65% 35%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353062

Date Received 03/20/2023
Date Analyzed 03/27/2023
Date Reported 03/27/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 145

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	(%)
2353062-118 312	Adhesive Material, Red/Brown, Non-homogeneous	LAYER 1 100%	Fibrous Glass Adhesive Binders	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-119 313	Adhesive Material, Red/Brown, Non-homogeneous	LAYER 1 100%	Fibrous Glass Adhesive Binders	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-120 314	Jack Mastic, Beige/Black, Non-homogeneous	LAYER 1 100%	Adhesive Binders/Filler	98%	Chrysotile	2%
Asbestos Present: Yes		Total % Non-Asbestos:		98.0%	Total %Asbestos:	2.0%
2353062-121 315	Jack Mastic, Beige/Black, Non-homogeneous	LAYER 1 100%	Adhesive Binders/Filler	98%	Chrysotile	2%
Asbestos Present: Yes		Total % Non-Asbestos:		98.0%	Total %Asbestos:	2.0%
2353062-122 316	Jack Mastic, Beige/Black, Non-homogeneous	LAYER 1 100%	Adhesive Binders/Filler	98%	Chrysotile	2%
Asbestos Present: Yes		Total % Non-Asbestos:		98.0%	Total %Asbestos:	2.0%
2353062-123 317A	Gravel Roof Core - Capsheet, White/Silver/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Calcium Carbonate Bituminous Matrix Other Non-Fibrous Material	5% 35% 45% 15%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-124 317B	Gravel Roof Core - Layered Felt/Tar, 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



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353062

Date Received 03/20/2023
Date Analyzed 03/27/2023
Date Reported 03/27/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 145

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	(%)
2353062-125 318A	Gravel Roof Core - Capsheet, White/Silver/black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Calcium Carbonate Bituminous Matrix Other Non-Fibrous Material	5% 35% 45% 15%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-126 318B	Gravel Roof Core - Layered Felt/Tar, 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
2353062-127 319A	Gravel Roof Core - Capsheet, White/Silver/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Calcium Carbonate Bituminous Matrix Other Non-Fibrous Material	5% 40% 40% 15%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-128 319B	Gravel Roof Core - Layered Felt/Tar, 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
2353062-129 319C	Gravel Roof Core - Composition Roofing, White/Brown/Black, Non- homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	10% 75% 15%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-130 320A	Roof Felt Kicksheet - Capsheet, White/Black, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	20% 10% 25% 45%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353062

Date Received 03/20/2023
Date Analyzed 03/27/2023
Date Reported 03/27/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 145

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	(%)
2353062-131 320B	Roof Felt Kicksheet - Felt/Tar, 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
2353062-132 321A	Roof Felt Kicksheet - Capsheet, White/Black, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	20% 10% 25% 45%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-133 321B	Roof Felt Kicksheet - Felt/Tar, 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
2353062-134 322A	Roof Felt Kicksheet - Capsheet, White/Black, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	20% 10% 25% 45%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-135 322B	Rolled-on Roof Core - Felt/Tar, 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
2353062-136 323A	Rolled-on Roof Core - Composition Roofing, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix Other Non-Fibrous Material	50% 30% 20%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353062

Date Received 03/20/2023
Date Analyzed 03/27/2023
Date Reported 03/27/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 145

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	(%)
2353062-137 323B	Rolled-on Roof Core - Felt/Tar, Black, Non-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
2353062-138 324A	Rolled-on Roof Core - Composition Roofing, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix Other Non-Fibrous Material	45% 35% 20%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-139 324B	Rolled-on Roof Core - Felt/Tar, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	70% 30%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-140 325A	Rolled-on Roof Core - Membrane, Brown/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Other Non-Fibrous Material	10% 70% 20%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-141 325B	Rolled-on Roof Core - Composition Roofing, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix Other Non-Fibrous Material	45% 35% 20%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353062-142 325C	Rolled-on Roof Core - Layered Felt/Tar, Black, Non-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



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353062

Date Received 03/20/2023
Date Analyzed 03/27/2023
Date Reported 03/27/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 145

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	(%)
2353062-143 326	Flange Gasket, Green/Brown	LAYER 1 100%	Cellulose Fiber Synthetic Fiber Binder/Filler	40% 35% 25%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2353062-144 327	Flange Gasket, Green/Brown	LAYER 1 100%	Cellulose Fiber Synthetic Fiber Binder/Filler	40% 35% 25%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2353062-145 328	Flange Gasket, Brown, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	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

Analyst - Fred Chappellear

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. 2353062

CUSTOMER INFORMATION		Turnaround Time	Shipped By	Report Send Via:
Company	NV5	Same Day <input type="checkbox"/>	Fedex <input type="checkbox"/>	Web <input type="checkbox"/>
Address	3777 Long Beach Boulevard	1 Day <input type="checkbox"/>	UPS <input type="checkbox"/>	Email <input checked="" type="checkbox"/>
City/State/Zip	Long Beach, CA 90807	2 Day <input type="checkbox"/>	USPS <input type="checkbox"/>	Fax <input type="checkbox"/>
Contact	<u>Eric Fleming</u>	3 Day <input checked="" type="checkbox"/>	Drop Off <input checked="" type="checkbox"/>	Verbal <input type="checkbox"/>
Office Phone	562/ 495-5777	5 Day <input type="checkbox"/>	Drop Box <input type="checkbox"/>	Mail <input type="checkbox"/>
Cell	<u>(510) 951-9486</u>	Weekend <input type="checkbox"/>	Other <input type="checkbox"/>	Pick up <input type="checkbox"/>
Fax	562/ 495-5877	Special Instructions:		
Email	<u>Eric.Fleming@nv5.com</u>			

PROJECT INFORMATION	
Project Name:	<u>R SCC</u>
Project Number:	<u>RSCC-23-11447</u>
Location:	<u>Russell Hall Bldg.</u>
PO Number:	
Work Order No.:	
Sampled By:	<u>Vickson Sanchez</u>

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time	Avg	Volume (L)	
				Stop Time	Flow Rate		
227	STULLO			-----			
228				-----			
229					-----		
230					-----		
231					-----		
232					-----		
233					-----		
234					-----		
235					-----		

Relinquished By: <u>Vickson Sanchez</u>	Received By: <u>Jackie Taylor</u>
Date/Time: <u>3-19-2023 2:00</u>	Date/Time: <u>3/20/23 08:00</u>

CHAIN OF CUSTODY

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



Company: <u>NV5</u>
Project Number: <u>RSU-23-11443</u>
Project Name: <u>Russell Hill Bldg</u>

Analysis: PLM
TAT: 3 day

(Lab) Order No. <u>2353062</u>

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
236	gray window sealant					
237						
238						
239	gray scaly compound					
240						
241						
242	black/gray scaly compound					
243						
244						
245	black mastic					
246						
247						
248	moisture barrier material					
249						
250						
251	transite panel					
252						
253						

Relinquished By: <u>Vicki Sander</u>	Received By: <u>Jackie Taylor</u>
Date/Time: <u>3-19-2023 2:00</u>	Date/Time: <u>3/20/23 08:00</u>

Company:	<u>NVS</u>
Project Number:	<u>RSCL-23-11447</u>
Project Name:	<u>Russell Hall Bldg</u>

(Lab) Order No.	<u>2353062</u>
-----------------	----------------

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
254	Gravel roof core					
255	}					
256						
257	Black nerdic					
258	}					
259						
260	STULLO					
261	}					
262						
263	sand plaster					
264	}					
265						
266	9" tan floor tile acoustical					
267	}					
268						
269	walking pads					
270	}					
271						

Relinquished By: <u>Vivian Sandoz</u>	Received By: <u>Jackie Tyyg</u>
Date/Time: <u>3-19-2023 2:00</u>	Date/Time: <u>3/20/23 08:00</u>
Relinquished By:	Received By:
Date/Time:	Date/Time:

Company:	<u>NVS</u>
Project Number:	<u>RSCL-24-11447</u>
Project Name:	<u>Russell Hill Bldg</u>

(Lab) Order No.	<u>2353062</u>
-----------------	----------------

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
272	roof mastik					
273	↓					
274	↓					
275	white HVAC scallot					
276	↓					
277	↓					
278	flex collar					
279	↓					
280	↓					
281	Gnove (roof) cone					
282	↓					
283	↓					
284	roof mastik					
285	↓					
286	↓					
287	metal roof scalling tape					
288	↓					
289	↓					

Relinquished By: <u>V. Smith</u>	Received By: <u>Jackie Taylor</u>
Date/Time: <u>3-19-2023</u>	Date/Time: <u>3/20/23 08:00</u>
Relinquished By:	Received By:
Date/Time:	Date/Time:

Company: <u>KUS.</u>
Project Number: <u>RSCC-23-11447.</u>
Project Name: <u>Russell Hall Bldg</u>

(Lab) Order No. <u>2353062</u>

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
290	gray sealing compound					
291						
292						
293	abandoned beige fire brick					
294						
295						
296	12" OD. pipe wrap cement					
297						
298						
299	12" OD elbow					
300						
301						
302	2 in OD elbow					
303						
304						
305	4" OD elbow					
306						
307						

Relinquished By: <u>Victor Sanchez</u>	Received By: <u>Jackie Taylor</u>
Date/Time: <u>3-19-2023 2:10</u>	Date/Time: <u>3/20/23 08:00</u>
Relinquished By:	Received By:
Date/Time:	Date/Time:

Company: NVS
Project Number: RSCC-23-11447
Project Name: Russell Hall Bldg.

(Lab) Order No. 2352062

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Time		Avg Flow Rate	Volume (L)
				Start	Stop		
308	Beige HVAC scum tape						
309							
310							
311	red adhesive material						
312							
313							
314	Beige Jack mastik						
315							
316							
317	Gravel roof cone						
318							
319							
320	white roof felt kicksheet						
321							
322							
323	gray rolled-on roof cone						
324							
325							
326	flange gasket						
327							
328							

Relinquished By: <u>VICTA SMITH</u>	Received By: <u>JACKIE TAYLOR</u>
Date/Time: <u>3-19-2023 2106</u>	Date/Time: <u>3/20/23 08:00</u>
Relinquished By:	Received By:
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 Blvd.
Long Beach CA 90807
Attn.: Eric Fleming

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353053

Date Received 03/17/2023
Date Analyzed 03/23/2023
Date Reported 03/23/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 103

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	(%)
2353053-001 25	Rough Plaster, Beige, Non-homogeneous Note: No finish coat present	LAYER 1 100%	Quartz Vermiculite Gypsum/Binder/Filler	45% 10% 45%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-002 26	Rough Plaster, Beige, Non-homogeneous Note: No finish coat present	LAYER 1 100%	Quartz Vermiculite Gypsum/Binder/Filler	45% 10% 45%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-003 27	Rough Plaster, Beige, Non-homogeneous Note: No finish coat present	LAYER 1 100%	Quartz Vermiculite Gypsum/Binder/Filler	45% 10% 45%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-004 46A	Transite Panel, White/Gray, Non-homogeneous	LAYER 1 100%	Binder/Filler	90%	Chrysotile	10%
Asbestos Present: Yes		Total % Non-Asbestos:		90.0%	Total %Asbestos:	10.0%
2353053-005 46B	Insulation, Dk. Brown, Homogeneous	LAYER 1 100%	Cellulose Fiber Perlite	50% 50%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-006 47A	Transite Panel, White/Gray, Non-homogeneous	LAYER 1 100%	Binder/Filler	90%	Chrysotile	10%
Asbestos Present: Yes		Total % Non-Asbestos:		90.0%	Total %Asbestos:	10.0%



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353053

Date Received 03/17/2023
Date Analyzed 03/23/2023
Date Reported 03/23/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 103

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	(%)
2353053-007 47B	Insulation, Dk. Brown, Homogeneous	LAYER 1 100%	Cellulose Fiber Perlite	50% 50%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-008 48A	Transite Panel, White/Gray, Non-homogeneous	LAYER 1 100%	Binder/Filler	90%	Chrysotile	10%
Asbestos Present: Yes		Total % Non-Asbestos:		90.0%	Total %Asbestos:	10.0%
2353053-009 48B	Insulation, Dk. Brown, Homogeneous	LAYER 1 100%	Cellulose Fiber Perlite	50% 50%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-010 52	Counter Material, Black, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-011 53	Counter Material, Black, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-012 54	Counter Material, Black/Dk. Brown, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-013 88	Window Casing Sealant, White/Gray, Non-homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353053

Date Received 03/17/2023
Date Analyzed 03/23/2023
Date Reported 03/23/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 103

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	(%)
2353053-014 89	Window Casing Sealant, White/Gray, Non-homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-015 90	Window Casing Sealant, White/Gray, Non-homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-016 135A	3" Covebase, Black, Homogeneous	LAYER 1 100%	Vinyl Binder/ Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-017 135B	Adhesive, Dk. Brown, Homogeneous	LAYER 1 100%	Fibrous Talc Organic Binders	5% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-018 136A	3" Covebase, Black, Homogeneous	LAYER 1 100%	Vinyl Binder/ Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-019 136B	Adhesive, Dk. Brown, Homogeneous	LAYER 1 100%	Fibrous Talc Organic Binders	5% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-020 137A	3" Covebase, Black, Homogeneous	LAYER 1 100%	Vinyl Binder/ Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353053

Date Received 03/17/2023
Date Analyzed 03/23/2023
Date Reported 03/23/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 103

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	(%)
2353053-021 137B	Adhesive, Dk. Brown, Homogeneous	LAYER 1 100%	Fibrous Talc Organic Binders	5% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-022 138	Counter Material, Black, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-023 139	Counter Material, Black, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-024 140	Counter Material, Black, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-025 204A	9" Floor Tile, White, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 55%	Chrysotile	5%
Asbestos Present: Yes		Total % Non-Asbestos:		95.0%	Total %Asbestos:	5.0%
2353053-026 204B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix	85%	Chrysotile	15%
Asbestos Present: Yes		Total % Non-Asbestos:		85.0%	Total %Asbestos:	15.0%
2353053-027 205A	9" Floor Tile, White, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 55%	Chrysotile	5%
Asbestos Present: Yes		Total % Non-Asbestos:		95.0%	Total %Asbestos:	5.0%



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353053

Date Received 03/17/2023
Date Analyzed 03/23/2023
Date Reported 03/23/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 103

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	(%)
2353053-028 205B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix	85%	Chrysotile	15%
Asbestos Present: Yes		Total % Non-Asbestos:		85.0%	Total %Asbestos:	15.0%
2353053-029 208A	9" Floor Tile, White, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 55%	Chrysotile	5%
Asbestos Present: Yes		Total % Non-Asbestos:		95.0%	Total %Asbestos:	5.0%
2353053-030 208B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix	85%	Chrysotile	15%
Asbestos Present: Yes		Total % Non-Asbestos:		85.0%	Total %Asbestos:	15.0%
2353053-031 214A	9" Floor Tile, Lt. Green, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 55%	Chrysotile	5%
Asbestos Present: Yes		Total % Non-Asbestos:		95.0%	Total %Asbestos:	5.0%
2353053-032 214B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix	85%	Chrysotile	15%
Asbestos Present: Yes		Total % Non-Asbestos:		85.0%	Total %Asbestos:	15.0%
2353053-033 217A	9" Floor Tile, Lt. Green, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 55%	Chrysotile	5%
Asbestos Present: Yes		Total % Non-Asbestos:		95.0%	Total %Asbestos:	5.0%
2353053-034 217B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix	85%	Chrysotile	15%
Asbestos Present: Yes		Total % Non-Asbestos:		85.0%	Total %Asbestos:	15.0%



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353053

Date Received 03/17/2023
Date Analyzed 03/23/2023
Date Reported 03/23/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 103

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	(%)
2353053-035 218A	9" Floor Tile, Dk. Green, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 55%	Chrysotile	5%
Asbestos Present: Yes		Total % Non-Asbestos:		95.0%	Total %Asbestos:	5.0%
2353053-036 218B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix	90%	Chrysotile	10%
Asbestos Present: Yes		Total % Non-Asbestos:		90.0%	Total %Asbestos:	10.0%
2353053-037 219A	9" Floor Tile, Dk. Green, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 55%	Chrysotile	5%
Asbestos Present: Yes		Total % Non-Asbestos:		95.0%	Total %Asbestos:	5.0%
2353053-038 219B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix	90%	Chrysotile	10%
Asbestos Present: Yes		Total % Non-Asbestos:		90.0%	Total %Asbestos:	10.0%
2353053-039 220A	9" Floor Tile, Dk. Green, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 55%	Chrysotile	5%
Asbestos Present: Yes		Total % Non-Asbestos:		95.0%	Total %Asbestos:	5.0%
2353053-040 220B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix	90%	Chrysotile	10%
Asbestos Present: Yes		Total % Non-Asbestos:		90.0%	Total %Asbestos:	10.0%
2353053-041 221A	9" Floor Tile, Dk. Green, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 55%	Chrysotile	5%
Asbestos Present: Yes		Total % Non-Asbestos:		95.0%	Total %Asbestos:	5.0%



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353053

Date Received 03/17/2023
Date Analyzed 03/23/2023
Date Reported 03/23/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 103

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	(%)
2353053-042 221B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix	90%	Chrysotile	10%
Asbestos Present: Yes		Total % Non-Asbestos:		90.0%	Total %Asbestos:	10.0%
2353053-043 222A	9" Floor Tile, Dk. Green, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 55%	Chrysotile	5%
Asbestos Present: Yes		Total % Non-Asbestos:		95.0%	Total %Asbestos:	5.0%
2353053-044 222B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix	95%	Chrysotile	5%
Asbestos Present: Yes		Total % Non-Asbestos:		95.0%	Total %Asbestos:	5.0%
2353053-045 223A	9" Floor Tile, Dk. Green, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 55%	Chrysotile	5%
Asbestos Present: Yes		Total % Non-Asbestos:		95.0%	Total %Asbestos:	5.0%
2353053-046 223B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix	90%	Chrysotile	10%
Asbestos Present: Yes		Total % Non-Asbestos:		90.0%	Total %Asbestos:	10.0%
2353053-047 224A	9" Floor Tile, Dk. Green, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 55%	Chrysotile	5%
Asbestos Present: Yes		Total % Non-Asbestos:		95.0%	Total %Asbestos:	5.0%
2353053-048 224B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix	95%	Chrysotile	5%
Asbestos Present: Yes		Total % Non-Asbestos:		95.0%	Total %Asbestos:	5.0%



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353053

Date Received 03/17/2023
Date Analyzed 03/23/2023
Date Reported 03/23/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 103

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	(%)
2353053-049 225A	9" Floor Tile, Dk. Green, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 55%	Chrysotile	5%
Asbestos Present: Yes		Total % Non-Asbestos:		95.0%	Total %Asbestos:	5.0%
2353053-050 225B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix	90%	Chrysotile	10%
Asbestos Present: Yes		Total % Non-Asbestos:		90.0%	Total %Asbestos:	10.0%
2353053-051 226A	9" Floor Tile, Dk. Green, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 55%	Chrysotile	5%
Asbestos Present: Yes		Total % Non-Asbestos:		95.0%	Total %Asbestos:	5.0%
2353053-052 226B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix	90%	Chrysotile	10%
Asbestos Present: Yes		Total % Non-Asbestos:		90.0%	Total %Asbestos:	10.0%
2353053-053 153	Fireproofing, Beige, Homogeneous	LAYER 1 100%	Vermiculite Gypsum/Binder/Filler	35% 50%	Chrysotile	15%
Asbestos Present: Yes		Total % Non-Asbestos:		85.0%	Total %Asbestos:	15.0%
2353053-054 154	Fireproofing, Beige, Homogeneous	LAYER 1 100%	Vermiculite Gypsum/Binder/Filler	35% 50%	Chrysotile	15%
Asbestos Present: Yes		Total % Non-Asbestos:		85.0%	Total %Asbestos:	15.0%
2353053-055 155	Fireproofing, Beige, Homogeneous	LAYER 1 100%	Vermiculite Gypsum/Binder/Filler	35% 50%	Chrysotile	15%
Asbestos Present: Yes		Total % Non-Asbestos:		85.0%	Total %Asbestos:	15.0%



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353053

Date Received 03/17/2023
Date Analyzed 03/23/2023
Date Reported 03/23/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 103

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	(%)
2353053-056 156	Fireproofing, Beige, Homogeneous	LAYER 1 100%	Vermiculite Gypsum/Binder/Filler	40% 45%	Chrysotile	15%
Asbestos Present: Yes		Total % Non-Asbestos:		85.0%	Total %Asbestos:	15.0%
2353053-057 157	Fireproofing, Beige, Homogeneous	LAYER 1 100%	Vermiculite Gypsum/Binder/Filler	40% 45%	Chrysotile	15%
Asbestos Present: Yes		Total % Non-Asbestos:		85.0%	Total %Asbestos:	15.0%
2353053-058 158	Fireproofing, Beige, Homogeneous	LAYER 1 100%	Vermiculite Gypsum/Binder/Filler	40% 45%	Chrysotile	15%
Asbestos Present: Yes		Total % Non-Asbestos:		85.0%	Total %Asbestos:	15.0%
2353053-059 159	Fireproofing, Beige, Homogeneous	LAYER 1 100%	Vermiculite Gypsum/Binder/Filler	40% 45%	Chrysotile	15%
Asbestos Present: Yes		Total % Non-Asbestos:		85.0%	Total %Asbestos:	15.0%
2353053-060 160	Fireproofing, Beige, Homogeneous	LAYER 1 100%	Vermiculite Gypsum/Binder/Filler	40% 45%	Chrysotile	15%
Asbestos Present: Yes		Total % Non-Asbestos:		85.0%	Total %Asbestos:	15.0%
2353053-061 161	Fireproofing, Beige, Homogeneous	LAYER 1 100%	Vermiculite Gypsum/Binder/Filler	35% 50%	Chrysotile	15%
Asbestos Present: Yes		Total % Non-Asbestos:		85.0%	Total %Asbestos:	15.0%



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353053

Date Received 03/17/2023

Date Sampled

Date Analyzed 03/23/2023

Sampled By Victor Sanchez

Date Reported 03/23/2023

Total Samples 103

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	(%)
2353053-062 162	4" Pipe Elbows, Gray, Homogeneous	LAYER 1 100%	Fibrous Glass Calcium Carbonate Binder/Filler	30% 45% 25%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-063 163	4" Pipe Elbows, Gray, Homogeneous	LAYER 1 100%	Fibrous Glass Calcium Carbonate Binder/Filler	30% 45% 25%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-064 164	4" Pipe Elbows, Gray, Homogeneous	LAYER 1 100%	Fibrous Glass Calcium Carbonate Binder/Filler	30% 45% 25%	Chrysotile	<1%
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<1%
2353053-065 165	4" Pipe Elbows, Gray, Homogeneous	LAYER 1 100%	Fibrous Glass Calcium Carbonate Binder/Filler	25% 30% 45%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-066 166	4" Pipe Elbows, Gray, Homogeneous	LAYER 1 100%	Fibrous Glass Cellulose Fiber Calcium Carbonate Binder/Filler	25% <1% 30% 45%	Chrysotile	<1%
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<1%
2353053-067 167	4" Pipe Elbows, Gray, Homogeneous	LAYER 1 100%	Fibrous Glass Calcium Carbonate Binder/Filler	20% 40% 38%	Chrysotile	2%
Asbestos Present: Yes		Total % Non-Asbestos:		98.0%	Total %Asbestos:	2.0%



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353053

Date Received 03/17/2023
Date Analyzed 03/23/2023
Date Reported 03/23/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 103

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	(%)
2353053-068 168	4" Pipe Elbows, Gray, Homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	55% 25%	Amosite	20%
Asbestos Present: Yes		Total % Non-Asbestos:		80.0%	Total %Asbestos:	20.0%
2353053-069 169	4" Pipe Elbows, Gray, Homogeneous	LAYER 1 100%	Fibrous Glass Calcium Carbonate Binder/Filler	25% 40% 35%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-070 170	4" Pipe Elbows, Gray, Homogeneous	LAYER 1 100%	Fibrous Glass Calcium Carbonate Binder/Filler	25% 40% 35%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-071 171	HVAC Seam Tape, White (Beige), Homogeneous	LAYER 1 100%	Cellulose Fiber Binder/Filler	80% 20%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-072 172	HVAC Seam Tape, White (Beige), Homogeneous	LAYER 1 100%	Cellulose Fiber Binder/Filler	80% 20%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-073 173	HVAC Seam Tape, White (Beige), Homogeneous	LAYER 1 100%	Cellulose Fiber Binder/Filler	80% 20%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353053

Date Received 03/17/2023
Date Analyzed 03/23/2023
Date Reported 03/23/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 103

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	(%)
2353053-074 174	HVAC Seam Tape, White (Beige), Homogeneous	LAYER 1 100%	Cellulose Fiber Binder/Filler	80% 20%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-075 175	HVAC Seam Tape, White (Beige), Homogeneous	LAYER 1 100%	Cellulose Fiber Binder/Filler	80% 20%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-076 176	HVAC Seam Tape, White (Beige), Homogeneous	LAYER 1 100%	Cellulose Fiber Binder/Filler	80% 20%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-077 177	Sealing Compound, Brown (Tan), Homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	90% 10%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-078 178	Sealing Compound, Brown (Tan), Homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	90% 10%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-079 179	Sealing Compound, Brown (Tan), Homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	90% 10%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353053

Date Received 03/17/2023
Date Analyzed 03/23/2023
Date Reported 03/23/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 103

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	(%)
2353053-080 180	Sealing Compound, Brown, Homogeneous	LAYER 1 100%	Organic Binders/Filler	97%	Chrysotile	3%
Asbestos Present: Yes		Total % Non-Asbestos:		97.0%	Total %Asbestos:	3.0%
2353053-081 181	Sealing Compound, Brown, Homogeneous	LAYER 1 100%	Organic Binders/Filler	97%	Chrysotile	3%
Asbestos Present: Yes		Total % Non-Asbestos:		97.0%	Total %Asbestos:	3.0%
2353053-082 182	Sealing Compound, Brown, Homogeneous	LAYER 1 100%	Organic Binders/Filler	97%	Chrysotile	3%
Asbestos Present: Yes		Total % Non-Asbestos:		97.0%	Total %Asbestos:	3.0%
2353053-083 183	Sealing Compound, Gray, Homogeneous	LAYER 1 100%	Vermiculite Organic Binders/Filler	30% 70%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-084 184	Sealing Compound, Gray, Homogeneous	LAYER 1 100%	Vermiculite Organic Binders/Filler	30% 70%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-085 185	Sealing Compound, Gray, Homogeneous	LAYER 1 100%	Vermiculite Organic Binders/Filler	30% 70%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-086 186	Sealing Compound, Dk. Gray, Homogeneous	LAYER 1 100%	Synthetic Fiber Organic Binders/Filler	<1% 100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353053

Date Received 03/17/2023
Date Analyzed 03/23/2023
Date Reported 03/23/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 103

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	(%)
2353053-087 187	Sealing Compound, Dk. Gray, Homogeneous	LAYER 1 100%	Synthetic Fiber Organic Binders/Filler	<1% 100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-088 188	Sealing Compound, Dk. Gray, Homogeneous	LAYER 1 100%	Synthetic Fiber Organic Binders/Filler	<1% 100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-089 189	Adhesive Material, Red, Homogeneous	LAYER 1 100%	Organic Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-090 190	Adhesive Material, Red, Homogeneous	LAYER 1 100%	Organic Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-091 191	Adhesive Material, Red, Homogeneous	LAYER 1 100%	Organic Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-092 192	Adhesive Material, Red, Homogeneous	LAYER 1 100%	Organic Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-093 193	Adhesive Material, Red, Homogeneous	LAYER 1 100%	Organic Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353053

Date Received 03/17/2023
Date Analyzed 03/23/2023
Date Reported 03/23/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 103

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	(%)
2353053-094 194	Adhesive Material, Red, Homogeneous	LAYER 1 100%	Organic Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-095 195	Felt Paper, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	80% 20%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-096 196	Felt Paper, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	80% 20%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-097 197	Felt Paper, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	80% 20%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-098 198	2" Pipe Elbow, Gray, Homogeneous	LAYER 1 100%	Fibrous Glass Calcium Carbonate Binder/Filler	15% 45% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353053-099 199	2" Pipe Elbow, Gray, Homogeneous	LAYER 1 100%	Fibrous Glass Calcium Carbonate Binder/Filler	25% 30% 45%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353053

Date Received 03/17/2023

Date Sampled

Date Analyzed 03/23/2023

Sampled By Victor Sanchez

Date Reported 03/23/2023

Total Samples 103

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	(%)
2353053-100 199A	2" Pipe Elbow, Gray, Homogeneous	LAYER 1 100%	Binder/Filler	80%	Amosite	20%
Asbestos Present: Yes		Total % Non-Asbestos:		80.0%	Total %Asbestos: 20.0%	
2353053-101 199B	6" Elbow and Hanger Insulation, Gray, Homogeneous	LAYER 1 100%	Fibrous Glass Calcium Carbonate Binder/Filler	50% 20% 30%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2353053-102 199C	6" Elbow and Hanger Insulation, Gray, Homogeneous	LAYER 1 100%	Fibrous Glass Calcium Carbonate Binder/Filler	25% 30% 45%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2353053-103 199D	6" Elbow and Hanger Insulation, Gray, Homogeneous	LAYER 1 100%	Binder/Filler	80%	Amosite	20%
Asbestos Present: Yes		Total % Non-Asbestos:		80.0%	Total %Asbestos: 20.0%	

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 Tabatt
Analyst - Cristina Tabatt

Cristina Tabatt
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. 2353053

CUSTOMER INFORMATION		Turnaround Time	Shipped By	Report Send Via:
Company	NV5	Same Day <input type="checkbox"/>	Fedex <input type="checkbox"/>	Web <input type="checkbox"/>
Address	3777 Long Beach Boulevard	1 Day <input type="checkbox"/>	UPS <input type="checkbox"/>	Email <input checked="" type="checkbox"/>
City/State/Zip	Long Beach, CA 90807	2 Day <input type="checkbox"/>	USPS <input type="checkbox"/>	Fax <input type="checkbox"/>
Contact	<u>Eric Fleming</u>	3 Day <input checked="" type="checkbox"/>	Drop Off <input checked="" type="checkbox"/>	Verbal <input type="checkbox"/>
Office Phone	562/ 495-5777	5 Day <input type="checkbox"/>	Drop Box <input type="checkbox"/>	Mail <input type="checkbox"/>
Cell	<u>(310) 951-9486</u>	Weekend <input type="checkbox"/>	Other <input type="checkbox"/>	Pick up <input type="checkbox"/>
Fax	562/ 495-5877	Special Instructions:		
Email	<u>Eric.Fleming@NV5.com</u>			

PROJECT INFORMATION	
Project Name: <u>RSCC</u>	PO Number: _____
Project Number: <u>RSCC-23-11447</u>	Work Order No.: _____
Location: <u>Russell Hall Bldg</u>	Sampled By: <u>Victor Sanchez</u>

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time	Avg	Volume (L)
				Stop Time	Flow Rate	
25	rough plaster			-----		
26	↓			-----		
27				-----		
46		transite panel with brown impurities			-----	
47	↓			-----		
48				-----		
52	Black counter material			-----		
53	↓			-----		
54				-----		

Relinquished By: <u>Victor Sanchez</u>	Received By: <u>Jackie Taylor</u>
Date/Time: <u>3-17-2023 4:30 PM</u>	Date/Time: <u>3/17/23 16:30</u>

CHAIN OF CUSTODY

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



Company: NV5
 Project Number: RSLL-23-11447
 Project Name: Russell Hall Bldg

Analysis: PLM

TAT: 3 day

(Lab) Order No. 2353053

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
88	gray window casing	scaland		-----		
89		}		-----		
90				-----		
135	3" black carbide and of lesion				-----	
136		}		-----		
137				-----		
138	black counter material				-----	
139		}		-----		
140				-----		
204	9" white floor tile and waste				-----	
205		}		-----		
208				-----		
214	9" light green floor tile and waste				-----	
217		}		-----		
218	9" dark green floor tile and waste				-----	
219					-----	
220		}		-----		
221					-----	
222					-----	
223					-----	

Relinquished By: <u>Vivian Smith</u>	Received By: <u>Jackie Taylor</u>
Date/Time: <u>3-17-2023 4:30 PM</u>	Date/Time: <u>3/17/23 16:30</u>



CHAIN OF CUSTODY

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

Company: NVS
 Project Number: RSCL-2
 Project Name: Russell Hull Bldg

(Lab) Order No. 2353053

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
224	9" dark green floor tile and waste					
225	} fireproofing					
226						
153						
154						
155						
156						
157						
158						
159						
160						
161						
162	4" pipe elbows					
163	}					
164						
165						
166						
167						
168						
169						

Relinquished By: <u>Vicente Sanchez</u>	Received By: <u>Jackie Taylor</u>
Date/Time: <u>3-17-23 4:30PM</u>	Date/Time: <u>3/17/23 16:30</u>
Relinquished By:	Received By:
Date/Time:	Date/Time:



CHAIN OF CUSTODY

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

Company: NVT
 Project Number: RSLC-23-23-11442
 Project Name: Russell Hall Bldg

(Lab) Order No. 2353053

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)	
170	4" pipe elbow						
171	white HVAC scan tape						
172							
173							
174							
175							
176							
177		Brown scaling compound					
178							
179							
180							
181							
182							
183	gray scaling compound						
184							
185							
186							
187							
188							

Relinquished By: <u>Vicente Sanchez</u>	Received By: <u>Jackie Taylor</u>
Date/Time: <u>3-17-2023 4:30 PM</u>	Date/Time: <u>3/17/23 16:30</u>
Relinquished By:	Received By:
Date/Time:	Date/Time:



CHAIN OF CUSTODY

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

Company: LVT
 Project Number: RSUC-23-11443
 Project Name: Russell Hall Bldg

(Lab) Order No. 2353053

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
189	Red adhesive material					
190						
191						
192						
193						
194						
195	Black felt paper					
196						
197						
198	2" pipe elbow					
199						
199A						
199B	6" elbow and Hanger insulation					
199C						
199D						

Relinquished By: <u>Vern Smith</u>	Received By: <u>Jackie Taylor</u>
Date/Time: <u>3-17-2023 4:34 PM</u>	Date/Time: <u>3/17/23 16:20</u>
Relinquished By:	Received By:
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 Blvd.
Long Beach CA 90807
Attn.: Eric Fleming

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353028

Date Received 03/17/2023
Date Analyzed 03/22/2023
Date Reported 03/22/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 114

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	(%)
2353028-001 94A	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	10% <1% 90%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-002 94B	Joint Compound, White, Non-homogeneous	LAYER 1 100%	Perlite Calcium Carbonate Binder/Filler	20% 70% 10%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-003 95A	Drywall, White/Brown/Green, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	15% <1% 85%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-004 95B	Joint Compound, White, Non-homogeneous	LAYER 1 100%	Perlite Calcium Carbonate Binder/Filler	20% 70% 10%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-005 96A	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	15% <1% 85%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353028

Date Received 03/17/2023
Date Analyzed 03/22/2023
Date Reported 03/22/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 114

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	(%)
2353028-006 96B	Joint Compound, White/ Brown, Non-homogeneous	LAYER 1 100%	Perlite Calcium Carbonate Binder/Filler	10% 70% 20%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-007 13	Smooth Plaster- Finish Coat, White, Homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Gypsum/Binder/Filler	5% 15% 80%	None Detected	
	Base Coat, Beige, Non-homogeneous	LAYER 2 100%	Quartz Gypsum/Binder/Filler	45% 55%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-008 14	Smooth Plaster- Finish Coat, Gray/White, Homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Gypsum/Binder/Filler	5% 15% 80%	None Detected	
	Base Coat, Beige, Non-homogeneous	LAYER 2 100%	Quartz Gypsum/Binder/Filler	45% 55%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-009 15	Smooth Plaster- Finish Coat, Beige/White, Homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Gypsum/Binder/Filler	5% 15% 80%	None Detected	
	Base Coat, Beige, Non-homogeneous	LAYER 2 100%	Quartz Gypsum/Binder/Filler	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353028

Date Received 03/17/2023
Date Analyzed 03/22/2023
Date Reported 03/22/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 114

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	(%)
2353028-010 16	Smooth Plaster- Finish Coat, Beige/White, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Gypsum/Binder/Filler	60% 40%	None Detected	
	Base Coat, Gray, Non-homogeneous	LAYER 2 100%	Quartz Gypsum/Binder/Filler	45% 55%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-011 17	Smooth Plaster- Finish Coat, Beige/White, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Gypsum/Binder/Filler	60% 40%	None Detected	
	Base Coat, Beige, Non-homogeneous	LAYER 2 100%	Quartz Gypsum/Binder/Filler	35% 65%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-012 18	Smooth Plaster- Finish Coat, Beige/White, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Gypsum/Binder/Filler	60% 40%	None Detected	
	Base Coat, Beige, Non-homogeneous	LAYER 2 100%	Quartz Gypsum/Binder/Filler	50% 50%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-013 19	Smooth Plaster- Finish Coat, Beige/White, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Gypsum/Binder/Filler	35% 65%	None Detected	
	Base Coat, Beige, Non-homogeneous	LAYER 2 100%	Quartz Gypsum/Binder/Filler	45% 55%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353028

Date Received 03/17/2023
Date Analyzed 03/22/2023
Date Reported 03/22/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 114

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	(%)
2353028-014 20	Smooth Plaster- Finish Coat, White, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Gypsum/Binder/Filler	80% 20%	None Detected	
	Base Coat, Beige, Non-homogeneous	LAYER 2 100%	Vermiculite Gypsum/Binder/Filler	40% 60%	Chrysotile	<1%
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<1%
2353028-015 21	Smooth Plaster- Finish Coat, Beige/White, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Gypsum/Binder/Filler	40% 60%	None Detected	
	Base Coat, Beige, Non-homogeneous	LAYER 2 100%	Vermiculite Gypsum/Binder/Filler	30% 70%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-016 22	Rough Plaster, Gray, Non- homogeneous Note: No finish coat present	LAYER 1 100%	Quartz Gypsum/Binder/Filler	45% 55%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-017 23	Rough Plaster, Beige, Non- homogeneous Note: No finish coat present	LAYER 1 100%	Quartz Gypsum/Binder/Filler	50% 50%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-018 24	Rough Plaster, Blue/Beige, Non- homogeneous Note: No finish coat present	LAYER 1 100%	Quartz Gypsum/Binder/Filler	45% 55%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353028

Date Received 03/17/2023
Date Analyzed 03/22/2023
Date Reported 03/22/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 114

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	(%)
2353028-019 28	Rough Plaster- Finish Coat, Beige, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	75% 25%	None Detected	
	Base Coat, Gray, Non-homogeneous	LAYER 2 100%	Quartz Calcium Carbonate Binder/Filler	40% 50% 10%	Chrysotile	<1%
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	Total %Asbestos:	<1%
2353028-020 29	Rough Plaster- Finish Coat, White, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Gypsum/Binder/Filler	10% 65% 25%	None Detected	
	Base Coat, Lt. Gray, Non- homogeneous	LAYER 2 100%	Quartz Gypsum/Binder/Filler	45% 55%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	Total %Asbestos:	No Asbestos Detected
2353028-021 30	Rough Plaster, Beige, Non- homogeneous	LAYER 1 100%	Quartz Gypsum/Binder/Filler	40% 60%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	Total %Asbestos:	No Asbestos Detected
2353028-022 58	Counter Material, Black, Homogeneous	LAYER 1 100%	Binder/Filler	70%	Chrysotile	30%
	Asbestos Present: Yes		Total % Non-Asbestos:	70.0%	Total %Asbestos:	30.0%
2353028-023 59	Counter Material, Black/Dk. Brown, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353028

Date Received 03/17/2023
Date Analyzed 03/22/2023
Date Reported 03/22/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 114

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	(%)
2353028-024 60	Counter Material, Black, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-025 100A	12" Speckled Floor Tile, Beige, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-026 100B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix	97%	Chrysotile	3%
Asbestos Present: Yes		Total % Non-Asbestos:		97.0%	Total %Asbestos:	3.0%
2353028-027 101A	12" Speckled Floor Tile, Beige, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-028 101B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix	97%	Chrysotile	3%
Asbestos Present: Yes		Total % Non-Asbestos:		97.0%	Total %Asbestos:	3.0%
2353028-029 102A	12" Speckled Floor Tile, Beige, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-030 102B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix	95%	Chrysotile	5%
Asbestos Present: Yes		Total % Non-Asbestos:		95.0%	Total %Asbestos:	5.0%



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353028

Date Received 03/17/2023
Date Analyzed 03/22/2023
Date Reported 03/22/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 114

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	(%)
2353028-031 103A	4" Covebase, Black, Homogeneous	LAYER 1 100%	Vinyl Binder/ Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-032 103B	Adhesive, Tan, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-033 104A	4" Covebase, Black, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	30% 70%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-034 104B	Adhesive, Cream/Dk. Brown, Non-homogeneous	LAYER 1 100%	Fibrous Talc Organic Binders/Filler	5% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-035 105A	4" Covebase, Black, Homogeneous	LAYER 1 100%	Vinyl Binder/ Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-036 105B	Adhesive, Tan, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353028

Date Received 03/17/2023
Date Analyzed 03/22/2023
Date Reported 03/22/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 114

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	(%)
2353028-037 106A	Drywall Panel, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Mica Gypsum/Filler	15% <1% 5% 80%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-038 106B	Adhesive, White, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-039 107A	Drywall Panel, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Mica Gypsum/Filler	10% <1% <1% 90%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-040 107B	Adhesive, White, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-041 108A	Drywall Panel, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	20% <1% 80%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-042 108B	Adhesive, White, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353028

Date Received 03/17/2023
Date Analyzed 03/22/2023
Date Reported 03/22/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 114

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	(%)
2353028-043 112A	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	15% <1% 85%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-044 112B	Joint Compound, White/Yellow, Non-homogeneous	LAYER 1 100%	Fibrous Glass Mica Calcium Carbonate Binder/Filler	5% 5% 80% 10%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-045 113A	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	15% <1% 85%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-046 113B	Joint Compound, White, Non-homogeneous	LAYER 1 100%	Mica Calcium Carbonate Binder/Filler	5% 85% 10%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-047 114A	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	20% <1% 80%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353028

Date Received 03/17/2023
Date Analyzed 03/22/2023
Date Reported 03/22/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 114

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	(%)
2353028-048 114B	Joint Compound, White, Non-homogeneous	LAYER 1 100%	Mica Calcium Carbonate Binder/Filler	5% 85% 10%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-049 115A	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	10% <1% 90%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-050 115B	Joint Compound, White, Non-homogeneous	LAYER 1 100%	Perlite Calcium Carbonate Gypsum/Binder/Filler	20% 50% 30%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-051 116A	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	10% <1% 90%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-052 116B	Joint Compound, White/Yellow, Non-homogeneous	LAYER 1 100%	Fibrous Glass Perlite Calcium Carbonate Gypsum/Binder/Filler	5% 20% 50% 25%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353028

Date Received 03/17/2023
Date Analyzed 03/22/2023
Date Reported 03/22/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 114

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	(%)
2353028-053 117A	4" Covebase, Brown (Dk. Gray), Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2353028-054 117B	Adhesive, Cream, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2353028-055 118A	4" Covebase, Brown (Dk. Gray), Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2353028-056 118B	Adhesive, Cream, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2353028-057 119A	4" Covebase, Brown (Dk. Gray), Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2353028-058 119B	Adhesive, Cream, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353028

Date Received 03/17/2023
Date Analyzed 03/22/2023
Date Reported 03/22/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 114

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	(%)
2353028-059 120A	12" Speckled Floor Tile, Green, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-060 120B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix	97%	Chrysotile	3%
Asbestos Present: Yes		Total % Non-Asbestos:		97.0%	Total %Asbestos:	3.0%
2353028-061 121A	12" Speckled Floor Tile, Green, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-062 121B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix	95%	Chrysotile	5%
Asbestos Present: Yes		Total % Non-Asbestos:		95.0%	Total %Asbestos:	5.0%
2353028-063 122A	12" Speckled Floor Tile, Green, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-064 122B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix	95%	Chrysotile	5%
Asbestos Present: Yes		Total % Non-Asbestos:		95.0%	Total %Asbestos:	5.0%



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353028

Date Received 03/17/2023
Date Analyzed 03/22/2023
Date Reported 03/22/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 114

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	(%)
2353028-065 123A	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	10% <1% 90%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-066 123B	Joint Compound, White, Non-homogeneous	LAYER 1 100%	Perlite Calcium Carbonate Binder/Filler	20% 65% 15%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-067 124A	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	10% <1% 90%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-068 124B	Joint Compound, White/Yellow, Non-homogeneous	LAYER 1 100%	Fibrous Glass Perlite Calcium Carbonate Binder/Filler	10% 20% 55% 15%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-069 125A	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	10% <1% 90%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353028

Date Received 03/17/2023
Date Analyzed 03/22/2023
Date Reported 03/22/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 114

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	(%)
2353028-070 125B	Joint Compound, White, Non-homogeneous	LAYER 1 100%	Perlite Calcium Carbonate Binder/Filler	10% 50% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-071 126A	Floor Sheeting, Beige/Gray, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Synthetic Fiber Vinyl Binder/ Filler	5% 10% 85%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-072 126B	Adhesive, Yellow, Homogeneous	LAYER 1 100%	Organic Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-073 127A	Floor Sheeting, Beige/Gray, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Synthetic Fiber Vinyl Binder/ Filler	5% 10% 85%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-074 127B	Adhesive, Yellow, Homogeneous	LAYER 1 100%	Organic Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-075 128A	Floor Sheeting, Beige/Gray, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Synthetic Fiber Vinyl Binder/ Filler	5% 10% 85%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353028

Date Received 03/17/2023
Date Analyzed 03/22/2023
Date Reported 03/22/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 114

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	(%)
2353028-076 128B	Adhesive, Yellow, Homogeneous	LAYER 1 100%	Organic Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-077 129A	4" Covebase, Lt. Brown, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-078 129B	Adhesive, Tan/White, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-079 130A	4" Covebase, Lt. Brown, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-080 130B	Adhesive, Tan/White, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-081 131A	4" Covebase, Lt. Brown, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353028

Date Received 03/17/2023

Date Sampled

Date Analyzed 03/22/2023

Sampled By Victor Sanchez

Date Reported 03/22/2023

Total Samples 114

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	(%)
2353028-082 131B	Adhesive, Tan/Dk. Brown, Non-homogeneous	LAYER 1 100%	Fibrous Talc Organic Binders/Filler	2% 98%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-083 132A	4" Covebase, Lt. Brown, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-084 132B	Adhesive, White, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-085 133A	4" Covebase, Lt. Brown, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-086 133B	Adhesive, White, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2353028-087 134A	4" Covebase, Lt. Brown, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353028

Date Received 03/17/2023
Date Analyzed 03/22/2023
Date Reported 03/22/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 114

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 (%)
2353028-088 134B	Adhesive, White, Homogeneous	LAYER 1 100%	Organic Binders/Filler 100%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2353028-089 200A	9" Floor Tile, White, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder 40% 52%	Chrysotile 8%
Asbestos Present: Yes		Total % Non-Asbestos: 92.0%		Total %Asbestos: 8.0%
2353028-090 200B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix 95%	Chrysotile 5%
Asbestos Present: Yes		Total % Non-Asbestos: 95.0%		Total %Asbestos: 5.0%
2353028-091 201A	9" Floor Tile, White, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder 40% 52%	Chrysotile 8%
Asbestos Present: Yes		Total % Non-Asbestos: 92.0%		Total %Asbestos: 8.0%
2353028-092 201B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix 90%	Chrysotile 10%
Asbestos Present: Yes		Total % Non-Asbestos: 90.0%		Total %Asbestos: 10.0%
2353028-093 202A	9" Floor Tile, White, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder 40% 52%	Chrysotile 8%
Asbestos Present: Yes		Total % Non-Asbestos: 92.0%		Total %Asbestos: 8.0%
2353028-094 202B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix 90%	Chrysotile 10%
Asbestos Present: Yes		Total % Non-Asbestos: 90.0%		Total %Asbestos: 10.0%



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353028

Date Received 03/17/2023
Date Analyzed 03/22/2023
Date Reported 03/22/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 114

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	(%)
2353028-095 203A	9" Floor Tile, White, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 52%	Chrysotile	8%
Asbestos Present: Yes		Total % Non-Asbestos:		92.0%	Total %Asbestos:	8.0%
2353028-096 203B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix	90%	Chrysotile	10%
Asbestos Present: Yes		Total % Non-Asbestos:		90.0%	Total %Asbestos:	10.0%
2353028-097 206A	9" Floor Tile, White, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 52%	Chrysotile	8%
Asbestos Present: Yes		Total % Non-Asbestos:		92.0%	Total %Asbestos:	8.0%
2353028-098 206B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix	90%	Chrysotile	10%
Asbestos Present: Yes		Total % Non-Asbestos:		90.0%	Total %Asbestos:	10.0%
2353028-099 207A	9" Floor Tile, White, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 52%	Chrysotile	8%
Asbestos Present: Yes		Total % Non-Asbestos:		92.0%	Total %Asbestos:	8.0%
2353028-100 207B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix	90%	Chrysotile	10%
Asbestos Present: Yes		Total % Non-Asbestos:		90.0%	Total %Asbestos:	10.0%
2353028-101 209A	9" Floor Tile, Lt. Green, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 52%	Chrysotile	8%
Asbestos Present: Yes		Total % Non-Asbestos:		92.0%	Total %Asbestos:	8.0%



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353028

Date Received 03/17/2023
Date Analyzed 03/22/2023
Date Reported 03/22/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 114

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	(%)
2353028-102 209B	9" Floor Tile, Lt. Green, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 52%	Chrysotile	8%
Asbestos Present: Yes		Total % Non-Asbestos:		92.0%	Total %Asbestos:	8.0%
2353028-103 210A	9" Floor Tile, Lt. Green, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 52%	Chrysotile	8%
Asbestos Present: Yes		Total % Non-Asbestos:		92.0%	Total %Asbestos:	8.0%
2353028-104 210B	9" Floor Tile, Lt. Green, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 52%	Chrysotile	8%
Asbestos Present: Yes		Total % Non-Asbestos:		92.0%	Total %Asbestos:	8.0%
2353028-105 211A	9" Floor Tile, Lt. Green, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 52%	Chrysotile	8%
Asbestos Present: Yes		Total % Non-Asbestos:		92.0%	Total %Asbestos:	8.0%
2353028-106 211B	9" Floor Tile, Lt. Green, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 52%	Chrysotile	8%
Asbestos Present: Yes		Total % Non-Asbestos:		92.0%	Total %Asbestos:	8.0%
2353028-107 212A	9" Floor Tile, Lt. Green, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 52%	Chrysotile	8%
Asbestos Present: Yes		Total % Non-Asbestos:		92.0%	Total %Asbestos:	8.0%
2353028-108 212B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix	90%	Chrysotile	10%
Asbestos Present: Yes		Total % Non-Asbestos:		90.0%	Total %Asbestos:	10.0%



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353028

Date Received 03/17/2023
Date Analyzed 03/22/2023
Date Reported 03/22/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 114

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	(%)
2353028-109 213A	9" Floor Tile, Lt. Green, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 52%	Chrysotile	8%
Asbestos Present: Yes		Total % Non-Asbestos:		92.0%	Total %Asbestos:	8.0%
2353028-110 213B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix	90%	Chrysotile	10%
Asbestos Present: Yes		Total % Non-Asbestos:		90.0%	Total %Asbestos:	10.0%
2353028-111 215A	9" Floor Tile, Lt. Green, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 52%	Chrysotile	8%
Asbestos Present: Yes		Total % Non-Asbestos:		92.0%	Total %Asbestos:	8.0%
2353028-112 215B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix	90%	Chrysotile	10%
Asbestos Present: Yes		Total % Non-Asbestos:		90.0%	Total %Asbestos:	10.0%
2353028-113 216A	9" Floor Tile, Lt. Green, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 52%	Chrysotile	8%
Asbestos Present: Yes		Total % Non-Asbestos:		92.0%	Total %Asbestos:	8.0%
2353028-114 216B	Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix	90%	Chrysotile	10%
Asbestos Present: Yes		Total % Non-Asbestos:		90.0%	Total %Asbestos:	10.0%



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2353028

Date Received 03/17/2023
Date Analyzed 03/22/2023
Date Reported 03/22/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 114

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 Tabatt
 Analyst - Cristina Tabatt

Cristina Tabatt
 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. 2353028

CUSTOMER INFORMATION		Turnaround Time	Shipped By	Report Send Via:
Company	NV5	Same Day <input type="checkbox"/>	Fedex <input type="checkbox"/>	Web <input type="checkbox"/>
Address	3777 Long Beach Boulevard	1 Day <input type="checkbox"/>	UPS <input type="checkbox"/>	Email <input checked="" type="checkbox"/>
City/State/Zip	Long Beach, CA 90807	2 Day <input type="checkbox"/>	USPS <input type="checkbox"/>	Fax <input type="checkbox"/>
Contact	<u>Eric Fleming</u>	3 Day <input checked="" type="checkbox"/>	Drop Off <input checked="" type="checkbox"/>	Verbal <input type="checkbox"/>
Office Phone	562/ 495-5777	5 Day <input type="checkbox"/>	Drop Box <input type="checkbox"/>	Mail <input type="checkbox"/>
Cell	<u>(310)</u>	Weekend <input type="checkbox"/>	Other <input type="checkbox"/>	Pick up <input type="checkbox"/>
Fax	562/ 495-5877	Special Instructions: <u>drywall composite samples</u> <u>inspected weekly 11) 1 week</u>		
Email	<u>Eric.fleming@nvs.com</u>			

PROJECT INFORMATION	
Project Name: <u>RSCC</u>	PO Number: _____
Project Number: <u>RSCC-23-11447</u>	Work Order No.: _____
Location: <u>Russell Hall Bldg</u>	Sampled By: <u>Victor Sanchez</u>

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date	Start Time	Avg	Volume
			Sampled	Stop Time	Flow Rate	(L)
94	DRYWALL composite			-----		
95	J			-----		
96				-----		

Relinquished By: <u>[Signature]</u>	Received By: <u>[Signature]</u>
Date/Time: <u>3-17-2023</u>	Date/Time: <u>3/17/23 08:00</u>

Company:	<u>RUS</u>
Project Number:	<u>RSCC-23-1147</u>
Project Name:	<u>Russell Hall Bldg</u>

(Lab) Order No.	<u>2353028</u>
-----------------	----------------

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time	Avg	Volume (L)	
				Stop Time	Flow Rate		
13	Smooth plaster						
14	↓						
15							
16							
17							
18							
19							
20							
21							
22		Rough plaster					
23		↓					
24							
28							
29							
30							
58	Black counter material						
59	↓						
60							

Relinquished By: <u>Vron Sunder</u>	Received By: <u>Jackie Taylor</u>
Date/Time: <u>3/17/2023</u>	Date/Time: <u>3/17/23 08:00</u>
Relinquished By:	Received By:
Date/Time:	Date/Time:

Company:	<u>NVS</u>
Project Number:	<u>RSLL-23-1140</u>
Project Name:	<u>Russell Hall Bldg</u>

(Lab) Order No.	<u>2353028</u>
-----------------	----------------

SAMPLE ID	SAMPLE TYPE	LOCATION	Date	Start Time	Avg	Volume
			Sampled	Stop Time	Flow Rate	(L)
100	12" beige speckled flx tile & mortar					
101						
102						
103	4" black concrete and adhesive					
104						
105						
106	Drywall panel with adhesive					
107						
108						
112	Drywall composite					
113						
114						
115						
116						
117	4" Brown concrete and adhesive					
118						
119						
120	12" green speckled flx tile & mortar					
121						
122						

Relinquished By: <u>Vron Sunde</u>	Received By: <u>Jackie Taylor</u>
Date/Time: <u>3/12/2023</u>	Date/Time: <u>3/17/23 08:00</u>
Relinquished By:	Received By:
Date/Time:	Date/Time:

Company:	<u>NVS</u>
Project Number:	<u>RSLL-23-1144</u>
Project Name:	<u>Russell Hall Bldg</u>

services@AQenvlabs.com
(Lab) Order No. <u>2353028</u>

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
123	<u>drywall composite</u>					
124						
125						
126	<u>Berge with gray blue dots floor spreading</u>					
127						
128						
129	<u>4" light brown concrete and adhesive</u>					
130						
131						
132	<u>4" light brown concrete and adhesive (brown)</u>					
133						
134						
200	<u>9" white floor tile and mortar</u>					
201						
202						
203						
206						
207						

Relinquished By: <u>Vigora Sanchez</u>	Received By: <u>Jackie TAYAG</u>
Date/Time: <u>3/17/2023</u>	Date/Time: <u>3/17/23 08:00</u>
Relinquished By:	Received By:
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 Blvd.
Long Beach CA 90807
Attn.: Eric Fleming

Project Number RSCC-23-11447
Project Name Rancho Santiago C.C.
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2352997

Date Received 03/15/2023
Date Analyzed 03/16/2023
Date Reported 03/16/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 93

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	(%)
2352997-001 01	Carpet Adhesive w/ Mastic, Black/ Tan, Non-homogeneous	LAYER 1 100%	Bituminous Matrix Adhesive Binders	70% 26%	Chrysotile	4%
Asbestos Present: Yes		Total % Non-Asbestos:		96.0%	Total %Asbestos:	4.0%
2352997-002 02	Carpet Adhesive w/ Mastic, Black/ Tan, Non-homogeneous	LAYER 1 100%	Bituminous Matrix Adhesive Binders	10% 90%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-003 03	Carpet Adhesive w/ Mastic, Black/ Tan, Non-homogeneous	LAYER 1 100%	Bituminous Matrix Adhesive Binders	40% 58%	Chrysotile	2%
Asbestos Present: Yes		Total % Non-Asbestos:		98.0%	Total %Asbestos:	2.0%
2352997-004 04A	4" Cove Base, Dk. Gray, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-005 04B	Adhesive, White, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-006 05A	4" Cove Base, Dk. Gray, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name Rancho Santiago C.C.
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2352997

Date Received 03/15/2023
Date Analyzed 03/16/2023
Date Reported 03/16/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 93

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	(%)
2352997-007 05B	Adhesive, Cream, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-008 06A	4" Cove Base, Dk. Gray, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-009 06B	Adhesive, Cream/Brown, Non-homogeneous	LAYER 1 100%	Fibrous Talc Organic Binders/Filler	<1% 100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-010 07	2x4 Smooth Ceiling Panel, White/Yellow, Non-homogeneous	LAYER 1 100%	Fibrous Glass Binder/Filler	95% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-011 08	2x4 Smooth Ceiling Panel, White/Yellow, Non-homogeneous	LAYER 1 100%	Fibrous Glass Binder/Filler	95% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-012 09	2x4 Smooth Ceiling Panel, White/Yellow, Non-homogeneous	LAYER 1 100%	Fibrous Glass Binder/Filler	95% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name Rancho Santiago C.C.
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2352997

Date Received 03/15/2023
Date Analyzed 03/16/2023
Date Reported 03/16/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 93

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	(%)
2352997-013 10	2x4 Fissured Ceiling Panel, White/ Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Perlite Binder/Filler	45% 15% 35% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-014 11	2x4 Fissured Ceiling Panel, White/ Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Perlite Binder/Filler	45% 15% 35% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-015 12	2x4 Fissured Ceiling Panel, White/ Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Perlite Binder/Filler	45% 15% 35% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-016 31A	Drywall Wall Panel, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	10% <1% 90%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-017 31B	Adhesive, Burgundy, Non- homogeneous Note: Sample appears to be paint	LAYER 1 100%	Binder/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name Rancho Santiago C.C.
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2352997

Date Received 03/15/2023
Date Analyzed 03/16/2023
Date Reported 03/16/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 93

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	(%)
2352997-018 32A	Drywall Panel, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	15% <1% 85%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-019 32B	Adhesive, Burgundy, Non-homogeneous Note: Sample appears to be paint	LAYER 1 100%	Binder/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-020 33A	Drywall Wall Panel, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	10% <1% 90%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-021 33B	Adhesive, Gray, Non-homogeneous Note: Sample appears to be paint	LAYER 1 100%	Binder/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-022 34	Plywood Wall Panel Adhesive, Brown, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-023 35	Plywood Wall Panel Adhesive, Brown, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name Rancho Santiago C.C.
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2352997

Date Received 03/15/2023
Date Analyzed 03/16/2023
Date Reported 03/16/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 93

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	(%)
2352997-024 36	Plywood Wall Panel Adhesive, Brown, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-025 37A	Fiber Panel Wall, Brown, Homogeneous	LAYER 1 100%	Wood Fiber	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-026 37B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-027 38A	Fiber Panel Wall, Brown, Homogeneous	LAYER 1 100%	Wood Fiber	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-028 38B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-029 39A	Fiber Panel Wall, Brown, Homogeneous	LAYER 1 100%	Wood Fiber	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-030 39B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name Rancho Santiago C.C.
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2352997

Date Received 03/15/2023
Date Analyzed 03/16/2023
Date Reported 03/16/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 93

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	(%)
2352997-031 40	Cork Wall Panel Adhesive, Dk. Brown, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2352997-032 41	Cork Wall Panel Adhesive, Dk. Brown, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2352997-033 42	Cork Wall Panel Adhesive, Dk. Brown, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2352997-034 43A	4" Covebase, Lt. Gray, Non- homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	30% 70%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2352997-035 43B	Adhesive, Dk. Brown, Non- homogeneous	LAYER 1 100%	Fibrous Talc Organic Binders	5% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2352997-036 44A	4" Covebase, Lt. Gray, Non- homogeneous	LAYER 1 100%	Vinyl Binder/ Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	



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

Project Number RSCC-23-11447
Project Name Rancho Santiago C.C.
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2352997

Date Received 03/15/2023
Date Analyzed 03/16/2023
Date Reported 03/16/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 93

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	(%)
2352997-037 44B	Adhesive, Dk. Brown, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-038 45A	4" Covebase, Lt. Gray, Non-homogeneous	LAYER 1 100%	Vinyl Binder/ Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-039 45B	Adhesive, Dk. Brown, Homogeneous	LAYER 1 100%	Fibrous Talc Organic Binders	5% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-040 49	Counter Material (Laminate), Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Binder/Filler	80% 20%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-041 50	Counter Material (Laminate), Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Binder/Filler	80% 20%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-042 51	Counter Material (Laminate), Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Binder/Filler	80% 20%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-043 55	Sink Material, Black, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name Rancho Santiago C.C.
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2352997

Date Received 03/15/2023
Date Analyzed 03/16/2023
Date Reported 03/16/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 93

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 (%)
2352997-044 56	Sink Material, Black, Homogeneous	LAYER 1 100%	Non-Fibrous Material 100%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2352997-045 57	Sink Material, Black, Homogeneous	LAYER 1 100%	Non-Fibrous Material 100%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2352997-046 61A	4" Cove Base, Tan, Homogeneous	LAYER 1 100%	Vinyl Binder/ Filler 100%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2352997-047 61B	Adhesive, Dk. Brown, Homogeneous	LAYER 1 100%	Fibrous Glass Organic Binders 5% 95%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2352997-048 62A	4" Cove Base, Tan, Homogeneous	LAYER 1 100%	Vinyl Binder/ Filler 100%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2352997-049 62B	Adhesive, Dk. Brown, Homogeneous	LAYER 1 100%	Fibrous Talc Organic Binders 5% 95%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name Rancho Santiago C.C.
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2352997

Date Received 03/15/2023
Date Analyzed 03/16/2023
Date Reported 03/16/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 93

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 (%)
2352997-050 63A	4" Cove Base, Tan, Homogeneous	LAYER 1 100%	Vinyl Binder/ Filler 100%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2352997-051 63B	Adhesive, Dk. Brown, Homogeneous	LAYER 1 100%	Fibrous Talc Organic Binders 5% 95%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2352997-052 64A	Cloth, Black, Homogeneous	LAYER 1 100%	Synthetic Fiber 100%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2352997-053 64B	Mesh, Brown, Homogeneous	LAYER 1 100%	Jute Fiber 100%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2352997-054 65A	Cloth, Black, Homogeneous	LAYER 1 100%	Synthetic Fiber 100%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2352997-055 65B	Mesh, Brown, Homogeneous	LAYER 1 100%	Jute Fiber 100%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
2352997-056 66A	Cloth, Black, Homogeneous	LAYER 1 100%	Synthetic Fiber 100%	None Detected
Asbestos Present: No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name Rancho Santiago C.C.
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2352997

Date Received 03/15/2023
Date Analyzed 03/16/2023
Date Reported 03/16/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 93

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	(%)
2352997-057 66B	Mesh, Brown, Homogeneous	LAYER 1 100%	Jute Fiber	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2352997-058 67A	Bulletin Board (Fiberboard), White/Brown, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Cork material Binder/Filler	5% 85% 10%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2352997-059 67B	Adhesive, Dk. Brown, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2352997-060 68A	Bulletin Board (Fiberboard), White/Brown, Non-homogeneous	LAYER 1 100%	Cork material Binder/Filler	90% 10%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2352997-061 68B	Adhesive, Dk. Brown, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2352997-062 69A	Bulletin Board (Fiberboard), White/Brown, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Cork material Binder/Filler	5% 85% 10%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	



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

Project Number RSCC-23-11447
Project Name Rancho Santiago C.C.
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2352997

Date Received 03/15/2023
Date Analyzed 03/16/2023
Date Reported 03/16/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 93

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	(%)
2352997-063 69B	Adhesive, Dk. Brown, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-064 70	Self Adhesive Carpet, Gray/Colorless, Non-homogeneous	LAYER 1 100%	Organic Binders Foam material	10% 90%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-065 71	Self Adhesive Carpet, Gray/Colorless, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Organic Binders Foam material	<1% 10% 90%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-066 72	Self Adhesive Carpet, Yellow/Green/Gray, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Organic Binders/Filler Foam Material	<1% 40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-067 73A	4" Cove Base, Dk. Brown, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-068 73B	Adhesive, Dk. Brown, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name Rancho Santiago C.C.
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2352997

Date Received 03/15/2023
Date Analyzed 03/16/2023
Date Reported 03/16/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 93

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	(%)
2352997-069 74A	4" Cove Base, Dk. Brown, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-070 74B	Adhesive, Dk. Brown, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-071 75A	4" Cove Base, Note: No covebase present	LAYER 1 100%				
2352997-072 75B	Adhesive, Dk. Brown/White, Non- homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-073 76	Drywall (no Joint Compound), Lt. Pink/Brown/Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Gypsum/Filler	15% 85%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-074 77	Drywall (no Joint Compound), Lt. Pink/Brown/Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Gypsum/Filler	15% 85%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-075 78	Drywall (no Joint Compound), Lt. Pink/Brown/Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Gypsum/Filler	10% 90%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name Rancho Santiago C.C.
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2352997

Date Received 03/15/2023
Date Analyzed 03/16/2023
Date Reported 03/16/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 93

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	(%)
2352997-076 79A	4" Cove Base, Black, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-077 79B	Adhesive, Dk. Brown, Homogeneous	LAYER 1 100%	Organic Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-078 80A	4" Cove Base, Black, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-079 80B	Adhesive, Dk. Brown/Cream, Non-homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-080 81A	4" Cove Base, Black, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-081 81B	Adhesive, Dk. Brown/Cream, Non-homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name Rancho Santiago C.C.
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2352997

Date Received 03/15/2023
Date Analyzed 03/16/2023
Date Reported 03/16/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 93

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	(%)
2352997-082 82A	Wallpaper, White, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Binder/Filler	25% 75%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-083 82B	Adhesive, Cream, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-084 83A	Wallpaper, White, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Binder/Filler	25% 75%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-085 83B	Adhesive, Tan, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-086 84A	Wallpaper, White, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Binder/Filler	25% 75%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-087 84B	Adhesive, Tan, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name Rancho Santiago C.C.
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2352997

Date Received 03/15/2023
Date Analyzed 03/16/2023
Date Reported 03/16/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 93

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	(%)
2352997-088 91A	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Mica Gypsum/Binder/Filler	10% <1% 5% 85%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-089 91B	Joint Compound, Mauve/Beige, Non-homogeneous	LAYER 1 100%	Gypsum/Binder/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-090 92A	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Gypsum/Filler	15% 85%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-091 92B	Joint Compound, Beige/White, Non-homogeneous	LAYER 1 100%	Gypsum/Binder/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-092 93A	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Mica Gypsum/Binder/Filler	5% 5% 90%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2352997-093 93B	Joint Compound, White/ Beige, Non-homogeneous	LAYER 1 100%	Gypsum/Binder/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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

Project Number RSCC-23-11447
Project Name Rancho Santiago C.C.
Location Russell Hall Bldg
PO Number
WO Number

Report Number 2352997

Date Received 03/15/2023
Date Analyzed 03/16/2023
Date Reported 03/16/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 93

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 Tabatt

Analyst - Cristina Tabatt

Cristina Tabatt

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. 2352997

CUSTOMER INFORMATION		Turnaround Time	Shipped By	Report Send Via:
Company	Alta Environmental/NV5	Same Day <input type="checkbox"/>	Fedex <input type="checkbox"/>	Web <input type="checkbox"/>
Address	3777 Long Beach Blvd., Annex Bldg.	1 Day <input type="checkbox"/>	UPS <input type="checkbox"/>	Email <input checked="" type="checkbox"/>
City/State/Zip	Long Beach, Ca 90807	2 Day <input type="checkbox"/>	USPS <input type="checkbox"/>	Fax <input type="checkbox"/>
Contact	<i>Eric Fleming</i>	3 Day <input checked="" type="checkbox"/>	Drop Off <input checked="" type="checkbox"/>	Verbal <input type="checkbox"/>
Office Phone	562-495-5777	5 Day <input type="checkbox"/>	Drop Box <input type="checkbox"/>	Mail <input type="checkbox"/>
Cell	<i>(310) 951-7486</i>	Weekend <input type="checkbox"/>	Other <input type="checkbox"/>	Pick up <input type="checkbox"/>
Fax	562-495-5877	Special Instructions: <i>drywell composite samples layered analysis J hands</i>		
Email	eric.fleming@NV5.com			

PROJECT INFORMATION	
Project Name:	<i>Rancho San Jorge, C.C.</i>
Project Number:	<i>RSJC-23-11447</i>
Location:	<i>Russell Hall Bldg.</i>
PO Number:	
Work Order No.:	
Sampled By:	<i>Victor Sanchez</i>

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date	Start Time	Avg	Volume
			Sampled	Stop Time	Flow Rate	(L)
01	<i>Carpet adhesive w/ black MASTIC</i>					
02						
03						
04	<i>4" pink gray core box and adhesive</i>					
05						
06						
07	<i>2x4 smooth ceiling panel</i>					
08						
09						

Relinquished By: <i>Victor Sanchez</i>	Received By: <i>Jackie Taylor</i>
Date/Time: <i>3-15-2023 1500</i>	Date/Time: <i>3/15/23 15:00</i>
Relinquished By:	Received By:
Date/Time:	Date/Time:

CHAIN OF CUSTODY

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



Company:	NV5
Project Number:	RSCC-23-11447
Project Name:	Russell Hall Bldg

Analysis: *PLM*

TAT: *3 day*

(Lab) Order No. *2352997*

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time	Avg	Volume (L)
				Stop Time	Flow Rate	
10	<i>2x4 fissured ceiling panel</i>			-----		
11		↓		-----		
12		↓		-----		
31	<i>drywall wall panel w/ adhesive</i>			-----		
32		↓		-----		
33		↓		-----		
34	<i>plywood wall panel adhesive</i>			-----		
35		↓		-----		
36		↓		-----		
37	<i>fiber panel wall w/ adhesive</i>			-----		
38		↓		-----		
39		↓		-----		
40	<i>coke wall panel adhesive</i>			-----		
41		↓		-----		
42		↓		-----		
43	<i>4" light gray core base and adhesive</i>			-----		
44		↓		-----		
45		↓		-----		

Relinquished By: <i>Vincent Sandoz</i>	Received By: <i>Jackie TAYAG</i>
Date/Time: <i>3/15/23 1500</i>	Date/Time: <i>2/15/23 15:00</i>

CHAIN OF CUSTODY

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



Company: NV5
 Project Number: RSCL-23-11447
 Project Name: Russell Hall Bldg

Analysis: PLM
 TAT: 3 day
 (Lab) Order No. 2352997

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
49	Black counter material (laminated)					
50		↓				
51		↓				
55	Black sink material					
56		↓				
57		↓				
61	4" tan couch base and adhesive					
62		↓				
63		↓				
64	Black cloth and brown mesh.					
65		↓				
66		↓				
67	Bulletin board (fiberboard) and adhesive					
68		↓				
69		↓				
70	self adhesive carpet					
71		↓				
72		↓				

Relinquished By: <u>Victor Sanchez</u>	Received By: <u>Jackie TX499</u>
Date/Time: <u>3/15/2023 1500</u>	Date/Time: <u>3/15/23 15:00</u>

CHAIN OF CUSTODY

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



Company:	NV5
Project Number:	RSCL-23-1144
Project Name:	Russell Hall Bldg.

Analysis: *PLM*

TAT: *3 day*

(Lab) Order No. *2352997*

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
73	4" dark brown couchbase and adhesive			-----		
74				-----		
75				-----		
76	drywall	(no joint compound)		-----		
77				-----		
78				-----		
79	4" black couchbase and adhesive			-----		
80				-----		
81				-----		
82	wall paper and adhesive			-----		
83				-----		
84				-----		
91	Drywall composite			-----		
92				-----		
93				-----		

Relinquished By: <i>Victor Sanchez</i>	Received By: <i>Jackie Taylor</i>
Date/Time: <i>3-15-2023</i>	Date/Time: <i>3/15/23 15:00</i>



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number PLM Ref. #2353088
WO Number

Report Number 2353189

Date Received 03/28/2023
Date Analyzed 03/29/2023
Date Reported 03/29/2023

Date Sampled
Sampled By Victor Sanchez
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	(%)
2353189-001 365B	Sand Plaster- Base Coat, Gray, Non-homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	33.98% 4.31% 61.53%	Chrysotile	0.18%
1000 pt. POINT COUNT						
Asbestos Present: Yes		Total % Non-Asbestos:		99.82%	Total %Asbestos:	0.18%
2353189-002 366B	Sand Plaster- Base Coat, Gray, Non-homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	32.27% 4.81% 62.61%	Chrysotile	0.31%
1000 pt. POINT COUNT						
Asbestos Present: Yes		Total % Non-Asbestos:		99.69%	Total %Asbestos:	0.31%
2353189-003 367B	Sand Plaster- Base Coat, Gray, Non-homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	32.80% 4.15% 62.87%	Chrysotile	0.18%
1000 pt. POINT COUNT						
Asbestos Present: Yes		Total % Non-Asbestos:		99.82%	Total %Asbestos:	0.18%

Note: EPA 400 point count extended to 1000 points to meet the Cal OSHA regulatory limit of 0.10%.

Method Detection Limit: One tenth of one percent (0.10%). Asbestos content has been determined using the point count method. 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 Tabatt

Analyst - Cristina Tabatt

Cristina Tabatt

Approved Signatory Cristina E. Tabatt



NVLAP Lab Code 500044-0



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number PLM Ref. #2353062
WO Number

Report Number 2353188

Date Received 03/28/2023
Date Analyzed 03/29/2023
Date Reported 03/29/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 13

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	(%)
2353188-001 229B	Stucco- Base Coat, Cream, Homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	46.96% 7.15% 45.89%	Chrysotile	<0.10%
1000 pt. POINT COUNT						
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<0.10%
2353188-002 231B	Stucco- Base Coat, Cream, Homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	50.95% 6.95% 42.10%	Chrysotile	<0.10%
1000 pt. POINT COUNT						
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<0.10%
2353188-003 232B	Stucco- Base Coat, Cream, Homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	34.48% 5.01% 60.51%	Chrysotile	<0.10%
1000 pt. POINT COUNT						
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<0.10%
2353188-004 233B	Stucco- Base Coat, Cream, Homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	35.48% 5.24% 59.28%	Chrysotile	<0.10%
1000 pt. POINT COUNT						
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<0.10%
2353188-005 234B	Stucco- Base Coat, Gray, Homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	32.93% 5.10% 61.97%	Chrysotile	<0.10%
1000 pt. POINT COUNT						
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<0.10%



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number PLM Ref. #2353062
WO Number

Report Number 2353188

Date Received 03/28/2023
Date Analyzed 03/29/2023
Date Reported 03/29/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 13

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	(%)
2353188-006 235A	Stucco- Finish Coat, Beige/Cream, Non-homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	75.03% 12.21% 12.76%	Chrysotile	<0.10%
1000 pt. POINT COUNT						
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<0.10%
2353188-007 235B	Stucco- Base Coat, Gray, Homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	37.77% 5.06% 57.17%	Chrysotile	<0.10%
1000 pt. POINT COUNT						
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<0.10%
2353188-008 260B	Stucco- Base Coat, Grey, Non- homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	55.84% 5.88% 38.28%	Chrysotile	<0.10%
1000 pt. POINT COUNT						
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<0.10%
2353188-009 261B	Stucco- Base Coat, Grey, Non- homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	37.09% 5.08% 57.83%	Chrysotile	<0.10%
1000 pt. POINT COUNT						
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<0.10%
2353188-010 262B	Stucco- Base Coat, Grey, Non- homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	59.74% 5.91% 34.35%	Chrysotile	<0.10%
1000 pt. POINT COUNT						
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<0.10%



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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number PLM Ref. #2353062
WO Number

Report Number 2353188

Date Received 03/28/2023
Date Analyzed 03/29/2023
Date Reported 03/29/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 13

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	(%)
2353188-011 263B	Sand Plaster- Base Coat, Gray, Homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	43.42% 5.73% 50.85%	Chrysotile	<0.10%
1000 pt. POINT COUNT						
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<0.10%
2353188-012 264B	Sand Plaster- Base Coat, Gray, Homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	34.08% 5.19% 60.73%	Chrysotile	<0.10%
1000 pt. POINT COUNT						
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<0.10%
2353188-013 265B	Sand Plaster- Base Coat, Gray, Homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	38.15% 4.95% 56.90%	Chrysotile	<0.10%
1000 pt. POINT COUNT						
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<0.10%

Note: EPA 400 point count extended to 1000 points to meet the Cal OSHA regulatory limit of 0.10%.

Method Detection Limit: One tenth of one percent (0.10%). Asbestos content has been determined using the point count method. 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 Chappellear

Approved Signatory Cristina E. Tabatt





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

Project Number RSCC-23-11447
Project Name RSCC
Location Russell Hall Bldg
PO Number PLM Ref. #2353028
WO Number

Report Number 2353089

Date Received 03/22/2023
Date Analyzed 03/27/2023
Date Reported 03/27/2023

Date Sampled
Sampled By Victor Sanchez
Total Samples 2

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	(%)
2353089-001 20	Smooth Plaster- Base Coat, Beige, Non-homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	76.63% 13.10% 10.27%	Chrysotile	<0.10%
1000 pt. POINT COUNT						
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<0.10%
2353089-002 28	Smooth Plaster- Base Coat, Gray, Non-homogeneous	LAYER 1 100%	Acid Soluble Material Organic/Volatile Material Non-Asbestos Residue	68.15% 8.18% 23.67%	Chrysotile	<0.10%
1000 pt. POINT COUNT						
Asbestos Present: Yes		Total % Non-Asbestos:		100.0%	Total %Asbestos:	<0.10%

Note: EPA 400 point count extended to 1000 points to meet the Cal OSHA regulatory limit of 0.10%.

Method Detection Limit: One tenth of one percent (0.10%). Asbestos content has been determined using the point count method. 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 Tabatt
Analyst - Cristina Tabatt

Cristina Tabatt
Approved Signatory Cristina E. Tabatt



NV5
FIELD BULK SAMPLE LIST

CLIENT: RSLL
PROJECT NO.: R5LL-23-11447
PROJECT NAME: Russell Hull Bldg

Oscar Garcia
Technician: Victor Sanchez
Date: 3-13-2025 - 5-18-23
Page: 1 of 37

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
+	Compacted adhesive w/ black matrix	01	R103-1 N/W	R103-1, R103-2, R105-3, R1051A	4000		
		02	105-03 N/W	R105-2, R107-1, R107-2, R107-3	5F	N	N
		03	R103-2 ctn	R117, R119, R101, R213, R213-1, R119, R101			
-	4" Dark gray concrete and adhesive	04	105-3 N/W	R105-3, R120, R118, R118B	250 L.F	N	N
		05	R124 c/w	R124			
		06	R118 c/w				
-	2x4 smooth ceiling panel	07	R103-1 ctn	R103-1, R103-2, R203-A, 105-3, R1051A	39000	N	N
		08	R302 N/W	R118, R120, R128, R112, R112-4, R115	5F		
		09	R248 N/E	R117, R119, R101, R124, R126, R112, R101			
				R222, R220, R218, R218-1, R2181A, R200, R224, R226-2A, R226, R218-3, R218-4			
				R218-6, R204, R206, R205, R211, R215, R214			
				R202, R202-1, R202-2, R202-1E, R228			
				R201-R201-1, R219, R219A, R219-1B			
	3x4 ft n						
	R302, R302, R324, R316, R318, R318-2						
	R302, R304, R302-1E	R302-1, R301, R300					
	R380-4, R328						

NOTE: 9" floor tile = observed beneath counters, closets cabinets

NV5
FIELD BULK SAMPLE LIST

CLIENT: RSCC
PROJECT NO.: RSCC-23-1144
PROJECT NAME: R Bldg.

Technician: V-Sanchez
Date: 3-13-2024
Page: 2 of 37

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
	9x9 VFT white asphalt and MASTIC smoothing		Sampled previously	R105A, R107, R107-1, R111, R114, R120 R118, R118B, R128 R224, R226, R227, R228, R204, R204 R205, R211, R324 R306-1, R3202, R326-3, R326 ABCE R318, R318-2			
	smooth pink	13	R103-W/CTR	R103-1, R105-2, 105-3, 105-2, R1051A R107A1, R1072, R1073, R1074 , R111	75,000 SF	N	N
		14	Rm 111 N/E by entrance	R113, R116, R114, R118, R120, R128			
		15	R112-4 SO. CTR	R112-4 1ST floor construction R-100 corridor R-115, R117, R119, R201, R109, R114, R126 R128, R220rooms			
		16	R-226 E/CTR	R-200 (unknown) R224, R226-2N, R226 R227, R-220 R228, R218-1, R2181A			
		17	R218 by E18-7 R218-7 N	R218-3, R218-4, R218-6, R218-5, R204, R200 R205, R211, R215, R217, R202, R202-2			
		18	R 217 N/E	R202-1, R228, R2081E, R219, R219-1R R201-1, R201-1A, R201, R213, R213-1			
		19	R 302- S/E	R209, R202, R203, R203A R220rooms			
		20	R309 N/W c. column	R520, R324, R322, R316, R318, R318-2 R314-2, R304, R302-1E, R362-1, R302-3			
		21	R301- N/W	R-301, R309-1, R303, R305-1, R301, R328-1 R328, R328-2, R318-1, R-11's, R300 (unknown)			

NOTE: where long walls are located. 9" files observed beneath walls

NV5
FIELD BULK SAMPLE LIST

CLIENT: RSCL
PROJECT NO.: RSCL-23-1144
PROJECT NAME: Russell Hull Bldg

Technician: V-Sanchez
Date: 3-13-2023
Page: 4 of 23

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
19	Rough plaster	22	Rm 103A	Rms R103A, R109, R109-1, R122	10,560		
		23	Rm R109 w/CTR	R122-1, R118B, R128, R112, R112-1	5.5F	N	N
		24	R118B w/CTR	R108, mechanical (pressure)			
		25	R212 NO. CTR	R212, R214			
		26	R214 S/E	R326 w/1/2 and ceiling R326-3 R314-1 (vent) R310			
		27	R214 N/W				
		28	R314-1 w/CTR				
		29	R326-2 S/W				
		30	R310 S/E				
		-	Dividing wall with panel of glass	31	Rm 107-02 SO. CTR	Dividing walls: Rms R105-2 and R105-04, Rms R107-1, R107-3 and R107-3	950 SF
32	Rm 107-3 S/E						
33	Rm R105-2 SO. CTR						

**NV5
FIELD BULK SAMPLE LIST**

CLIENT: RSLL
 PROJECT NO.: RSLL-23-11447
 PROJECT NAME: Russell Hall Bldg

Technician: Victoria Sanchez
 Date: 3-13-2023
 Page: 5 of 22

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
-	fiberglass wall panel adhesive	34	Rm R105-2 N/E	Rm105-2, R103-1 north wall	280 SF	N	N
		35	Rm R105-2 20. CTN				
		36	Rm R103-1 20. CTN				
-	fiberglass wall panel adhesive	37	Rm105-3 20. CTN TOP	ROOM 105-3 north wall	200 SF	N	N
		38	north side				
		39	bottom				
		40	N/E side				
-	concrete wall panel with adhesive	41	ROOM R103-1 west wall	ROOM R103-1 WEST wall	1900 SF	N	N
		42	Rm R111 N/E	Rm111 all walls			
		43	Rm R111 S/W				
-	4 in light grey concrete adhesive	44	Rm R103 A 20. CTN	Rm R103 A, R200 (corridor)	3 150 LF	N	N
		45	R200 by 2nd entrance				
		46	R200 3rd entrance				

NV5
FIELD BULK SAMPLE LIST

CLIENT: RSLL
PROJECT NO.: R26C-23-11447
PROJECT NAME: Russell Hall Bldg

Technician: V Sanchez
Date: 3-13-2013
Page: 6 of 37

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
1	Thonsite panel w/ 2x2x1/2" insulation	46 ✓	Rm R103-2.	perimeter R115 R117 R119 R201, R103-1	4x4' 54 ea 1.5x2' 24 ea		N
		47 ✓	R 215 S/W	R113, R124 east and west entrances			
		48 ✓	R 301 S/E	R219 R217, R215, R226 R228 R222, R204 R206, R201, R203 EAST-WEST entrances			
2	Black counter material laminate	49	R111 N/E	R309, R307, R328 R302 R304 R301, R303 EAST-WEST entrances.	1600 SF	N	N
		50	R 226-2N S/W	R211, R109-1 R128 R226 RN R226 all laminate 5 tables 3 counters			
		51	R 302 S/W	R228 (1 ea) R302-1 (4 ea) R302-3 (5 ea) R202 (4 ea) table R202-1 (1 ea), R202-1E (1 ea) R228 8 ea) all. R111 all tables			
2nd flr	Black counter material	52 ✓	R228 IE 20-CTN	2nd floor R226-RN (1 ea) 2261 (1 ea)	2000 SF	N	N
		53 ✓	R 218 W/CTN	R-218-6 (1 ea) R202 1 ea (south long)			
		54 ✓	R 226-2N S/W NO-CTN	R202 (2 ea) long, R202-1E (2 ea) R202-3 (2 ea) R201A, R201B, R201 cabinets, tables cabinet displays			
3	Black counter material	55	R 111 N/E	All floor R2111 (2 ea) R109-1 (1 ea)	40 ea	N	N
		56	R 226-RN 3/E	R128 (2 ea) R12-4 (2 ea) R226-R (2 ea)			
		57	R 302 W/CTN	R226-1 (2 ea) R218-6 (3 ea) R202 (7 ea) R202-1 (2 ea) R202-1E (2 ea)			

46/47/48 Panels are 4'x4' and 1.5'x2' 4x4 54 ea
1.5x2 24 ea

NV5
FIELD BULK SAMPLE LIST

CLIENT: RSLL
PROJECT NO.: RSCL-23-11403
PROJECT NAME: Russell Haul Bldg

Technician: V-Sun 102
Date: 3-13-2024
Page: 7 of 37

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
+ ✓	black counts material	58 ✓	Room 109-1 w/cor on display shelf	R107-1 west counter and display shelf	500 SF	N	N
✓		59	R111 so west	R111 (ce) R112-4 (ce) large			
✓		60 ✓	R1124 southern	R112, R114, R116, R128 podium-cabinet cabinets and displays			
-	yellow cardboard adhesive	61	R109 S/E	R109, R109-1, R11, R114, R128	2200		
		62	R 304 W S/W	R112, R112-1-4, R224, R226, R224	2.F.	N	N
		63	R217 S/E S/W	R226-R228, R218-6, R204, R203, R211, R215, R217, R320, R322, R304, R321E			
				R302-1, R302-3, R301, R303, R305-1, R202, R202-2, R202-1, R201E, R202, R201			
				R307, R318			
-	black cloths and mesh material	64	R111 N/W	R111 N/W table	(ce) 30 SF	N	N
		65					
		66					
-	Bulletin board and adhesive	67	R113 S/E	R113(ce) R111(ce) R118(ce) R224(ce)	406 SF	N	N
		68	R116 N/W	R217(ce) R215(ce) R324(ce)			
		69	R217 E/COR	R202-2 (ce) R201 (ce)			

**NV5
FIELD BULK SAMPLE LIST**

CLIENT: RSLC
 PROJECT NO.: RSLC-23-11447
 PROJECT NAME: Russell Hall Bldg

Technician: V-Sanchez
 Date: 3-13-2023
 Page: 8 of 37

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
-	self adhesive Comps	70	Room R113 S/W	Room R113, R116, R120, R118 R118B, R222, R117, R119, R101 R203, R203A	4800 SF	N	N
		71	R116 CTN				
		72	R118B CTN				
-	4" Dark Brown concrete and adhesive	73	Rm R113 E/CTN	Rm R113, R118, R128, R218, R221 R2181A, R2185, R218-4, R218-5, R204	760 L.P	N	N
		74	R118 S/E corner	R318, R3182			
		75	R318 N/E	R324			
-	DRYWALL NO-JC	76	R122-1 N/W	drywall wall Rm's R122-R122-1	200 SF	N	N
		77	R122-1 S/W				
		78	R122 E/CTN				
-	4" block concrete and adhesive	79	R122-1 E/CTN	Rm's R122, R1221, R222, R220 R316, R128, R115, R117, R119	560 L.P	N	N
		80	R222 N/E	R101			
		81	R316 N/CTN				

**NV5
FIELD BULK SAMPLE LIST**

CLIENT: RSLC
 PROJECT NO.: RSLC-23-11447
 PROJECT NAME: Russell Hall Bldg

Technician: V-Samm
 Date: 3-13-2023
 Page: 9 of 31

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
-	Wall paper and adhesive	82	R-114 S/E	on walls R-114, R-128, R-100 1st fl (narrow)	3600 SF	N	N
		83	R-200 by 214 entrance	R-200 (corridor) R-300 common			
		84	R-300 S/E				
+ + +	Black flooring (vinyl) strip common	85	R-128 S/Ws	R-128, R-112, R-126 R-124	1200 L.FT	N	N
		86	R-112 S/E				
		87	R-126 DOOR				
	gray window casing sealant	88 ✓	R-103-2 S/E	perimeter material (of casings) to windows and doors	100 SF	N	N
		89 ✓	R-215 S/W				
		90 ✓	R-301 S/E				

**NV5
FIELD BULK SAMPLE LIST**

CLIENT: R5LL
 PROJECT NO.: R5LL-23-1140
 PROJECT NAME: R-Drug

Technician: V. Sanchez
 Date: 3-24-2023
 Page: 10 of 37

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
-	Drywall composite	91	R-112-1 w/ETA	R-112-1 west wall and ceiling	250		
		92	w/ETA ceiling	Rm 118B south wall at entrance	SF	N	N
		93	R-118B S/E by entrance				
-	Drywall composite	94	R-100 NORTH CT	R-100 (1st floor corridor) north end	100		
		95		WALL @ WATER FOUNTAIN	SF	N	N
		96					
-	Drywall composite	97	R-328-1 N/W	Dividing wall R328 and R328-1	200		
		98	R328-1 N/E		SF	N	N
		99	R-328 S/E				

NV5
FIELD BULK SAMPLE LIST

CLIENT: RSLC
 PROJECT NO.: RSLC-23-11447
 PROJECT NAME: R Bldg

Technician: Victor Sander
 Date: _____
 Page: 12 of 32

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
+	12" base 2pc 6" x 6" flt tile & mortar	100 ✓	R226-1 DO. CTN	R226-1	280	N	N
		101 ✓	w/CTN		SF		
		102 ✓	s/w				
-	4" black cove base good adhesive	103 ✓	R226-1	R226-1, R304-1, R226, R220, R222	220	N	N
		104 ✓	R307-1 3/2		2.5F		
		105 ✓	R-222 N/E				
-	dry wall panel w/adhesive	106 ✓	R218-5 w/CTN	R222 south wall RUB/A, R218-3 R218-4, R218-5. dividing walls	850	N	N
		107 ✓	R218A SO. CTN		SF		
		108 ✓	R218-3 SO. CTN				
+	gypsum chisel base adhesive	109	R320 w/CTN	R320 (ea) R304 (ea), R112 ea R124 ea, R128 ea, R112 ea R219 ea, R201 ea	15	N	N
		110	A304 E/CTN		(ea)		
		111	R111 S/W (narrow on wood)				
		111A	R111 N/E on plaster				

NV5
FIELD BULK SAMPLE LIST

CLIENT: RSLL
 PROJECT NO.: R-5LL-23-11447
 PROJECT NAME: R- Bldg.

Technician: V.S. / O.G.
 Date: _____
 Page: 12 of 32

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
-	drywall composite	112 ✓	R326-2 S/E	R326-1, R326-2 R326-3	2200		
		113 ✓	R326 A N/E	R326-ABC drywall drywall ABCE wall and ceiling RM 318-2 drywall	SF	N	N
		114 ✓	R326-5 S/W				
		115 ✓	R326 W N/CTR				
		116 ✓	R326 B N/E	R326-1 R326-2 R326-3 R326 ABCE			
-	411 Bagged 200lb box ceiling adhesion	117 ✓	R326 2 N/E		175 SF	N	N
		118 ✓	R326 A N/E				
		119 ✓	R326 W N/W				
+	given 12" x 12" x 1/2" floor brick & mortar	120 ✓	RM R314-2 W/CTR	RM R314-2	28 SF	N	N
		121 ✓	W/CTR				
		122 ✓	S/W.				

NV5
FIELD BULK SAMPLE LIST

CLIENT: RSCC
PROJECT NO.: 125CC-23-11447
PROJECT NAME: R Bldg.

Technician: VS-06
Date: _____
Page: 13 of 37

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
-	disposal composite	123	R314-2 N/E	Room R314-2 south and east walls	250 SF	N	N
		124	S/E				
		125	S/W				
-	large white gully shoe caps floor structure	126	R302 W/CTR	R302	1350 SF	N	N
		127	CTR				
		128	E/CTR				
-	light brown concrete and adhesion	129	R302 no. CTR	R-302	160 L.F.	N	N
		130	N/W				
		131	W/CTR				
-	light brown concrete and adhesion (brown)	132	R302 no. Table 1	R-302 on wood counters (Lab tables)	200 L.F.	N	N
		133	no table 2				
		134	n. table 3				

NV5
FIELD BULK SAMPLE LIST

CLIENT: RSLC
PROJECT NO.: RSLC 23-11447
PROJECT NAME: R. Billy

Technician: VS/O.G
Date: _____
Page: 14 of 37

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
	5" black low density autoclaved	135 ✓	R-302-1E 30.0 ctn	on cabinet R-302-1E (4ea) R-302-1 (4ea) R-301 table & cabinet hoods, est cabinet R-307, R-308-1, R-305-1, R-30305, R-304	2800 2. F	N	N
		136 ✓	R-301 s/w table s/cta	R-302, R-328 2N, R-302, R-228, R-226, R-226 2N R-226-1, R-223, R-228-1, R-202-1, R-202-2			
		137 ✓	R-202 N/W cabinet	R-218, R-201, R-217, R-207-1, R-107-1, R-111, R-212-1 keystone huff at podiums Fruit + N			
	Black counter cabinet	138	R-302-1E 60.0 ctn	R-302 1E, North east end section/south wall, R-302-1 west wall, R-314 east wall (2 ea)	3500 5F	N	N
		139	R-302-1 S/W.	R-314-2 (1 ea) R-302-2, R-302-2 walls hoods R-302-3, R-301 tubing, cabinets, hood			
		140	R-314 E/cta	R-301 + table, cabinets hoods, displays on cabinets R-305-1 cabinets, display			
X	80SF each white hood panel (vent)	141	R-302 s/w	R-302 (7 ea)	15 ea	N	N
Y		142	R-304 s/E	R-304 (4 ea)	80 sq ft each		
Y		143	R-305-1 s/w R-309. s/w				
+ Y	(white) dry erase board adhesive	144	R-301 s/w	R-301 (4 ea), R-309 (5 ea), R-307 (3 ea) R-305-5 ea, R-303 2 ea, R-115 7 ea	45 ea	N	
X		145	R-117 W/cta	R-117 7 ea, R-111 3 ea, R-126, 3 ea R-112 (3 ea) R-201 1 ea			
Y		146	R-111 s/w				

NV5
FIELD BULK SAMPLE LIST

CLIENT: RSLC
PROJECT NO.: RSCC-23-11447
PROJECT NAME: R Bldg

Technician: VS-06
Date: _____
Page: 23 of 37

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
+	9" whole floor like & mass	* 200	1st fln R103 A CTR	1st fln R103 A, R109, R109-1 R111 R114, R120, R218, R118B, R128	29,460 SF	N	N
		* 201	R111 3/W	R113, R115, R117, R126, R128, R124 R112			
		* 202	R128 5/W				
		* 203	2nd fln R202 R224 N/W	2nd fln R224, R226, R222, R220 R224 R225, R211, R215, R227			
		* 204	R215 E/CTR	R217, R219, R207, R219, R207 R201 R206 R204 R202, R228			
		* 205	R204. CTR				
		* 206	3rd fln R302/B/W	3rd fln R301, R309, R324 R324 R326-2 R326-3 R326 ABC			
		* 207	R301 3/CTR	R307, R303S, R303 R322, R320 R318-1 R318-2, R304, R328, R328-1, R328-2			
		* 208	R326 CTR				

NV5
FIELD BULK SAMPLE LIST

CLIENT: RSCC
 PROJECT NO.: RSCC-2311441
 PROJECT NAME: R Bldg

Technician: V-S-06
 Date: _____
 Page: 24 of 37

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
+	9" high grade floor tile and mortar	x 209	1st flr R1124 ctr	1st flr R112, R112-1, R112-4 <u>elevator cant.</u>	9,413 SF	N	N
		x 210	R112-ctr				
		x 211	R112-1 by entrance				
		x 212	2nd flr 2281E north ctr	R228-2N, R218, R218-1, R218A, R2181 R218-3, R218-4, R2185, R202-2			
		x 213	R218 N/W.	R202-1, R228-1E			
		214	R228-2N ctr				
		x 215	3rd flr R302-1 ctr.	R302-1, R305-1, R305, R228-2N, R304 R302-2, R302-1, R302-1E, R302-3			
		x 216	R302-1 N/W.				
		217	R305 ctr				

NV5
FIELD BULK SAMPLE LIST

CLIENT: RSCC
PROJECT NO.: RSCC-23-1144
PROJECT NAME: R Bldg

Technician: VS-06
Date: _____
Page: 26 of 32

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
	STUCCO	227	1st flr 120. East stair ND-LTN	extension walls	2,600 59.5	N	N
		228	1st flr extension R 124 N/W				
< 1%		229	↓ EAST side S/E				
		230	2nd flr S/W stairs N/W				
< 1%		231	↑ women's room N/E				
< 1%		232	↓ extension 219 S/W				
< 1%		233	3rd flr ext. R-304				
< 1%		234	↓ N/E stairs				
< 1%		235	↓ WESTERN				
-	granite similak sealant	236	ext R 302	ext/entr door/window casings	100 37	N	N
		237	ext R 217				
		238	ext R 113				

NV5
FIELD BULK SAMPLE LIST

CLIENT: RGCC
 PROJECT NO.: RS CL-23-1144
 PROJECT NAME: Riesel Hall Bldg (Greenhouse)

Technician: VS-OG
 Date: _____
 Page: 23 of 37

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
-	gray scaling compound	239	N/E Greenhouse	greenhouse glass and louvre roof, and windows at seams (glass/louvre)	50 SF	N	N
		240	NO. CTR				
		241	N/W				
-	black gray scaling compound	242	Greenhouse N/E	Greenhouse at base of roof, where it touches window block walls	50 SF	N	N
		243	N/W				
		244	S/W				
+	Black mastic	245	Greenhouse vent patch	Greenhouse	10 SF	N	N
		246	north cor vent patch				
		247	drain R4017				
+	moisture barrier material	248	Greenhouse E/CTR	Greenhouse (floor)	300 SF	N	N
		249	CTR				
		250	N/LTA				

NV5
FIELD BULK SAMPLE LIST

CLIENT: RSLC
PROJECT NO.: RSLC-23-11447
PROJECT NAME: R Blug Greenhouse no.1

Technician: V-Sanchez
Date: 3-13-23 / 3-14-23
Page: 28 of 32

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
+	Insulation	251	Greenhouse u.p. ctn	Greenhouse	30 SF	N	N
		252	ctn				
		253	s/ctn				
-	Gravel root cone	254	EAST LAN RM N/W	(EAST ^{Fan} break room) R4035	2800 SF	N	N
		255	N/E				
		256	w/ctn				
+	Blch media	257	EAST PAN RM	(East fan room) HVAC ducts seams R4035	1000 SF	N	N
		258		NOTE: ^{smear} smear on DUCTS			
		259					
< 1%	STUW	260	Pipe shut R4035	R4035 u/w Pipe shaft (pipe shaft within R4035)	400 SF	N	N
		261	s/E				
		262	s/W				

NV5
FIELD BULK SAMPLE LIST

CLIENT: RSLC
 PROJECT NO.: RSLC-23-11447
 PROJECT NAME: Russell Hall Bldg Roof

Technician: V5-06
 Date: _____
 Page: 30 of 37

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
-	Roof walking nuts	269	s/e by stairs	Roof	800 SF	N	N
		270	by entrance to 2402				
		271	n/w				
-	Roof mastic	272	n/w duct supply	roof penetrations, metal wind broken posts, corners on HVAC equipment	200 SF	N	N
		273	West ctn	supply			
		274	South ctn				
-	White HVAC sealant	275	n/w duct	Roof on HVAC ducting	600 SF	N	N
		276	w/ctn				
		277	so. ctn				
-	floor roller	278	n/w side	Roof	15 ea	N	N
		279	w/ctn				
		280	so. ctn				

NV5
FIELD BULK SAMPLE LIST

CLIENT: RSCC
 PROJECT NO.: RSCC-23-1147
 PROJECT NAME: Russell Hall Bldg. Roof

Technician: VS. OG
 Date: 5-12-2022 / 5-18-2023
 Page: 31 of 32

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
	Gravel roof core	281	north ctr	high rise roof (roof to R407, R408, R406, R404)	2200 SF	N	N
		282	center				
		283	south ctr				
+	roof walk	284	ctr	high rise roof (roof to R407, R408, R406, R404)	20 SF	N	N
		285	S/W				
		286	S/E				
-	metal roof sealing tape	287	N/ctr	on metal roof seams (high rise roof) (roof to 4035)	100 SF	N	N
		288	N/W				
		289	west ctr				
		290	south side west of opening	R402 micro-cage opening hatch on seam	55F	N	N
	grey sealing compound	291	upper west of opening				
		292	east of opening				

NV5
FIELD BULK SAMPLE LIST

CLIENT: RSLC
 PROJECT NO.: RSLC-23-11447
 PROJECT NAME: R-51dy 204

Technician: VS-06
 Date: _____
 Page: 32 of 32

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
-	Abundant beige fine brick	<u>293</u>	R404 S/W	S/W on R404	20 SF	Y	N
		<u>294</u>					
		<u>295</u>					
-	12" OD. (wrap) pipe concrete	<u>296</u>	R407 S/W	R407 R406, R403N	160 L.F.	Y	N
		<u>297</u>	R406 N/W				
		<u>298</u>	R403 N N/E				
-	12" OD. abbr.	<u>299</u>	R407 S/W	R407, R401	10 sq	Y	N
		<u>300</u>	R406 W/W				
		<u>301</u>					
-	zircon abbr.	<u>302</u>	R404 N/W	R404	6 cu.	Y	N
		<u>303</u>					
		<u>304</u>					

NV5
FIELD BULK SAMPLE LIST

CLIENT: PSCC
PROJECT NO.: PSCC-2311447
PROJECT NAME: R Bldg

Technician: VS OG
Date: _____
Page: 32 of 37

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
-	4" OD elbow	305	R404 N/W corner	R407, R404	8 ea	X	N
		306	R404 SO. CTR.				
		307	R407 S/E				
-	Beige HVAC seam tape	308	R403S S/CTR	R403S (EXIT FAN ROOM)	40 SF	Y	N
		309	CTR				
		310	CTR inside air handler				
-	red abbin unford	311	R403S S/CTR CTR air handler	Inside air handler room R403S (inside duct)	80 SF	N	N
		312	CTR				
		313	NO CTR				
+	Beige tack mastic	314	R403S CTR air handler S/CTR	Inside air handler R-403S (inside duct) and	400 SF	N	N
		315	CTR	possibly inside duct chase			
		316	NO CTR				

**NV5
FIELD BULK SAMPLE LIST**

CLIENT: BSLC
 PROJECT NO.: BSLC-23-11447
 PROJECT NAME: R Bldg 1200

Technician: VS-06
 Date: 3/3-2023/3-10-23
 Page: 29 of 32

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
-	Gravel roof cone	317	Roof N/W	Roof (main Roof)	14,000 SF	N	N
		318	N/E				
		319	S/W.				
-	white roof felt kick sheet	320	R403 S by entrance	Transition from main roof up to wall to mechanical rooms,	500 SF	N	N
		321	EAST CTR	Green house and roof per need			
		322	Green house RW. CTR.				
-	gray collection roof cone	323	pipe shaft N/ETA	R403 S on N/W pipe shaft.	400	N	N
		324	S/E				
		325	S/W				
-	flange gasket	326	R407 ETR	ROOF	30 ea	N	N
		327	N/E				
		328	S/E				

NV5
FIELD BULK SAMPLE LIST

CLIENT: RSCC
 PROJECT NO.: RSCC-23-11447
 PROJECT NAME: Russell Hall Bldg

Technician: V3-06
 Date: _____
 Page: 35 of 32

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
-	light brown flom shingles	329	R219-1B E/CTR	R219-1B R203 south section	270 SF	N	N
		330	N/W				
		331	R203 EASTERN				
-	12" OD pipe felt paper	332	R214 NO. CTR	R214, 12" pipe chase TO roof	100 LF	N	N
		333					
		334					
-	6" OD pipe felt paper	335	R214 NO. CTR	R214 pipe chase to roof	100 LF	N	N
		336					
		337					
+	Gas pipe insulation	338	R128 NO. CTR	R128, R112, R126, R24 at podium / cabinet	12 LF	N	N
		339	R112 SO. CTR				
		340	R126 W/ CTR				

NV5
FIELD BULK SAMPLE LIST

CLIENT: RSLL
 PROJECT NO.: RSLL-23-11447
 PROJECT NAME: Russell Hall Bldg

Technician: VS-06
 Date: 3-13-2023 3/13/2023
 Page: 36 of 37

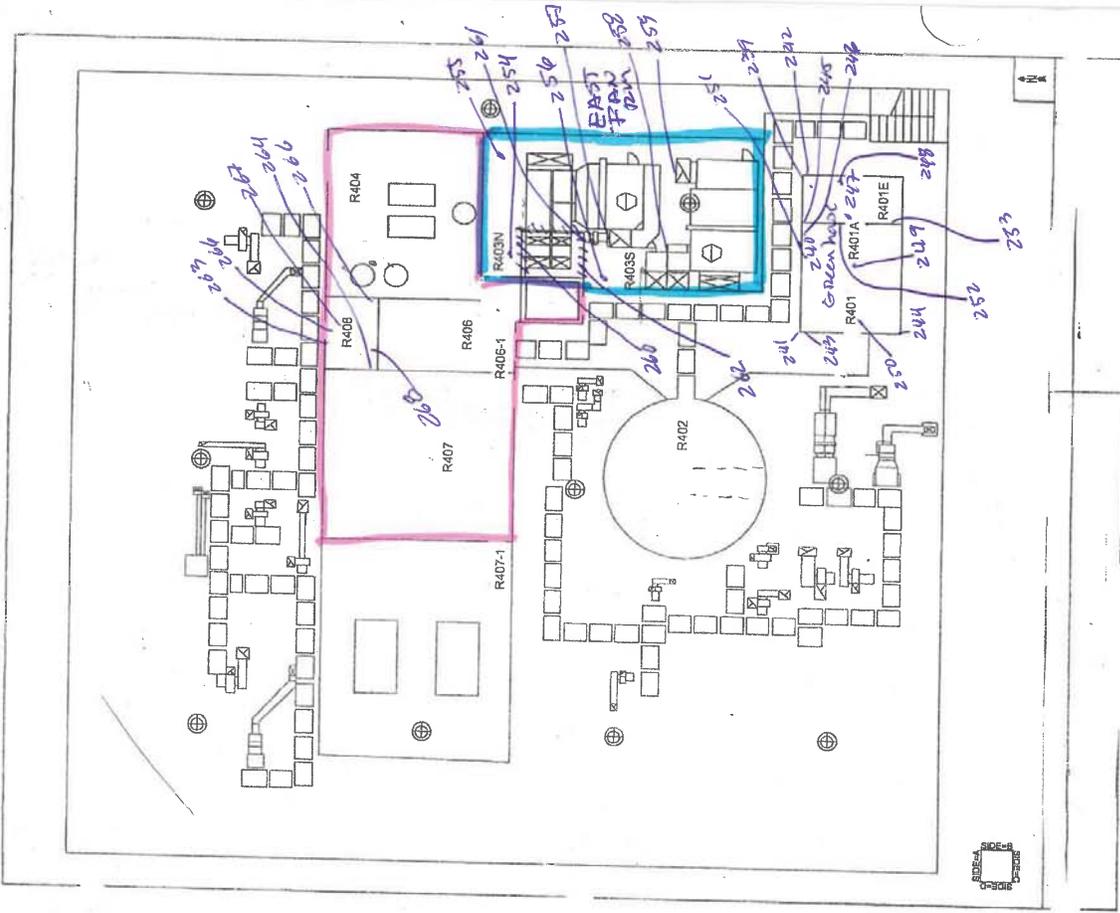
PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
+	vent caulking	341	R112 SO. UTA	R124, R128, R129, R112. at podium-cabinets	4 SF	N	N
		342	R128 DO. UTA				
		343	R126 W/ UTA				
+	transite pipe	344	R112 SO. UTA	R112	15 F	N	N
		345		(material may be underground)			
		346					
-	fire door insulation	347	R201 S/E	per mesh door	60 (ea)	N	N
		348	R202 N/E				
		349	R113 S/W				
+	DEX-O-TEK	350	north overhang N/E	1st floor north and south overhangs	500 SF	N	N
		351	N/W				
		352	south overhang S/W				

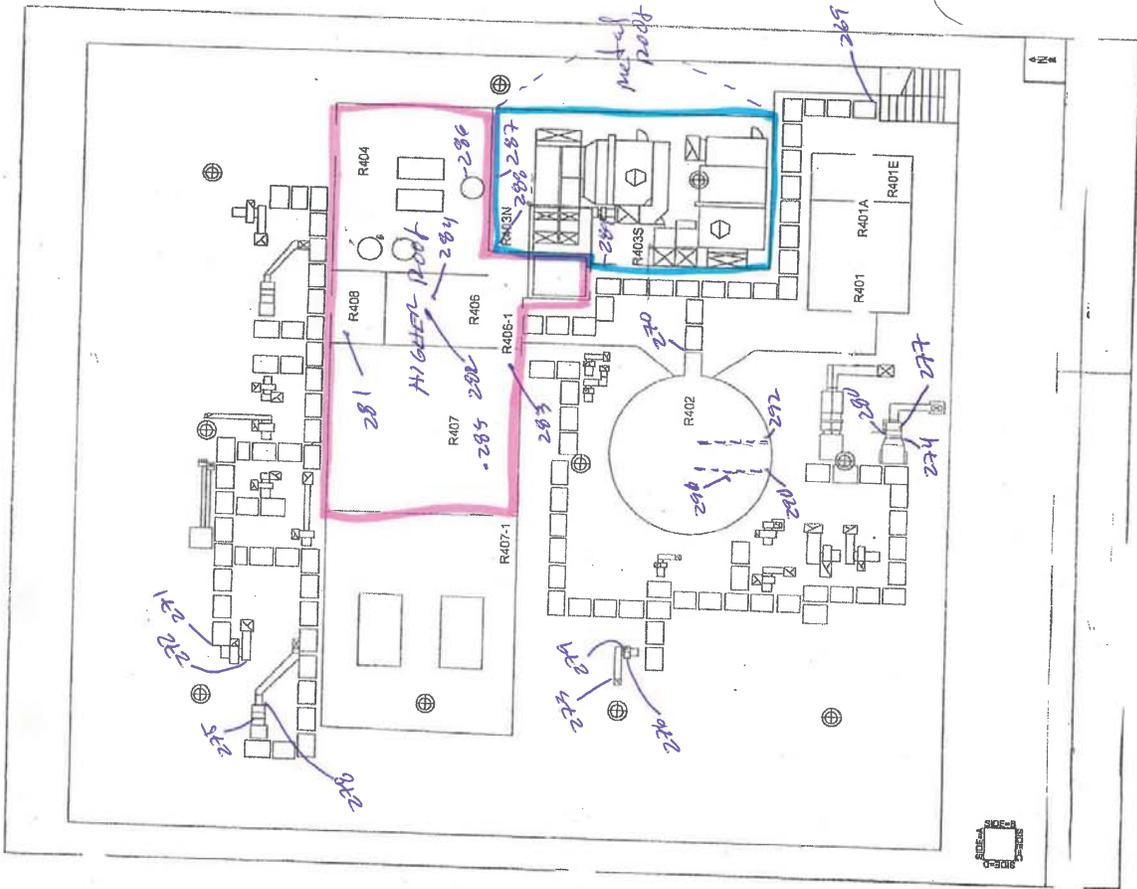
APPENDIX C

SAMPLE LOCATION MAP: ASBESTOS

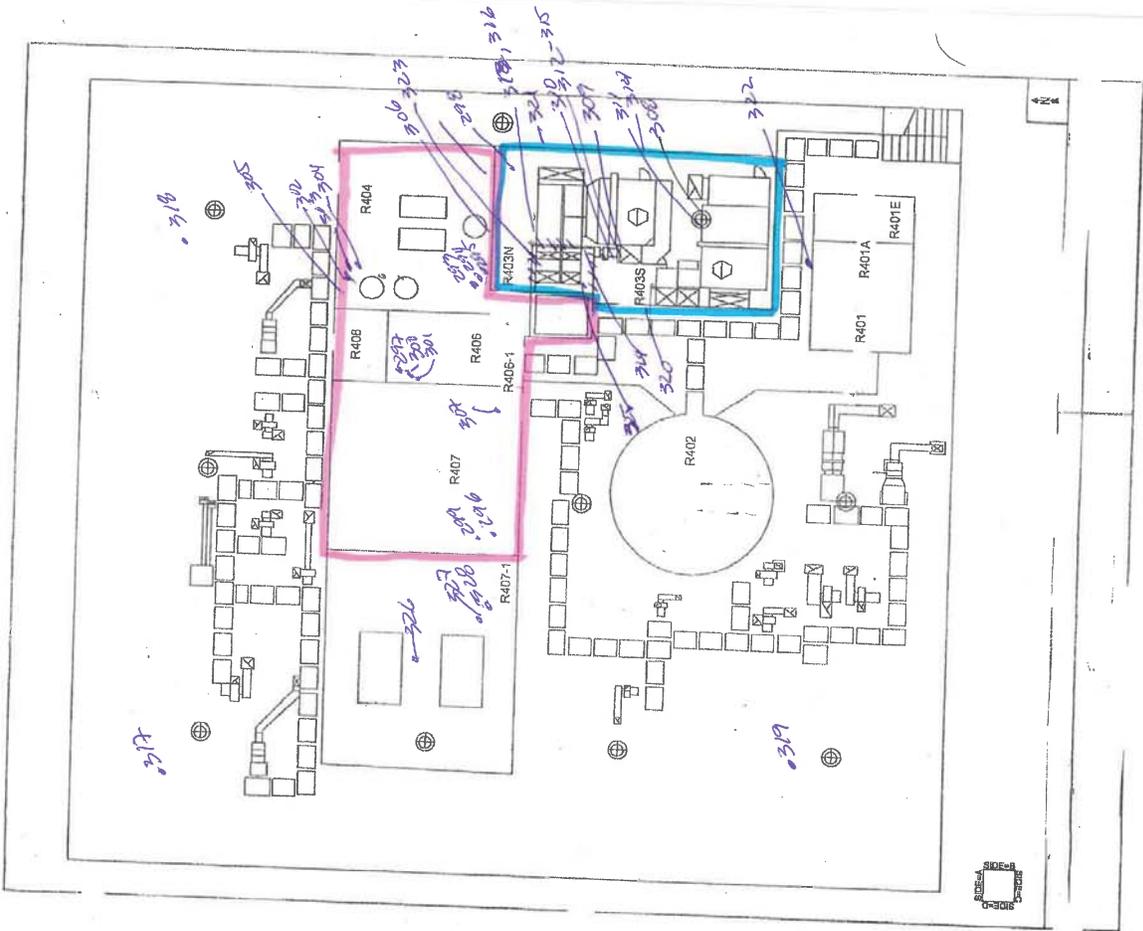
Roof

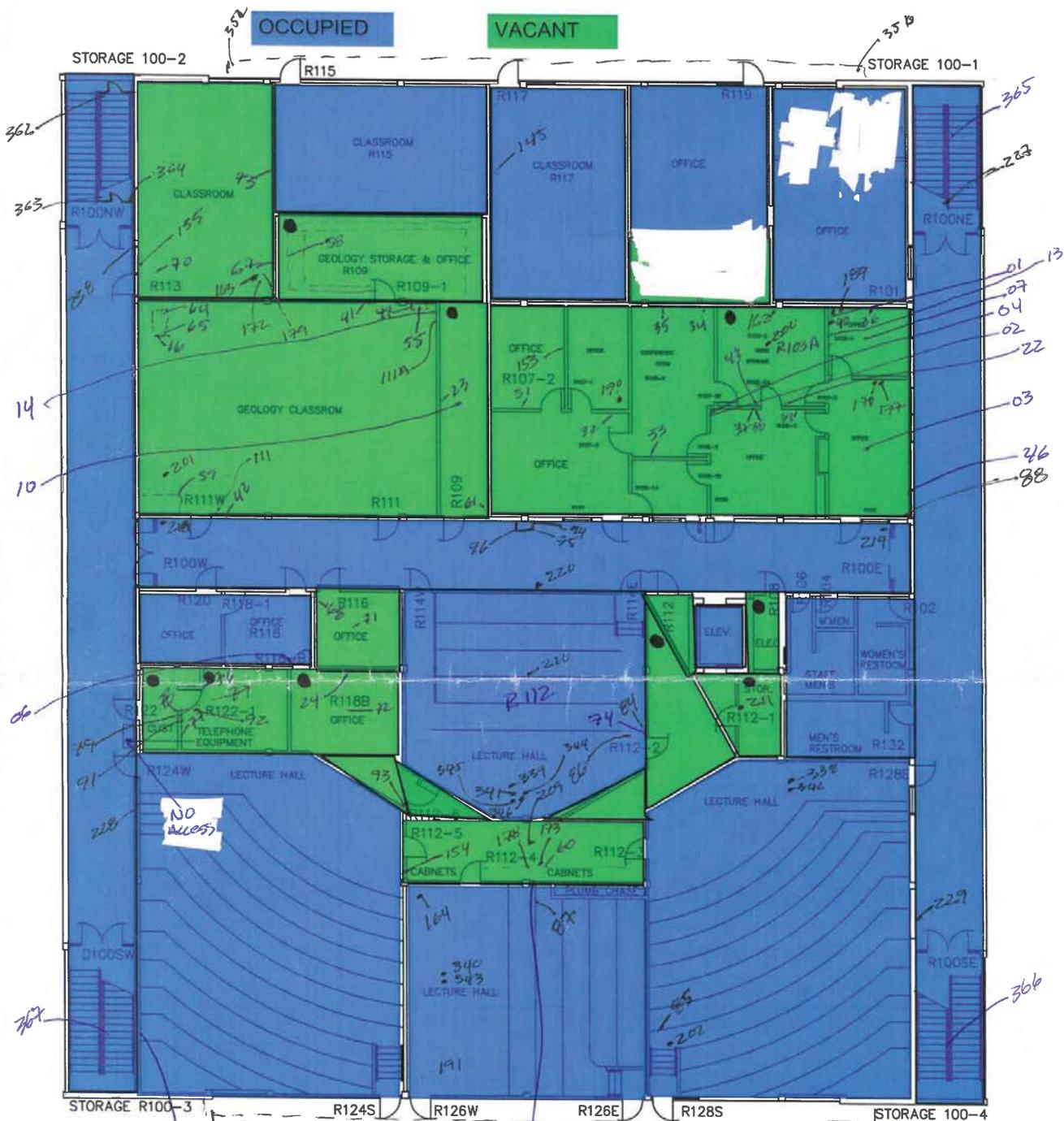
T2



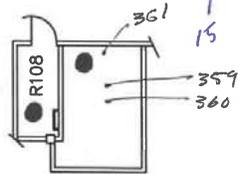


Roof 2





STORAGE
(TYP. AT STAIRWAYS)



MECHANICAL MEZ.

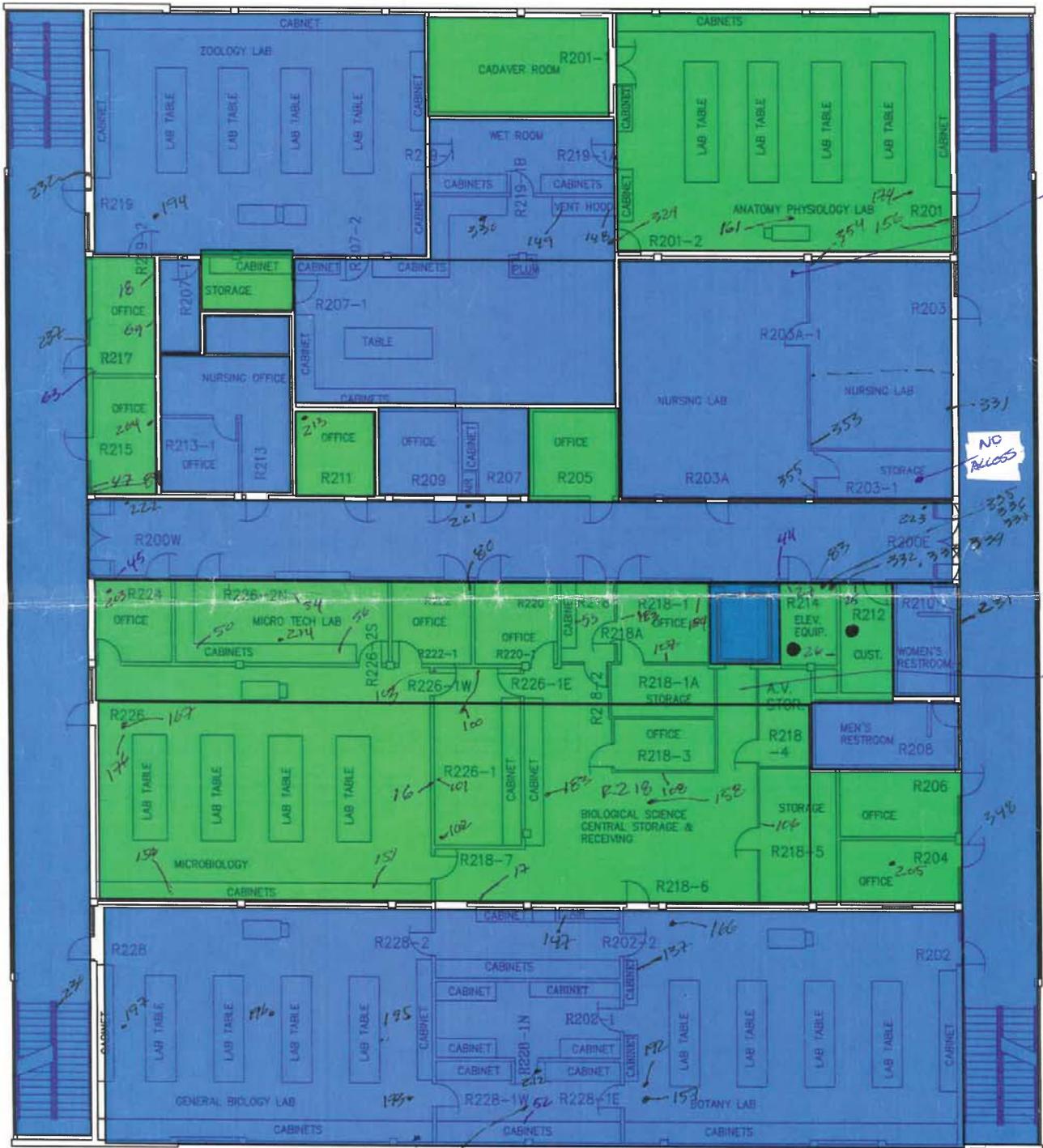
"R" BLDG.
RUSSELL HALL
1ST FLOOR

NOTE: Telephony
equipment
closet
NOT ACCESSIBLE

● rough plaster

OCCUPIED

VACANT

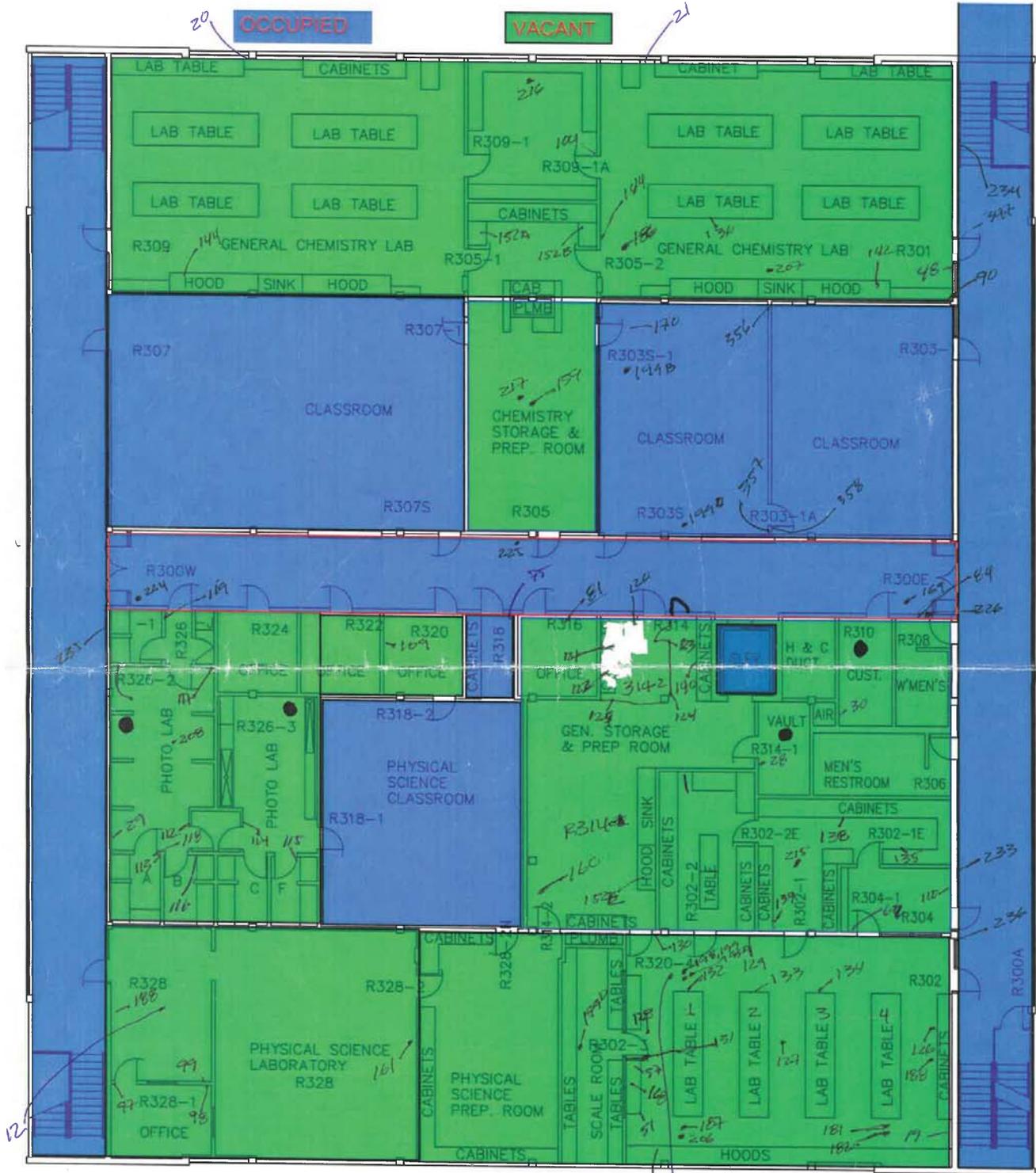


"R" BLDG.
 RUSSELL HALL
 2ND FLOOR



NOTE: Storage/R203-1
 NOT Accessible

● Rough plotter



20 OCCUPIED

VACANT 21

"R" BLDG.
 RUSSELL HALL
 3RD FLOOR



● Rough plaster

APPENDIX D

NV5 EMPLOYEE CERTIFICATIONS

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

Victor M Sanchez

Name

Certification No. **08-4470**

Expires on **01/15/24**



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.

State of California
Division of Occupational Safety and Health
Certified Site Surveillance Technician

Oscar Garcia

Name

Certification No. **05-3759**

Expires on **05/19/23**



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

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

Eric J Fleming

Name

Certification No. **00-2816**

Expires on **09/22/23**



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.



LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
 Eric Fleming	Lead Inspector/Assessor	LRC-00003454	10/4/2023
	Lead Project Monitor	LRC-00003455	10/4/2023
	Lead Supervisor	LRC-00003453	10/4/2023

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

David Schack

Name

Certification No. **92-0219**

Expires on **07/09/23**



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



STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH



LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:



David Schack

CERTIFICATE TYPE:

Lead Inspector/Assessor

NUMBER:

LRC-00002121

EXPIRATION DATE:

4/27/2023

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

APPENDIX E

PREVIOUS REPORTS



Converse Consultants

Geotechnical Engineering, Environmental & Groundwater Science, Inspection & Testing Services

September 6, 2018

Ms. Allison Coburn
Project Manager
RSCCD Facility Planning, Construction and District Support Services
2323 North Broadway
Suite 112
Santa Ana, CA 92706-1640

**Subject: HAZARDOUS MATERIAL SURVEY
RUSSELL HALL REPLACEMENT
SANTA ANA COLLEGE**
Converse Project No. 16-42-158-07

Ms. Coburn:

On August 15, 2018 and August 18, 2018, Converse Consultants (Converse) completed a *Hazardous Material Survey* at the referenced facility. Converse's work was completed in general accordance with our proposal dated June 8, 2018.

The work was completed by Converse's certified asbestos and lead staff. Copies of their certifications are attached to this letter. Copies of the laboratory certifications are also attached.

Prior to commencing with the field activities, Converse reviewed the existing survey reports prepared by Executive Environmental. The asbestos survey report was dated August 9, 2005 and the lead survey report was dated June 11, 2013. Based on our review of the prior survey reports, Converse then sampled previously un-sampled materials. A summary of our survey results is provided below.

Asbestos

The bulk materials were submitted to a State-certified laboratory, LA Testing in South Pasadena, California for analysis. The bulk samples were analyzed by Polarized Light Microscopy (PLM) in accordance with EPA Test Method 600/R-93/116. The materials sampled and the analytical results are as follows:

Sample No.	Material	Percent Asbestos	Comments
01-03	9x9 vinyl floor tile (VFT), black, and black mastic	2% (tile)	Asbestos detected in the tile only. No asbestos detected in the mastic. Located in Room 122-1. Approx. 200 square feet of material in good

MAILING ADDRESS: 717 South Myrtle Avenue, Monrovia, CA 91016

3176 Pullman Street, Suite 108, Costa Mesa CA 92626
Telephone: (714) 444-9660 ♦ Facsimile: (714) 444-9640 ♦ www.converseconsultants.com

Sample No.	Material	Percent Asbestos	Comments
			condition.
04-06	Pipe elbow insulation	None Detected	Located above suspended ceilings of 1 st floor classrooms and offices.
07-09	Baseboard mastic, brown	None Detected	Associated with cream/grey baseboards on 1 st floor.
10-12	HVAC Duct joint tape	None Detected	Located in Mechanical room on mezzanine.
13-15	Black, elastic, tar-like pipe insulation	None Detected	Located in Room 108.
16-17	Vinyl floor sheeting, brown marble swirl pattern	None Detected	Located in Rooms 203 and 207.
19-21	Baseboard mastic, brown	None Detected	Associated with grey vinyl baseboards on 3 rd floor.
22-26	Drywall/joint compound	None Detected	Located on 2 nd and 3 rd floors.
27-29	Pipe elbow insulation	None Detected	Located in Room 408 on the roof.
30-32	HVAC duct joint compound	8%	Material located on the seams and ducts of HVAC units. Approximately 1,000 square feet of material in good condition located on the equipment in Room 403 on the roof.
34	HVAC duct joint compound	5%	Exterior roof-mounted ducting. Verification sample to #30-32. Appears to be the same material as # 30-32.
35-37	Baseboard mastic, brown	None Detected	Associated with black vinyl baseboards on 1 st floor.
ADDITIONAL COMMENTS:			
Observed in Room 309 were four chemical hoods. Each hood had suspect transite panels. Each panel was approximately 3-feet in length and 2-feet wide. Destructive sampling method would have been necessary to collect bulk samples; therefore, no bulk samples were collected.			

*NOTES: All samples begin with a prefix of "R-" on the chain of custodies.
 No sample number 33 was collected.*

Converse recommends the asbestos-containing materials (ACMs) be abated if they will be impacted by any future renovation activities. Asbestos abatement must be performed by a Cal/DOSH licensed asbestos abatement contractor using methods in accordance with 8 CCR 1529, and SCAQMD Rule 1403.

If the ACMs and ACCMs are not impacted by future renovation activities, the materials should be managed in place through an Operations and Maintenance (O&M) Plan.

No destructive sampling was completed during this survey; therefore, void spaces between walls, and floors were not inspected. Any previously un-sampled material that is encountered should be assumed positive for asbestos until sampled.



Lead

Converse utilized a portable X-ray fluorescence (XRF) device to survey representative painted components and ceramic features in the building. The following components had lead concentrations equal to or greater than 1.0 milligrams per square centimeter (mg/cm^2), which is the definition of a lead-base paint (LBP).

XRF Readings Equal to or Greater Than 1.0 mg/cm^2

- Ceramic sinks: white and pink
- Ceramic wall tiles: green blue, gray, white, pink, beige, light blue, yellow
- White ceramic urinals and toilets
- Brown metal ladder
- Brown exterior metal stair enclosure
- Yellow concrete exterior stairs

The condition of the paints and ceramic components were in good condition at the time of the survey. If the materials are in damaged conditions at the time of renovation activities, the paints will need be stabilized and the ceramic components abated. All paint stabilization and abatement must be performed by a CDPH licensed lead abatement contractor using workers that have undergone the necessary lead training and are CDPH certified workers.

Converse further recommends that lead stabilization/abatement activities be monitored by an independent third party or consultant knowledgeable in lead stabilization and abatement procedures and is at a minimum, a CDPH certified Lead Project Monitor.

Although other painted surfaces tested did not meet the criteria for LBP, concentrations of lead were detected in these other materials. Title 8 CCR 1532.1 (Lead) may require workers that perform either manual demolition or manual scraping or sanding of painted surfaces to undergo an exposure assessment including air monitoring of the breathing zone.

In the event that suspect LBPs are observed during future activities that were not previously sampled, these materials should be assumed to contain lead in concentrations exceeding $1.0 \text{ mg}/\text{cm}^2$, until such time that they can be sampled and evaluated for lead content.

PCB Survey

Converse inventoried light fixtures (ballasts and light tubes) within the building. The light fixtures and light tubes were generally 4-foot in length with a few 2-foot fixtures/light tubes. Light ballasts associated with the 4-foot light fixtures may vary from one to two ballasts per fixture or more. Converse has assumed one ballasts per fixture in our inventory.



An approximate count of the items is provided in the following table.

Floor	No. of Light Fixtures	No. of Light Tubes	No. of Ballasts
1	363	582	363
2	418	718	418
3	370	602	370
4	--	--	--

Fluorescent light fixtures were observed on the various floors of the building. All ballasts which are not clearly marked “No PCBs” or “PCB Free” shall be assumed to contain PCBs, and shall be removed intact, packaged, and disposed of appropriately as hazardous waste. All other ballasts may be incinerated or recycled at an appropriate disposal site.

All fluorescent tubes will need to be disposed as universal waste.

Closure

This letter report is for the sole benefit and exclusive use of Rancho Santiago Community College District (RSCCD) as it pertains to Building R (Russell Hall) located at Santa Ana College, Santa Ana, California. Our services have been performed in accordance with the terms and conditions under which these services have been provided. Its preparation has been in accordance with generally accepted environmental practices. No other warranty, either express or implied, is made. The Scope of Services associated with the report was designed solely in accordance with the objectives, schedule, budget, and risk-management preferences of RSCCD.

This report should not be regarded as a guarantee that further ACMs or lead beyond that which could be detected within the scope of this project, is present at the Property. It is not possible to absolutely confirm that no hazardous materials and/or substances exist at the Property. If none are identified as part of a limited scope of work, such a conclusion should not be construed as a guaranteed absence of such materials, but merely the results of the evaluation of the property at the time of the survey. If previously un-sampled materials are encountered they should be assumed positive until tested. Also, events may occur after the Property visit, which may result in contamination of the Property. Additional information, which was not found or available to Converse at the time of report preparation, may result in a modification of the conclusions and recommendations presented.

Any reliance on this report by Third Parties shall be at the Third Party’s sole risk. Should RSCCD wish to identify any additional relying parties not previously identified, a completed *Application of Authorization to Use* (see page 6 of this report) must be submitted to Converse Consultants.



We appreciate the opportunity to be of service. Should you have any questions or comments regarding this report, please contact either Laura Tanaka at (626) 930-1261 or Norman Eke at (626) 930-1260.

Sincerely,

CONVERSE CONSULTANTS


Laura Tanaka
CDPH Lead Inspector/Assessor, #I-3086
Principal Environmental Scientist


Norman Eke
Certified Asbestos Consultant, #96-2093
Senior Vice President

Attch: Application for Authorization to Use
Asbestos: Analytical Report, Chain of Custody, Sample Location Map
Lead: XRF Logs





Converse Consultants

Geotechnical Engineering, Environmental & Groundwater Science, Inspection & Testing Services

Application for Authorization to Use

TO: Converse Consultants
3176 Pullman Street, Suite 108
Costa Mesa, California 92626

Project Title & Date: _____

Project Address: _____

FROM: (Please identify name & address of person/entity applying for permission to use the referenced report.)

Applicant _____ hereby applies for permission to use the referenced report in order to:

Applicant wishes or needs to use the referenced report because:

Applicant also understands and agrees that the referenced document is a copyrighted document and shall remain the sole property of Converse Consultants. Unauthorized use or copying of the report is strictly prohibited without the express written permission of Converse Consultants. *Applicant* understands and agrees that Converse Consultants may withhold such permission at its sole discretion, or grant such permission upon agreement to Terms and Conditions, such as the payment of a re-use fee, amongst others.

Applicant Signature: _____

Applicant Name (print): _____

Title: _____

Date: _____





LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

<http://www.LATesting.com> / pasadenalab@latesting.com

LA Testing Order: 321818968

Customer ID: CNVC42

Customer PO:

Project ID:

Attention: Laura Tanaka
Converse Consultants
3176 Pullman St
Suite 108
Costa Mesa, CA 92626

Project: 16-42-15807 RSCCD/Russel Hall

Phone: (714) 444-9660

Fax: (714) 444-9640

Received Date: 08/19/2018 9:00 AM

Analysis Date: 08/25/2018

Collected Date: 08/18/2018

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
R-01-Floor Tile <small>321818968-0001</small>	Room R122-1	Black Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
R-01-Mastic <small>321818968-0001A</small>	Room R122-1	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-02-Floor Tile <small>321818968-0002</small>	Room R122-1	Black Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
R-02-Mastic <small>321818968-0002A</small>	Room R122-1	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-03-Floor Tile <small>321818968-0003</small>	Room R122-1	Black Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
R-03-Mastic <small>321818968-0003A</small>	Room R122-1	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-04 <small>321818968-0004</small>	R100W	Gray Fibrous Homogeneous	30% Cellulose 10% Glass	60% Non-fibrous (Other)	None Detected
R-05 <small>321818968-0005</small>	R100W	Gray Fibrous Homogeneous	10% Cellulose 30% Glass	60% Non-fibrous (Other)	None Detected
R-06-Insulation <small>321818968-0006</small>	R100W	Gray Non-Fibrous Homogeneous	40% Min. Wool	60% Non-fibrous (Other)	None Detected
R-06-Wrap <small>321818968-0006A</small>	R100W	White Non-Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
R-07-Mastic <small>321818968-0007</small>	Rm R111, E. Wall	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-07-Baseboard <small>321818968-0007A</small>	Rm R111, E. Wall	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-08-Mastic <small>321818968-0008</small>	Rm R128, Stairs by Seats	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-08-Baseboard <small>321818968-0008A</small>	Rm R128, Stairs by Seats	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-09-Mastic <small>321818968-0009</small>	Rm R112-4, W. Wall	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
<small>No Baseboard present for analysis</small>					
R-10 <small>321818968-0010</small>	Rm R108	Beige Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected

Initial report from: 08/25/2018 13:27:13



LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

<http://www.LATesting.com> / pasadenalab@lateesting.com

LA Testing Order: 321818968

Customer ID: CNVC42

Customer PO:

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
R-11 <i>321818968-0011</i>	Rm R108	Beige Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
R-12 <i>321818968-0012</i>	Rm R108 Air Handler Rm	Beige Non-Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
R-13 <i>321818968-0013</i>	Rm R108	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-14 <i>321818968-0014</i>	Rm R108	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-15 <i>321818968-0015</i>	Rm R108	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-16-Vinyl Sheet Flooring <i>321818968-0016</i>	Room 203	Brown Fibrous Heterogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
R-16-Mastic-1 <i>321818968-0016A</i>	Room 203	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-16-Leveling Compound <i>321818968-0016B</i>	Room 203	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-16-Mastic-2 <i>321818968-0016C</i>	Room 203	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-17-Vinyl Sheet Flooring <i>321818968-0017</i>	Room 203	Brown Non-Fibrous Heterogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
R-17-Mastic-1 <i>321818968-0017A</i>	Room 203	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-17-Leveling Compound <i>321818968-0017B</i>	Room 203	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-17-Mastic-2 <i>321818968-0017C</i>	Room 203	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-18-Vinyl Sheet Flooring <i>321818968-0018</i>	Room 203	Brown Non-Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
R-18-Mastic 1 <i>321818968-0018A</i> <i>No Mastic 2 present for analysis.</i>	Room 203	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-18-Leveling Compound <i>321818968-0018B</i>	Room 203	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-19-Mastic-1 <i>321818968-0019</i>	Room R300, Corridor, NE	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 08/25/2018 13:27:13



LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

<http://www.LATesting.com> / pasadenalab@latesting.com

LA Testing Order: 321818968

Customer ID: CNVC42

Customer PO:

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
R-19-Mastic-2 321818968-0019A	Room R300, Corridor, NE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-19-Texture 321818968-0019B	Room R300, Corridor, NE	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-20-Mastic-1 321818968-0020	Room R300, Corridor, S. Center	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-20-Mastic 321818968-0020A	Room R300, Corridor, S. Center	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-20-Texture 321818968-0020B	Room R300, Corridor, S. Center	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-21-Mastic 1 321818968-0021	Room R300, Corridor, SW	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-21-Mastic 2 321818968-0021A	Room R300, Corridor, SW	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-21-Texture 321818968-0021B	Room R300, Corridor, SW	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-22-Drywall 321818968-0022	Room R213	Brown/White Fibrous Heterogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
R-22-Joint Compound 321818968-0022A	Room R213	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-22-Texture 321818968-0022B	Room R213	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-23-Drywall 321818968-0023	Room R213	Brown/White Fibrous Heterogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
R-23-Joint Compound 321818968-0023A	Room R213	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-23-Texture 321818968-0023B	Room R213	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-24-Drywall 321818968-0024	Room R213	Brown/White Non-Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
R-24-Joint Compound 321818968-0024A	Room R213	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-24-Texture 321818968-0024B	Room R213	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-25-Drywall 321818968-0025	Room R326	Brown/White Fibrous Heterogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
R-25-Joint Compound 321818968-0025A	Room R326	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 08/25/2018 13:27:13



LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 321818968

Customer ID: CNVC42

Customer PO:

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
R-25-Texture 321818968-0025B	Room R326	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-26-Drywall 321818968-0026	Room R328	Brown/White Non-Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
R-26-Joint Compound 321818968-0026A	Room R328	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-27 321818968-0027	Room 408, Roof	Gray Fibrous Homogeneous	10% Cellulose 30% Glass	60% Non-fibrous (Other)	None Detected
R-28 321818968-0028	Room 408, Roof	Gray Fibrous Homogeneous	10% Cellulose 30% Glass	60% Non-fibrous (Other)	None Detected
R-29 321818968-0029	Room 408, Roof	Gray Non-Fibrous Homogeneous	10% Cellulose 30% Glass	60% Non-fibrous (Other)	None Detected
R-30 321818968-0030	Room R403, Roof	Black Non-Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
R-31 321818968-0031	Room R403, Roof	Black Non-Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
R-32 321818968-0032	Room R403, Roof	Gray/Black Non-Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
R-34 321818968-0033	Exterior, Roof-Mounted Ducting	White/Black Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
R-35 321818968-0034	Room R122-1, 1st Floor	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-36 321818968-0035	Room R122-1, 1st Floor	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
R-37 321818968-0036	Room R122-1, 1st Floor	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Humberto Espinoza (44)

Nahid Motamedi (21)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by LA Testing South Pasadena, CA NVLAP Lab Code 200232-0, CA ELAP 2283

Initial report from: 08/25/2018 13:27:13



Asbestos Chain of Custody

LA Testing Order Number (Lab Use Only):

3 2 1 8 1 8 9 6 8

LA TESTING
520 MISSION STREET
S. PASADENA, CA 91030
PHONE: (323) 254-9960
FAX: (323) 254-9982

Company : Converse Consultants		LA Testing-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different <small>If Bill to is Different note instructions in Comments**</small>	
Street: 3176 Pullman St, Suite 108		<i>Third Party Billing requires written authorization from third party</i>	
City: Costa Mesa	State/Province: CA	Zip/Postal Code: 92626	Country: USA
Report To (Name): Laura Tanaka		Fax #:	
Telephone #: (626) 807-3416		Email Address: Itanaka@converseconsultants.com	
Project Name/Number: 16-42-15807 RSCCD/Russel Hall			
Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email		Purchase Order: _____ U.S. State Samples Taken: _____	

Turnaround Time (TAT) Options* – Please Check

3 Hour
 6 Hour
 24 Hour
 48 Hour
 72 Hour
 96 Hour
 1 Week
 2 Week

*For TEM Air 3 hours through 6 hours, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with LA Testing's Terms and Conditions located in the Analytical Price Guide.

<p>PCM - Air</p> <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA <p>PLM - Bulk (reporting limit)</p> <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)	<p>TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only)</p> <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 <p>TEM - Bulk</p> <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 <p>TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking </p>	<p>TEM- Dust</p> <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) <p>Soil/Rock/Vermiculite</p> <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> EPA Protocol (Semi-Quantitative) <input type="checkbox"/> EPA Protocol (Quantitative) <p>Other:</p> <input type="checkbox"/>
---	---	--

Check For Positive Stop – Clearly Identify Homogenous Group

Samplers Name: _____	Samplers Signature: _____
----------------------	---------------------------

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	See Attached		

Client Sample # (s): _____	-	Total # of Samples: 37
Relinquished (Client): <i>[Signature]</i>	Date: 8/18/18	Time: 7:00pm
Received (Lab): <i>[Signature]</i>	Date: 8/19/18	Time: 9am (DB)
Comments/Special Instructions: _____		



Converse Consultants

#321818968

3176 Pullman Street
Suite 108
Costa Mesa, CA 92626
Tel.: (714) 444-9660
Fax: (714) 444-9640

BULK SAMPLE LOG

Project Name: RSCCD/Russell Hall

Collected By: GJP

Project No.: 16-42-158-07

Date: 8/18/18

HOMOGENEOUS MATERIAL: 9x9-in. Black VFT & Black Mastix

Sample Number	Location	Area Sq. Ft.	Condition
R-01	Room R122-1	~200	Good
R-02	↓	↓	↓
R-03	↓	↓	↓

Friability:
Potential for Contact with Material:
Influence of Vibration:
Potential for Air Erosion:
Damage Assessment:

Friable
High
High
High
Good

Non-Friable
Moderate
Moderate
Moderate
Damaged

Low
Low
Low
Significantly Damaged

COMMENTS: In Rm R122-1 only. 1 layer on concrete w/ Black Mastix

CHAIN OF CUSTODY

Relinquished By: [Signature] George Fuller
Received By: _____
Relinquished By: _____
Received By: _____

Time: 7:00 PM Date: 8/18/18
Time: _____ Date: _____
Time: _____ Date: _____
Time: _____ Date: _____



Converse Consultants #321818968

3176 Pullman Street
Suite 108
Costa Mesa, CA 92626
Tel.: (714) 444-9660
Fax: (714) 444-9640

BULK SAMPLE LOG

Project Name: RSCCD/Russell Hall

Collected By: GJP

Project No.: 16-42-158-07

Date: 8/15/18

HOMOGENEOUS MATERIAL: Pipe Elbow Insulation

Sample Number	Location	Area Sq. Ft.	Condition
R-04	R100W	~30	Good
R-05	↓	↓	↓
R-06	↓	↓	↓

Friability:
Potential for Contact with Material:
Influence of Vibration:
Potential for Air Erosion:
Damage Assessment:

Friable
High
High
High
Good

Non-Friable
Moderate
Moderate
Moderate
Damaged

Low
Low
Low
Significantly Damaged

COMMENTS: Approx 1" diameter metal pipes above suspended ceilings in classrooms, corridors & offices - 1st Flr. Elbows ~ 2" in diameter. Pipe run insulation is non-suspect FG.

CHAIN OF CUSTODY

Relinquished By: [Signature]
Received By: George Pulte
Relinquished By: _____
Received By: _____

Time: 7:00 PM Date: 8/15/18
Time: _____ Date: _____
Time: _____ Date: _____
Time: _____ Date: _____



Converse Consultants

#321818968

3176 Pullman Street
Suite 108
Costa Mesa, CA 92626
Tel.: (714) 444-9660
Fax: (714) 444-9640

BULK SAMPLE LOG

Project Name: RSCCD/Russell Hall

Collected By: GJP

Project No.: 16-42-158-07

Date: 8/15/18

HOMOGENEOUS MATERIAL: Brown Baseboard material ass. w Cream/Grey Baseboard vinyl

Sample Number	Location	Area Sq. Ft.	Condition
R-07	Rm R111, E. wall	~1,000	Good
R-08	Rm R128, stairs by seats	↓	↓
R-09	Rm R112-4, W. wall	↓	↓

Friability:
Potential for Contact with Material:
Influence of Vibration:
Potential for Air Erosion:
Damage Assessment:

Friable
High
High
High
Good

Non-Friable
Moderate
Moderate
Moderate
Damaged

Low
Low
Low
Significantly Damaged

COMMENTS: Observed in Rms R-111, 109, 109-1, 128, 112e
112-4, 126, 124, 114

CHAIN OF CUSTODY

Relinquished By: [Signature]
Received By: George Fisher
Relinquished By: _____
Received By: _____

Time: 7:00pm Date: 8/18/18
Time: _____ Date: _____
Time: _____ Date: _____
Time: _____ Date: _____



Converse Consultants #321818968

3176 Pullman Street
 Suite 108
 Costa Mesa, CA 92626
 Tel.: (714) 444-9660
 Fax: (714) 444-9640

BULK SAMPLE LOG

Project Name: RSCCD/Russell Hall

Collected By: GJP

Project No.: 16-42-158-07

Date: 8/15/18

HOMOGENEOUS MATERIAL: HVAC Duct Joint Tape

Sample Number	Location	Area Sq. Ft.	Condition
R-10	Rm R108	~200	Good
R-11	↓ Air Handler Rm	↓	↓
R-12			

Friability: Non-Friable
Potential for Contact with Material: Low
Influence of Vibration: Low
Potential for Air Erosion: Low
Damage Assessment: Good

COMMENTS: Observed in Mechanical Rm at Mezzanine
on exposed metal ducting

CHAIN OF CUSTODY

Relinquished By: [Signature] Time: 7:30pm Date: 8/18/18
 Received By: _____ Time: _____ Date: _____
 Relinquished By: _____ Time: _____ Date: _____
 Received By: _____ Time: _____ Date: _____



Converse Consultants

#321818968

3176 Pullman Street
Suite 108
Costa Mesa, CA 92626
Tel.: (714) 444-9660
Fax: (714) 444-9640

BULK SAMPLE LOG

Project Name: RSCCD/Russell Hall

Collected By: GJP

Project No.: 16-42-158-07

Date: 8/15/18

HOMOGENEOUS MATERIAL: Black, elastic, tar-like Pipe Insulation

Sample Number	Location	Area Sq. Ft.	Condition
R-13	Rm R108	~10 ft	Good
R-14	↓	↓	↓
R-15	↓	↓	↓

Friability:
Potential for Contact with Material:
Influence of Vibration:
Potential for Air Erosion:
Damage Assessment:

Friable
High
High
High
Good

Non-Friable
Moderate
Moderate
Moderate
Damaged

Low
Low
Low
Significantly Damaged

COMMENTS: _____

CHAIN OF CUSTODY

Relinquished By: [Signature] George Parker Time: 7:00 PM Date: 8/18/18
Received By: _____ Time: _____ Date: _____
Relinquished By: _____ Time: _____ Date: _____
Received By: _____ Time: _____ Date: _____



Converse Consultants

#321818968

3176 Pullman Street
Suite 108
Costa Mesa, CA 92626
Tel.: (714) 444-9660
Fax: (714) 444-9640

BULK SAMPLE LOG

Project Name: RSCCD/Russell Hall

Collected By: GJP

Project No.: 16-42-158-07

Date: 8/18/18

HOMOGENEOUS MATERIAL: Brown, Marble Swirl Pattern VSF

Sample Number	Location	Area Sq. Ft.	Condition
R-16	Room 203	~248 480 GJP	Good
R-17	↓	↓	↓
R-18	↓	↓	↓

Friability:
Potential for Contact with Material:
Influence of Vibration:
Potential for Air Erosion:
Damage Assessment:

Friable	Non-Friable
High	Moderate
High	Moderate
High	Moderate
Good	Damaged

Low
Low
Low
Significantly Damaged

COMMENTS: Rooms 203 and 207

CHAIN OF CUSTODY

Relinquished By: [Signature] Time: 7:50pm Date: 8/18/18
 Received By: _____ Time: _____ Date: _____
 Relinquished By: _____ Time: _____ Date: _____
 Received By: _____ Time: _____ Date: _____



Converse Consultants #321818968

3176 Pullman Street
Suite 108
Costa Mesa, CA 92626
Tel.: (714) 444-9660
Fax: (714) 444-9640

BULK SAMPLE LOG

Project Name: RSCCD/Russell Hall

Collected By: GJP

Project No.: 16-42-158-07

Date: 8/18/18

HOMOGENEOUS MATERIAL: Brown Mastix ass. Grey vinyl Baseboard

Sample Number	Location	Area Sq. Ft.	Condition
R-19	Room R300, Corridor, NE	~150	Good
R-20	↓ ↓ ↓, S. Center	↓	↓
R-21	↓ ↓ ↓, SW	↓	↓

Friability:
Potential for Contact with Material:
Influence of Vibration:
Potential for Air Erosion:
Damage Assessment:

Friable
High
High
High
Good

Non-Friable
Moderate
Moderate
Moderate
Damaged

Low
Low
Low
Significantly Damaged

COMMENTS: _____

CHAIN OF CUSTODY

Relinquished By: George Pater Time: 7:00pm Date: 8/18/18
Received By: _____ Time: _____ Date: _____
Relinquished By: _____ Time: _____ Date: _____
Received By: _____ Time: _____ Date: _____



Converse Consultants

#321818968

3176 Pullman Street
Suite 108
Costa Mesa, CA 92626
Tel.: (714) 444-9660
Fax: (714) 444-9640

BULK SAMPLE LOG

Project Name: RSCCD/Russell Hall

Collected By: GJP

Project No.: 16-42-158-07

Date: 8/18/18

HOMOGENEOUS MATERIAL: Dry Wall/Joint compound

Sample Number	Location	Area Sq. Ft.	Condition
R-22	Room R213	~1,400	Good
R-23	↓	↓	↓
R-24			
R-25			
R-26	Room R32b	↓	↓
R-27	Room R32b		

Friability:
Potential for Contact with Material:
Influence of Vibration:
Potential for Air Erosion:
Damage Assessment:

Friable
High
High
High
Good

Non-Friable
Moderate
Moderate
Moderate
Damaged

Low
Low
Low
Significantly Damaged

COMMENTS: Approx. 400 SF on 2nd Floor (Rm 213)
1,000 SF on 3rd Floor (Rms 32b & 32c)

CHAIN OF CUSTODY

Relinquished By: [Signature] George Puler Time: 7:00pm Date: 8/18/18
 Received By: _____ Time: _____ Date: _____
 Relinquished By: _____ Time: _____ Date: _____
 Received By: _____ Time: _____ Date: _____



Converse Consultants

#321818968

3176 Pullman Street
Suite 108
Costa Mesa, CA 92626
Tel.: (714) 444-9660
Fax: (714) 444-9640

BULK SAMPLE LOG

Project Name: RSCCD/Russell Hall

Collected By: GJP

Project No.: 16-42-158-07

Date: 8/18/18

HOMOGENEOUS MATERIAL: Pipe Elbow Insulation

Sample Number	Location	Area Sq. Ft.	Condition
R-27	Room 408, Roof	~12	Good
R-28	↓	↓	↓
R-29	↓	↓	↓

Friability:
Potential for Contact with Material:
Influence of Vibration:
Potential for Air Erosion:
Damage Assessment:

Friable
High
High
High
Good

Non-Friable
Moderate
Moderate
Moderate
Damaged

Low
Low
Low
Significantly Damaged

COMMENTS: Room 408 on Roof, W. side

Hard elbows, ~1" diameter pipe. Pipe run insulation is non-suspect FG. 1 elbow w/ exposed insulation

CHAIN OF CUSTODY

Relinquished By: [Signature] George Peter Time: 7:00pm Date: 8/18/18

Received By: _____ Time: _____ Date: _____

Relinquished By: _____ Time: _____ Date: _____

Received By: _____ Time: _____ Date: _____



Converse Consultants #321818968

3176 Pullman Street
Suite 108
Costa Mesa, CA 92626
Tel.: (714) 444-9660
Fax: (714) 444-9640

BULK SAMPLE LOG

Project Name: RSCCD/Russell Hall

Collected By: GJP

Project No.: 16-42-158-07

Date: 8/18/18

HOMOGENEOUS MATERIAL: HVAC Duct Joint compound

Sample Number	Location	Area Sq. Ft.	Condition
R-30	Room R403, Roof	~1,000	Good
R-31			
R-32			

Friability:
Potential for Contact with Material:
Influence of Vibration:
Potential for Air Erosion:
Damage Assessment:

Friable
High
High
High
Good

Non-Friable
Moderate
Moderate
Moderate
Damaged

Low
Low
Low
Significantly Damaged

COMMENTS: _____

CHAIN OF CUSTODY

Relinquished By: George Pater
Received By: _____
Relinquished By: _____
Received By: _____

Time: 7:00pm Date: 8/18/18
Time: _____ Date: _____
Time: _____ Date: _____
Time: _____ Date: _____



Converse Consultants

#321818968

3176 Pullman Street
Suite 108
Costa Mesa, CA 92626
Tel.: (714) 444-9660
Fax: (714) 444-9640

BULK SAMPLE LOG

Project Name: RSCCD/Russell Hall

Collected By: GJP

Project No.: 16-42-158-07

Date: 8/18/18

HOMOGENEOUS MATERIAL: HVAC Duct Joint compound

Sample Number	Location	Area Sq. Ft.	Condition
R-34	Exterior, Roof-mounted ducting		

Friability:
Potential for Contact with Material:
Influence of Vibration:
Potential for Air Erosion:
Damage Assessment:

Friable
High
High
High
Good

Non-Friable
Moderate
Moderate
Moderate
Damaged

Low
Low
Low
Significantly Damaged

COMMENTS: Verification sample

Appears to be the same as on ducting in Room 403 just painted white

Other Duct joint compound on exterior ducting at supports appears to be FG compound.

CHAIN OF CUSTODY

Relinquished By: [Signature] George Fisher Time: 7:07pm Date: 8/18/18
 Received By: _____ Time: _____ Date: _____
 Relinquished By: _____ Time: _____ Date: _____
 Received By: _____ Time: _____ Date: _____



Converse Consultants

#321818968

3176 Pullman Street
Suite 108
Costa Mesa, CA 92626
Tel.: (714) 444-9660
Fax: (714) 444-9640

BULK SAMPLE LOG

Project Name: RSCCD/Russell Hall

Collected By: GJP

Project No.: 16-42-158-07

Date: 8/18/18

HOMOGENEOUS MATERIAL: Brown mastic ass. w/ black vinyl baseboard

Sample Number	Location	Area Sq. Ft.	Condition
R-35	Room R122-1, 1st Floor	~50	Good
R-36	↓	↓	↓
R-37	↓	↓	↓

Friability:
Potential for Contact with Material:
Influence of Vibration:
Potential for Air Erosion:
Damage Assessment:

Friable
High
High
High
Good

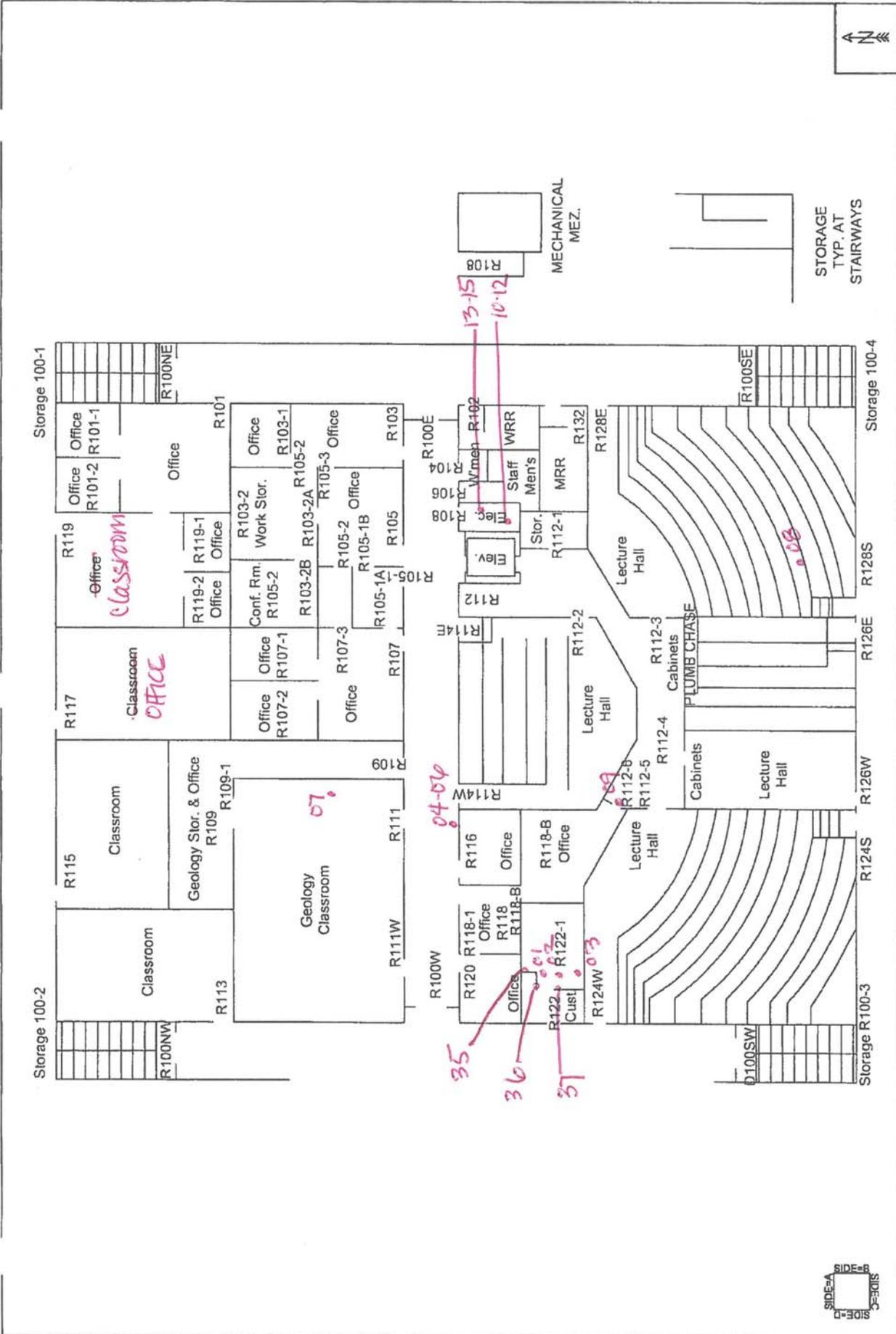
Non-Friable
Moderate
Moderate
Moderate
Damaged

Low
Low
Low
Significantly Damaged

COMMENTS: In this room only on 1st Floor.

CHAIN OF CUSTODY

Relinquished By: [Signature] Time: 7:00pm Date: 8/18/18
 Received By: _____ Time: _____ Date: _____
 Relinquished By: _____ Time: _____ Date: _____
 Received By: _____ Time: _____ Date: _____

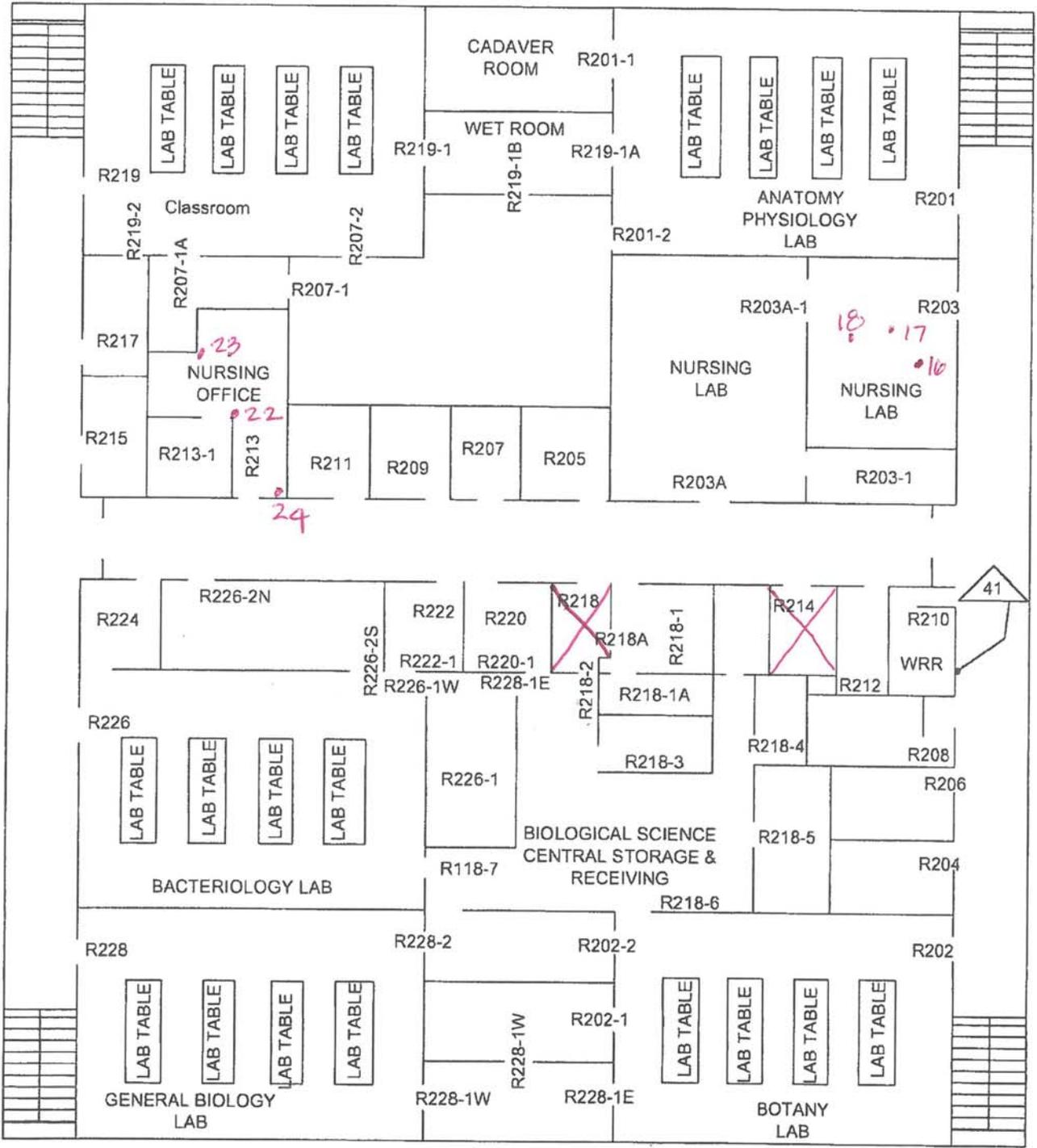


Client: Rancho Santiago Community College Project #: 14-42-158-07 A5B SAMPLE LOCATION MAP

Site: Santa Ana College - Bldg. R (Russel Hall), 1st Floor
 Address: 1530 W. 17th Street
 Santa Ana, California 92706

HEALTH & SAFETY SIMPLIFIED
 (Reference Map)

Drawing Not to Scale - ©2012

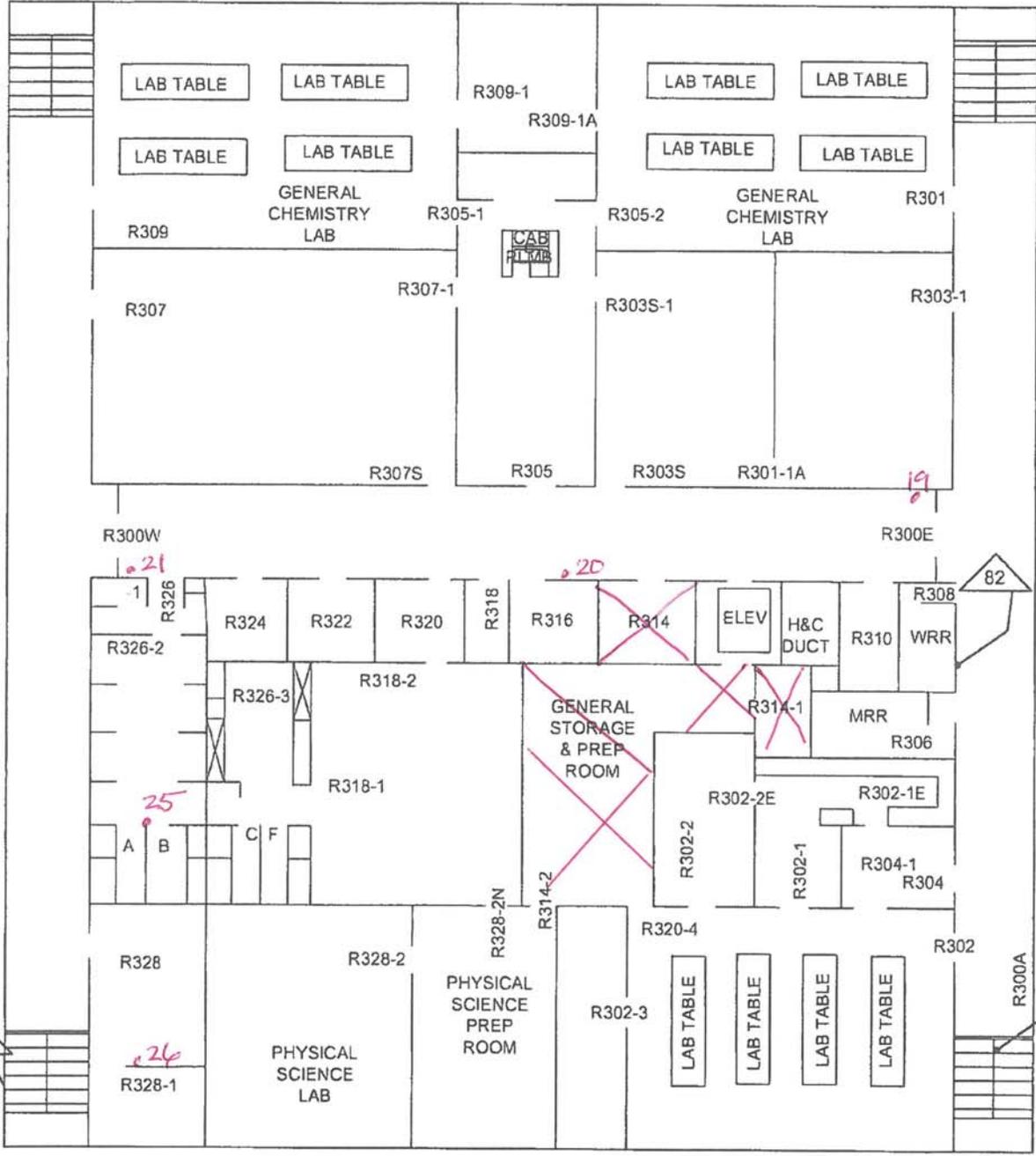


X: NO ACCESS



ASB

Client: Rancho Santiago Community College	Project#: 16-42-158-07	ASB SAMPLE LOCATION MAP
 EXECUTIVE ENVIRONMENTAL HEALTH & SAFETY SIMPLIFIED <i>(reference map)</i>		Site: Santa Ana College - Bldg. R (Russel Hall), 2nd Floor Address: 1530 West 17th Street Santa Ana, California 92706 <small>Doc. # 49-101-13-04-2017</small>



X: NO ACCESS



Client: Rancho Santiago Community College

Project: 14-42-158-07

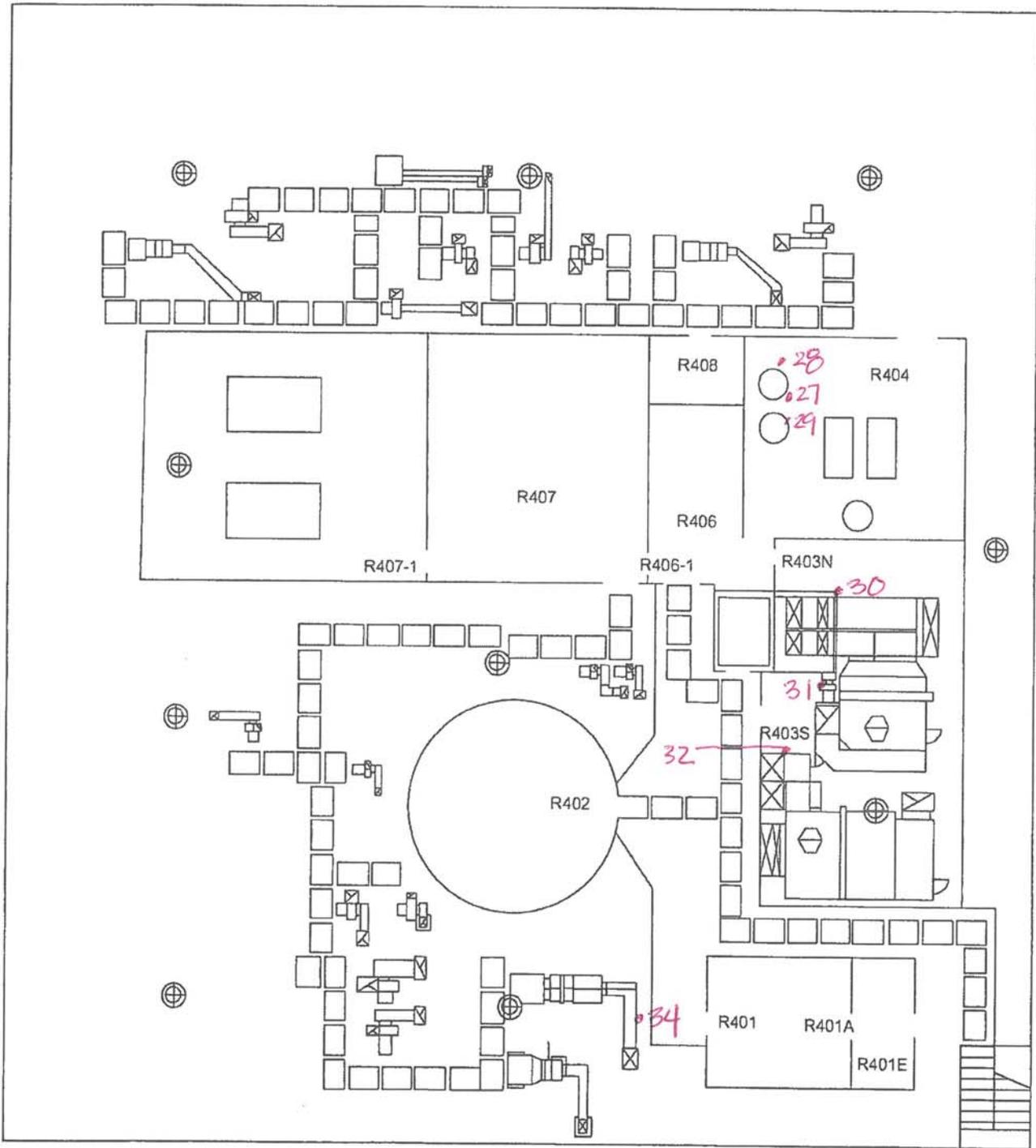
ASB SAMPLE LOCATION MAP



EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED
(Reference Map)

Site: Santa Ana College - Bldg. R (Russel Hall), 3rd Floor
Address: 1530 West 17th Street
Santa Ana, California 92706

Drawing Not to Scale - 1/2012



SIDE-A
SIDE-B
SIDE-C
SIDE-D



Client: Rancho Santiago Community College

Project#: 14-42-158-07 ASB SAMPLE LOCATION MAP



EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Site: Santa Ana College - Bldg. R (Russel Hall), 4th Floor / Roof
Address: 1530 West 17th Street
Santa Ana, California 92706

Drawing Not to Scale - 2012

XRF Summary Log
Santa Ana College - Russell Hall
August 15 and 18, 2018

Reading No.	Time	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC
1	8/15/2018 11:27									5.48
2	8/15/2018 11:29			CALIBRATE					Positive	1.1
3	8/15/2018 11:29			CALIBRATE					Positive	1.1
4	8/15/2018 11:29			CALIBRATE					Positive	1.1
5	8/15/2018 12:16	WALL	DRYWALL	SOUTH	INTACT	WHITE	FIRST		Negative	0
6	8/15/2018 12:17	WINDOW FRAME	METAL	SOUTH	INTACT	TAN	FIRST		Negative	0.28
7	8/15/2018 12:18	DOOR	WOOD	SOUTH	INTACT	TAN	FIRST		Negative	0.21
8	8/15/2018 12:18	BULLETIN BOARD	WOOD	WEST	INTACT	TAN	FIRST		Negative	0
9	8/15/2018 12:19	CABINET	METAL	WEST	INTACT	TAN	FIRST		Negative	0
10	8/15/2018 12:20	DOOR FRAME	METAL	WEST	INTACT	TAN	FIRST		Negative	0.28
11	8/15/2018 12:20	DOOR	WOOD	WEST	INTACT	TAN	FIRST		Negative	0.17
12	8/15/2018 12:21	WALL	PLASTER	EAST	INTACT	WHITE	FIRST		Negative	0
13	8/15/2018 12:22	LOWER WALL PANEL	WOOD	EAST	INTACT	WHITE	FIRST		Negative	0
14	8/15/2018 12:26	WALL	DRYWALL	NORTH	INTACT	WHITE	FIRST	R103-1	Negative	0
15	8/15/2018 12:42	CABINET	WOOD	WEST	INTACT	GRAY	FIRST	R103-2	Negative	0
16	8/15/2018 12:42	DOOR	WOOD	WEST	INTACT	GRAY	FIRST	R103-2	Negative	0
17	8/15/2018 12:43	DOOR FRAME	METAL	WEST	INTACT	GRAY	FIRST	R103-2	Negative	0.07
18	8/15/2018 12:44	SINK	CERAMIC	NORTH	INTACT	WHITE	FIRST	R103-2	Positive	38.1
19	8/15/2018 12:44	WALL	PLASTER	SOUTH	INTACT	GRAY	FIRST	R103-2	Negative	0
20	8/15/2018 12:52	WALL	WOOD	NORTH	INTACT	GRAY	FIRST	R105-2	Negative	0
21	8/15/2018 12:52	CABINET	WOOD	WEST	INTACT	GRAY	FIRST	R105-2	Negative	0
22	8/15/2018 12:53	WALL	WOOD	SOUTH	INTACT	GRAY	FIRST	R105-2	Negative	0
23	8/15/2018 12:54	DOOR	WOOD	EAST	INTACT	VARNISH	FIRST	R105-2	Negative	0
24	8/15/2018 12:55	CEILING	CELLULOSE		INTACT	GRAY	FIRST	R105-2	Negative	-0.09
25	8/15/2018 12:55	CEILING	CELLULOSE		INTACT	GRAY	FIRST	R105-2	Negative	0
26	8/15/2018 12:56	CEILING T-BAR	METAL		INTACT	GRAY	FIRST	R105-2	Negative	0
27	8/15/2018 12:56	CEILING VENT	METAL		FAIR	GRAY	FIRST	R105-2	Negative	0
28	8/15/2018 13:05	WALL	PLASTER	SOUTH	INTACT	GRAY	FIRST	R105	Negative	0
29	8/15/2018 13:06	DOOR FRAME	METAL	SOUTH	INTACT	GRAY	FIRST	R105	Negative	0
30	8/15/2018 13:06	WALL	DRYWALL	WEST	INTACT	GRAY	FIRST	R105	Negative	0
31	8/15/2018 13:07	WALL	FIBERBOARD	NORTH	INTACT	GRAY	FIRST	R105	Negative	0
32	8/15/2018 13:28	WALL	WOOD	NORTH	INTACT	RED-BROWN	FIRST	R105-1A	Negative	0
33	8/15/2018 13:30	WALL	DRYWALL	WEST	INTACT	RED-BROWN	FIRST	R105-1A	Negative	0
34	8/15/2018 13:31	WINDOW FRAME	METAL	SOUTH	INTACT	GRAY	FIRST	R105-1A	Negative	0.02
35	8/15/2018 13:52	WALL	DRYWALL	EAST	INTACT	GRAY	FIRST	R107	Negative	0
36	8/15/2018 13:53	DOOR FRAME	METAL	SOUTH	INTACT	BLUE	FIRST	R107	Negative	0.4
37	8/15/2018 13:54	WALL	PLASTER	SOUTH	INTACT	BLUE	FIRST	R107	Negative	0

XRF Summary Log
Santa Ana College - Russell Hall
August 15 and 18, 2018

Reading No.	Time	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC
38	8/15/2018 13:56	DOOR	WOOD	EAST	INTACT	BLUE	FIRST	R107	Negative	0
39	8/15/2018 13:56	WINDOW FRAME	METAL	SOUTH	INTACT	BLUE	FIRST	R107	Negative	0.06
40	8/15/2018 13:57	WALL	DRYWALL	NORTH	INTACT	GRAY	FIRST	R107	Negative	0
41	8/15/2018 13:58	WALL	DRYWALL	WEST	INTACT	GRAY	FIRST	R107-1	Negative	0
42	8/15/2018 13:59	WALL	DRYWALL	NORTH	INTACT	BROWN	FIRST	R107-1	Negative	0
43	8/15/2018 14:52	WALL	PLASTER	NORTH	INTACT	GRAY	FIRST	R111	Negative	0
44	8/15/2018 14:53	WALL	FIBERBOARD	NORTH	INTACT	GRAY	FIRST	R111	Negative	0
45	8/15/2018 14:56	DOOR FRAME	METAL	NORTH	INTACT	GRAY	FIRST	R111	Negative	0.4
46	8/15/2018 16:30	WALL	PLASTER	NORTH	INTACT	BEIGE	FIRST	R109-1	Negative	0
47	8/15/2018 16:30	CEILING	WOOD	CENTER	INTACT	BEIGE	FIRST	R109-1	Negative	0.06
48	8/15/2018 16:31	CABINET	WOOD	EAST	INTACT	GREEN	FIRST	R109	Negative	0.22
49	8/15/2018 16:32	WALL	PLASTER	WEST	INTACT	BEIGE	FIRST	R109	Negative	0
50	8/15/2018 17:09	WALL	PLASTER	NORTH	INTACT	WHITE	FIRST	R113	Negative	0
51	8/15/2018 17:19	WALL	PLASTER	SOUTH	INTACT	BEIGE	FIRST	R115	Negative	0
52	8/15/2018 17:20	WALL PANEL	CONCRETE	SOUTH	INTACT	BEIGE	FIRST	R115	Negative	0
53	8/15/2018 17:20	DOOR	WOOD	SOUTH	INTACT	BROWN	FIRST	R115	Negative	0.2
54	8/15/2018 17:21	WALL	DRYWALL	EAST	INTACT	BEIGE	FIRST	R115	Negative	0
55	8/15/2018 17:22	DOOR	WOOD	EAST	INTACT	TAN	FIRST	R115	Negative	0
56	8/15/2018 17:30	WALL	PLASTER	EAST	INTACT	BEIGE	FIRST	R115	Negative	0
57	8/15/2018 17:32	WALL	PLASTER	SOUTH	INTACT	BEIGE	FIRST	R117	Negative	0.01
58	8/15/2018 17:42	WALL	PLASTER	WEST	INTACT	WHITE	FIRST	R119	Negative	0
59	8/15/2018 18:10	WALL	PLASTER	SOUTH	INTACT	BLUE	FIRST	R128	Negative	0
60	8/15/2018 18:10	WALL	PLASTER	EAST	INTACT	LT BROWN	FIRST	R128	Negative	0.01
61	8/15/2018 18:11	WALL	PLASTER	EAST	INTACT	BEIGE	FIRST	R128	Negative	0.06
62	8/15/2018 18:12	WALL PANEL	PLASTER	EAST	PEELING	BROWN	FIRST	R128	Negative	-0.61
63	8/15/2018 18:12	WALL PANEL	PLASTER	EAST	PEELING	BROWN	FIRST	R128	Negative	0.01
64	8/15/2018 18:13	DOOR	METAL	EAST	FAIR	BROWN	FIRST	R128	Negative	0.4
65	8/15/2018 18:13	CHALKBOARD	METAL	NORTH	INTACT	GREEN	FIRST	R128	Negative	0.09
66	8/15/2018 18:44	WALL	PLASTER	NORTH	INTACT	DK BEIGE	FIRST	R112-4	Negative	0
67	8/15/2018 18:45	CABINET	WOOD	SOUTH	INTACT	GREEN	FIRST	R112-4	Negative	0.06
68	8/15/2018 18:45	WALL	PLASTER	SOUTH	INTACT	BEIGE	FIRST	R112-4	Negative	0
69	8/15/2018 18:46	DOOR FRAME	METAL	SOUTH	INTACT	BEIGE	FIRST	R112-4	Negative	0.5
70	8/15/2018 18:46	DOOR	WOOD	SOUTH	INTACT	VARNISH	FIRST	R112-4	Negative	0.01
71	8/15/2018 19:13	WALL	PLASTER	NORTH	INTACT	AQUA	FIRST	R126	Negative	0.06
72	8/15/2018 19:35	CHALKBOARD	METAL	NORTH	INTACT	GREEN	FIRST	R124	Negative	0.07
73	8/15/2018 20:09	FLOOR	CONCRETE	SOUTH	INTACT	BEIGE	FIRST	R108	Negative	0
74	8/15/2018 20:10	LADDER	METAL	EAST	INTACT	BROWN	FIRST	R108	Positive	2.7

XRF Summary Log
Santa Ana College - Russell Hall
August 15 and 18, 2018

Reading No.	Time	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC
75	8/15/2018 20:17	CEILING	PLASTER		INTACT	WHITE	FIRST	R104	Negative	0.11
76	8/15/2018 20:18	WALL	PLASTER	SOUTH	INTACT	WHITE	FIRST	R104	Negative	0.06
77	8/15/2018 20:19	WALL TILE	CERAMIC TILE	SOUTH	INTACT	GREEN	FIRST	R104	Positive	12.2
78	8/15/2018 20:19	SINK	CERAMIC	EAST	INTACT	WHITE	FIRST	R104	Negative	0
79	8/15/2018 20:20	TOILET	CERAMIC	EAST	INTACT	WHITE	FIRST	R104	Positive	10.1
80	8/15/2018 20:21	FLOOR	CERAMIC		INTACT	TAN	FIRST	R104	Negative	0
81	8/15/2018 20:43			CALIBRATE					Positive	1.6
82	8/15/2018 20:43			CALIBRATE					Positive	1.1
83	8/15/2018 20:44			CALIBRATE					Negative	0.9
84	8/15/2018 20:44			CALIBRATE					Positive	1
85	8/16/2018 18:48									5.38
86	8/16/2018 19:01			CALIBRATE					Positive	1
87	8/16/2018 19:01			CALIBRATE					Negative	0.9
88	8/16/2018 19:01			CALIBRATE					Negative	0.9
89	8/16/2018 19:12	WALL	PLASTER	SOUTH	INTACT	BEIGE	FIRST	R100	Negative	0.29
90	8/16/2018 19:13	BASEBOARD	WOOD	SOUTH	INTACT	GRAY	FIRST	R100	Negative	0
91	8/16/2018 19:13	DISPLAY CASE	WOOD	SOUTH	INTACT	GRAY	FIRST	R100	Negative	0
92	8/16/2018 19:16	WALL	CERAMIC TILE	NORTH	INTACT	WHITE	FIRST	R132	Negative	0
93	8/16/2018 19:16	WALL	CERAMIC TILE	NORTH	INTACT	BLUE	FIRST	R132	Positive	2.2
94	8/16/2018 19:17	BASEBOARD	CERAMIC TILE	NORTH	INTACT	GRAY	FIRST	R132	Negative	0.01
95	8/16/2018 19:18	SINK	CERAMIC	NORTH	INTACT	WHITE	FIRST	R132	Negative	0
96	8/16/2018 19:18	URINAL	CERAMIC	NORTH	INTACT	WHITE	FIRST	R132	Negative	0.01
97	8/16/2018 19:19	TOILET	CERAMIC	NORTH	INTACT	WHITE	FIRST	R132	Negative	0.01
98	8/16/2018 19:20	FLOOR	CERAMIC		INTACT	GRAY	FIRST	R132	Negative	0.01
99	8/16/2018 19:20	CEILING	PLASTER		INTACT	WHITE	FIRST	R132	Negative	0.07
100	8/16/2018 19:21	DOOR	METAL	EAST	INTACT	BROWN	FIRST	R132	Negative	0.22
101	8/16/2018 19:22	DOOR FRAME	METAL	EAST	FAIR	BROWN	FIRST	R132	Negative	0.19
102	8/16/2018 19:40	WALL	CERAMIC TILE	NORTH	INTACT	GRAY	FIRST	R102	Positive	10.1
103	8/16/2018 19:41	WALL	CERAMIC TILE	EAST	INTACT	WHITE	FIRST	R102	Positive	7.2
104	8/16/2018 19:41	STALLS	METAL	EAST	INTACT	GRAY	FIRST	R102	Negative	0
105	8/16/2018 19:42	TOILET	CERAMIC	EAST	INTACT	WHITE	FIRST	R102	Negative	0
106	8/16/2018 19:43	FLOOR	CERAMIC		INTACT	GRAY	FIRST	R102	Negative	0.01
107	8/16/2018 19:43	DOOR	METAL	EAST	INTACT	GRAY	FIRST	R102	Negative	0.4
108	8/16/2018 19:44	DOOR FRAME	METAL	EAST	INTACT	GRAY	FIRST	R102	Negative	0.4
109	8/16/2018 19:50	WALL	CERAMIC TILE	SOUTH	INTACT	PINK	FIRST	R106	Positive	7.7
110	8/16/2018 19:51	SINK	CERAMIC	EAST	INTACT	WHITE	FIRST	R106	Negative	0.01
111	8/16/2018 19:51	URINAL	CERAMIC	EAST	INTACT	WHITE	FIRST	R106	Positive	3.3

XRF Summary Log
Santa Ana College - Russell Hall
August 15 and 18, 2018

Reading No.	Time	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC
112	8/16/2018 19:52	TOILET	CERAMIC	EAST	INTACT	WHITE	FIRST	R106	Positive	8.1
113	8/16/2018 19:52	STALL	METAL	EAST	INTACT	WHITE	FIRST	R106	Negative	0.03
114	8/16/2018 20:02	WALL	PLASTER	SOUTH	INTACT	DK RED	FIRST	R116	Negative	0
115	8/16/2018 20:18	WALL	PLASTER	EAST	INTACT	DK BLUE	FIRST	R118	Negative	0
116	8/16/2018 20:18	DOOR	PLASTER	EAST	INTACT	DK BLUE	FIRST	R118	Negative	0.01
117	8/16/2018 20:19	DOOR FRAME	METAL	EAST	INTACT	DK BLUE	FIRST	R118	Negative	0.05
118	8/16/2018 20:19	WEST	PLASTER	WEST	INTACT	LT BLUE	FIRST	R118	Negative	0
119	8/16/2018 20:21	DOOR FRAME	WOOD	NORTH	FAIR	DK BLUE	FIRST	R118	Negative	0
120	8/16/2018 20:40			CALIBRATE					Positive	1
121	8/16/2018 20:40			CALIBRATE					Positive	1.1
122	8/16/2018 20:40			CALIBRATE					Positive	1
123	8/18/2018 11:41									5.54
124	8/18/2018 11:42			CALIBRATE					Positive	1
125	8/18/2018 11:43			CALIBRATE					Positive	1.1
126	8/18/2018 11:43			CALIBRATE					Positive	1.1
127	8/18/2018 11:45	WALL	CERAMIC TILE	NORTH	INTACT	GREEN	SECOND	R206	Positive	7.2
128	8/18/2018 11:45	WALL	CERAMIC TILE	NORTH	INTACT	WHITE	SECOND	R206	Negative	0.04
129	8/18/2018 11:46	SINK	CERAMIC	NORTH	INTACT	WHITE	SECOND	R206	Positive	10.1
130	8/18/2018 11:46	URINAL	CERAMIC	NORTH	INTACT	WHITE	SECOND	R206	Negative	0.05
131	8/18/2018 11:47	TOILET	CERAMIC	NORTH	INTACT	WHITE	SECOND	R206	Negative	0
132	8/18/2018 11:47	CEILING	PLASTER		INTACT	WHITE	SECOND	R206	Negative	0.07
133	8/18/2018 11:48	FLOOR	CERAMIC		INTACT	GRAY	SECOND	R206	Negative	0
134	8/18/2018 11:49	UPPER WALL	PLASTER	SOUTH	INTACT	WHITE	SECOND	R206	Negative	0.09
135	8/18/2018 11:49	STALL	METAL	WEST	INTACT	YELLOW	SECOND	R206	Negative	0
136	8/18/2018 11:51	WALL	CERAMIC TILE	WEST	INTACT	PINK	SECOND	R210	Positive	7.4
137	8/18/2018 11:52	SINK	CERAMIC	EAST	INTACT	WHITE	SECOND	R210	Positive	5.5
138	8/18/2018 11:52	TOILET	CERAMIC	EAST	INTACT	WHITE	SECOND	R210	Negative	0
139	8/18/2018 11:53	FLOOR	CERAMIC		INTACT	BROWN	SECOND	R210	Negative	0.01
140	8/18/2018 11:58	WALL PANEL	CONCRETE	EAST	INTACT	GRAY	SECOND	R200	Negative	0
141	8/18/2018 11:59	DISPLAY CASE	WOOD	NORTH	INTACT	GRAY	SECOND	R200	Negative	0
142	8/18/2018 11:59	WALL	PLASTER	NORTH	INTACT	LT GRAY	SECOND	R200	Negative	0.07
143	8/18/2018 12:00	DOOR FRAME	METAL	NORTH	INTACT	GRAY	SECOND	R200	Negative	0.18
144	8/18/2018 12:01	DOOR	WOOD	NORTH	INTACT	VARNISH	SECOND	R200	Negative	0
145	8/18/2018 12:03	WALL	PLASTER	WEST	INTACT	GRAY	SECOND	R212	Negative	0
146	8/18/2018 12:03	BASEBOARD	WOOD	NORTH	INTACT	GRAY	SECOND	R212	Negative	0.02
147	8/18/2018 12:04	DOOR FRAME	METAL	NORTH	INTACT	GRAY	SECOND	R212	Negative	0.3
148	8/18/2018 12:04	FLOOR	CONCRETE		INTACT	GREEN	SECOND	R212	Negative	0

XRF Summary Log
Santa Ana College - Russell Hall
August 15 and 18, 2018

Reading No.	Time	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC
149	8/18/2018 12:05	CEILING	PLASTER		INTACT	GRAY	SECOND	R212	Negative	0
150	8/18/2018 12:07	WALL	DRYWALL	WEST	INTACT	GRAY	SECOND	R214	Negative	0
151	8/18/2018 12:09	DOOR	WOOD	NORTH	INTACT	WHITE	SECOND	R218-1A	Negative	0
152	8/18/2018 12:09	WALL	DRYWALL	SOUTH	INTACT	BEIGE	SECOND	R218-1A	Negative	0
153	8/18/2018 12:10	CABINET	WOOD	WEST	INTACT	GREEN	SECOND	R218	Negative	0.11
154	8/18/2018 12:20	WALL	PLASTER	SOUTH	INTACT	BEIGE	SECOND	R218	Negative	0
155	8/18/2018 12:23	WALL	PLASTER	SOUTH	INTACT	BEIGE	SECOND	R202	Negative	0
156	8/18/2018 12:24	WALL	PLASTER	EAST	INTACT	BEIGE	SECOND	R202	Negative	0
157	8/18/2018 12:25	DOOR FRAME	METAL	NORTH	INTACT	BEIGE	SECOND	R202	Negative	0.27
158	8/18/2018 12:27	WALL	PLASTER	WEST	INTACT	GREEN	SECOND	R228-1	Negative	0.03
159	8/18/2018 12:28	DOOR FRAME	METAL	WEST	INTACT	GREEN	SECOND	R228-1	Negative	0.5
160	8/18/2018 12:31	WALL	PLASTER	WEST	INTACT	BEIGE	SECOND	R228	Negative	0
161	8/18/2018 12:32	DOOR	WOOD	WEST	INTACT	BROWN	SECOND	R228	Negative	0.29
162	8/18/2018 12:33	WALL PANEL	CONCRETE	WEST	INTACT	BEIGE	SECOND	R228	Negative	0
163	8/18/2018 12:33	WALL	PLASTER	NORTH	INTACT	BEIGE	SECOND	R228	Negative	0
164	8/18/2018 12:34	CHALKBOARD	METAL	NORTH	INTACT	GREEN	SECOND	R228	Negative	0.2
165	8/18/2018 12:35	CABINET	WOOD	CENTER	INTACT	GREEN	SECOND	R228	Negative	0
166	8/18/2018 12:38	WALL	PLASTER	EAST	INTACT	WHITE	SECOND	R226-1	Negative	0
167	8/18/2018 12:38	DOOR FRAME	METAL	EAST	INTACT	WHITE	SECOND	R226-1	Negative	0.23
168	8/18/2018 12:39	WINDOW FRAME	METAL	NORTH	INTACT	WHITE	SECOND	R226-1	Negative	0.24
169	8/18/2018 12:40	WALL	PLASTER	EAST	INTACT	BLUE	SECOND	R226	Negative	0
170	8/18/2018 12:41	DOOR FRAME	METAL	EAST	INTACT	BLUE	SECOND	R226	Negative	0.3
171	8/18/2018 12:42	WALL	PLASTER	SOUTH	INTACT	LT BLUE	SECOND	R226	Negative	0
172	8/18/2018 12:46	WALL	PLASTER	SOUTH	INTACT	WHITE	SECOND	R226-2	Negative	0.1
173	8/18/2018 12:47	WALL	PLASTER	EAST	INTACT	AQUA	SECOND	R224	Negative	0.12
174	8/18/2018 12:48	DOOR FRAME	METAL	NORTH	INTACT	AQUA	SECOND	R224	Negative	0.3
175	8/18/2018 12:52	SINK	CONCRETE	WEST	INTACT	GRAY	SECOND	R218-2	Negative	0.01
176	8/18/2018 12:54	ELEVATOR DOORS	METAL	SOUTH	INTACT	GRAY	SECOND	R200	Negative	0.08
177	8/18/2018 12:55	WALL	PLASTER	SOUTH	INTACT	WHITE	SECOND	R203-1	Negative	0
178	8/18/2018 12:56	SHELVES	WOOD	SOUTH	INTACT	WHITE	SECOND	R203-1	Negative	0
179	8/18/2018 12:56	CABINET	WOOD	SOUTH	INTACT	WHITE	SECOND	R203-1	Negative	0
180	8/18/2018 13:01	WALL	PLASTER	NORTH	INTACT	TAN	SECOND	R206	Negative	0
181	8/18/2018 13:02	WALL	PLASTER	WEST	INTACT	TAN	SECOND	R206	Negative	0
182	8/18/2018 13:03	DOOR	WOOD	EAST	INTACT	BROWN	SECOND	R206	Negative	0.07
183	8/18/2018 13:05	WALL	PLASTER	WEST	INTACT	BROWN	SECOND	R204	Negative	0.04
184	8/18/2018 13:06	WALL PANEL	CONCRETE	EAST	INTACT	BROWN	SECOND	R204	Negative	0
185	8/18/2018 13:06	DOOR	METAL	EAST	INTACT	BROWN	SECOND	R204	Negative	0.25

XRF Summary Log
Santa Ana College - Russell Hall
August 15 and 18, 2018

Reading No.	Time	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC
186	8/18/2018 13:08	WALL	PLASTER	NORTH	INTACT	WHITE	SECOND	R203	Negative	0
187	8/18/2018 13:09	WALL	PLASTER	EAST	INTACT	BEIGE	SECOND	R203	Negative	0
188	8/18/2018 13:09	WALL PANEL	CONCRETE	EAST	INTACT	BEIGE	SECOND	R203	Negative	0
189	8/18/2018 13:10	DOOR	METAL	EAST	INTACT	BROWN	SECOND	R203	Negative	0.16
190	8/18/2018 13:10	WALL	DRYWALL	WEST	INTACT	WHITE	SECOND	R203	Negative	0.02
191	8/18/2018 13:12	WALL	PLASTER	NORTH	INTACT	BEIGE	SECOND	R203-A	Negative	0
192	8/18/2018 13:12	WALL	PLASTER	EAST	INTACT	BEIGE	SECOND	R203-A	Negative	0
193	8/18/2018 13:13	DOOR FRAME	METAL	EAST	INTACT	TAN	SECOND	R203-A	Negative	0.03
194	8/18/2018 13:15	WALL	PLASTER	SOUTH	INTACT	WHITE	SECOND	R205	Negative	0
195	8/18/2018 13:18	WALL	PLASTER	NORTH	INTACT	WHITE	SECOND	R207	Negative	0
196	8/18/2018 13:19	WALL	PLASTER	WEST	INTACT	WHITE	SECOND	R207	Negative	0
197	8/18/2018 13:20	DOOR FRAME	METAL	WEST	INTACT	WHITE	SECOND	R207	Negative	0.27
198	8/18/2018 13:20	DOOR FRAME	METAL	SOUTH	INTACT	WHITE	SECOND	R207	Negative	0.4
199	8/18/2018 13:21	WALL	PLASTER	SOUTHEAST	INTACT	WHITE	SECOND	R207	Negative	0
200	8/18/2018 13:26	FLOOR	CONCRETE		INTACT	GREEN	SECOND	R219-1	Negative	0
201	8/18/2018 13:27	UPPER WALL	PLASTER	NORTH	INTACT	BEIGE	SECOND	R219-1	Negative	0
202	8/18/2018 13:27	WALL	CERAMIC TILE	NORTH	INTACT	BEIGE	SECOND	R219-1	Positive	9.9
203	8/18/2018 13:28	DOOR FRAME	METAL	EAST	INTACT	BEIGE	SECOND	R219-1	Negative	0.29
204	8/18/2018 13:29	WALL	CERAMIC TILE	EAST	INTACT	PINK	SECOND	R219-1	Positive	6.6
205	8/18/2018 13:31	WALL	PLASTER	NORTH	INTACT	WHITE	SECOND	R201	Negative	0
206	8/18/2018 13:32	SINK	CONCRETE	NORTH	INTACT	GRAY	SECOND	R201	Negative	0.02
207	8/18/2018 13:33	DOOR	METAL	EAST	INTACT	BROWN	SECOND	R201	Negative	0.2
208	8/18/2018 13:36	UPPER WALL	PLASTER	NORTH	INTACT	GRAY	SECOND	R201-1	Negative	0.01
209	8/18/2018 13:36	WALL	CERAMIC TILE	NORTH	INTACT	GREEN	SECOND	R201-1	Positive	7.5
210	8/18/2018 13:37	FLOOR	CONCRETE		INTACT	GREEN	SECOND	R201-1	Negative	0
211	8/18/2018 13:43	WALL	PLASTER	SOUTH	INTACT	WHITE	SECOND	R219	Negative	0
212	8/18/2018 13:43	CHALKBOARD	METAL	SOUTH	INTACT	GREEN	SECOND	R219	Negative	0.2
213	8/18/2018 13:45	WALL	PLASTER	SOUTH	INTACT	GREEN	SECOND	R217	Negative	0.07
214	8/18/2018 13:46	WINDOW FRAME	METAL	NORTH	INTACT	BEIGE	SECOND	R217	Negative	0.22
215	8/18/2018 13:51	WALL	PLASTER	NORTH	INTACT	GRAY	SECOND	R207-1	Negative	0
216	8/18/2018 13:52	WALL	PLASTER	WEST	INTACT	YELLOW	SECOND	R207-1	Negative	0
217	8/18/2018 13:52	WALL	PLASTER	SOUTH	INTACT	WHITE	SECOND	R207-1	Negative	0
218	8/18/2018 13:53	FLOOR	CONCRETE		INTACT	GRAY	SECOND	R207-1	Negative	0
219	8/18/2018 13:55	WALL	PLASTER	WEST	INTACT	TAN	SECOND	R209	Negative	0
220	8/18/2018 13:57	WALL	PLASTER	WEST	INTACT	BLUE	SECOND	R213	Negative	0
221	8/18/2018 13:58	WALL	PLASTER	NORTH	INTACT	TAN	SECOND	R213	Negative	0
222	8/18/2018 14:00	WALL	PLASTER	WEST	INTACT	PINK	SECOND	R215	Negative	0

XRF Summary Log
Santa Ana College - Russell Hall
August 15 and 18, 2018

Reading No.	Time	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC
223	8/18/2018 14:01	CHALKBOARD	METAL	WEST	INTACT	BROWN	SECOND	R215	Negative	0.06
224	8/18/2018 14:01	DOOR	WOOD	WEST	INTACT	BROWN	SECOND	R215	Negative	0.04
225	8/18/2018 14:02	WALL PANEL	CONCRETE	WEST	INTACT	PINK	SECOND	R215	Negative	0
226	8/18/2018 14:27	WALL	CERAMIC TILE	SOUTH	INTACT	LT BLUE	THIRD	R306	Positive	15.1
227	8/18/2018 14:28	UPPER WALL	PLASTER	SOUTH	INTACT	WHITE	THIRD	R306	Negative	0.1
228	8/18/2018 14:28	SINK	CERAMIC	NORTH	INTACT	WHITE	THIRD	R306	Positive	4.7
229	8/18/2018 14:29	URINAL	CERAMIC	NORTH	INTACT	WHITE	THIRD	R306	Negative	0.04
230	8/18/2018 14:29	TOILET	CERAMIC	NORTH	INTACT	WHITE	THIRD	R306	Negative	0
231	8/18/2018 14:30	FLOOR	CERAMIC		INTACT	BLUE	THIRD	R306	Negative	0
232	8/18/2018 14:31	DIVIDER	METAL	NORTH	FAIR	WHITE	THIRD	R306	Negative	0
233	8/18/2018 14:31	STALL	METAL	WEST	INTACT	BLUE	THIRD	R306	Negative	0
234	8/18/2018 14:32	CEILING	PLASTER		INTACT	WHITE	THIRD	R306	Negative	0
235	8/18/2018 14:32	DOOR	METAL	EAST	INTACT	BROWN	THIRD	R306	Negative	0.09
236	8/18/2018 14:33	DOOR FRAME	METAL	EAST	INTACT	BROWN	THIRD	R306	Negative	0.3
237	8/18/2018 14:36	WALL	CERAMIC TILE	WEST	INTACT	YELLOW	THIRD	R308	Positive	18.2
238	8/18/2018 14:36	SINK	CERAMIC	EAST	INTACT	WHITE	THIRD	R308	Negative	0.01
239	8/18/2018 14:37	TOILET	CERAMIC	EAST	INTACT	WHITE	THIRD	R308	Negative	0
240	8/18/2018 14:37	FLOOR	CERAMIC		INTACT	BROWN	THIRD	R308	Negative	0.01
241	8/18/2018 14:41	WALL	PLASTER	SOUTH	INTACT	LT GRAY	THIRD	R300	Negative	0
242	8/18/2018 14:42	DOOR FRAME	METAL	SOUTH	INTACT	LT GRAY	THIRD	R300	Negative	0.5
243	8/18/2018 14:43	DOOR	WOOD	SOUTH	INTACT	VARNISH	THIRD	R300	Negative	0
244	8/18/2018 14:43	DISPLAY CASE	WOOD	NORTH	INTACT	GRAY	THIRD	R300	Negative	0
245	8/18/2018 14:44	WALL	PLASTER	NORTH	INTACT	LT GRAY	THIRD	R300	Negative	0
246	8/18/2018 14:46	WALL	PLASTER	SOUTH	INTACT	GREEN	THIRD	R310	Negative	0
247	8/18/2018 14:47	BASEBOARD	WOOD	WEST	FAIR	GREEN	THIRD	R310	Negative	0.01
248	8/18/2018 14:47	FLOOR	CONCRETE		INTACT	GREEN	THIRD	R310	Negative	0
249	8/18/2018 14:48	CEILING	PLASTER		INTACT	GREEN	THIRD	R310	Negative	0
250	8/18/2018 14:50	ELEVATOR DOORS	METAL	SOUTH	INTACT	GRAY	THIRD	R300	Negative	0.11
251	8/18/2018 14:53	WALL	PLASTER	EAST	INTACT	BEIGE	THIRD	R303-1	Negative	0
252	8/18/2018 14:53	WALL PANEL	CONCRETE	EAST	INTACT	BEIGE	THIRD	R303-1	Negative	0
253	8/18/2018 14:54	DOOR	METAL	EAST	INTACT	BROWN	THIRD	R303-1	Negative	0.3
254	8/18/2018 14:55	WALL	PLASTER	NORTH	INTACT	WHITE	THIRD	R303-1	Negative	0
255	8/18/2018 14:56	DOOR	WOOD	WEST	INTACT	BEIGE	THIRD	R303-1	Negative	0
256	8/18/2018 14:56	DOOR FRAME	METAL	WEST	INTACT	TAN	THIRD	R303-1	Negative	0.06
257	8/18/2018 15:01	DOOR FRAME	METAL	SOUTH	INTACT	BEIGE	THIRD	R303	Negative	0.4
258	8/18/2018 15:02	WALL	PLASTER	SOUTH	INTACT	BEIGE	THIRD	R303	Negative	0
259	8/18/2018 15:08	FUME HOODS	METAL	NORTH	PEELING	BEIGE	THIRD	R305	Negative	0.01

XRF Summary Log
Santa Ana College - Russell Hall
August 15 and 18, 2018

Reading No.	Time	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC
260	8/18/2018 15:08	FUME HOODS	METAL	NORTH	PEELING	BEIGE	THIRD	R305	Negative	0
261	8/18/2018 15:08	FUME HOODS	METAL	NORTH	INTACT	BEIGE	THIRD	R305	Negative	0
262	8/18/2018 15:09	WALL	PLASTER	NORTH	INTACT	BEIGE	THIRD	R305	Negative	0
263	8/18/2018 15:10	CABINET	WOOD	NORTH	INTACT	GREEN	THIRD	R305	Negative	0.08
264	8/18/2018 15:11	RACKS	METAL	SOUTH	INTACT	BEIGE	THIRD	R305	Negative	0
265	8/18/2018 15:11	WALL	PLASTER	WEST	INTACT	BEIGE	THIRD	R305	Negative	0
266	8/18/2018 15:12	DOOR FRAME	METAL	WEST	INTACT	BEIGE	THIRD	R305	Negative	0.5
267	8/18/2018 15:15	WALL PANEL	CONCRETE	EAST	INTACT	BEIGE	THIRD	R301	Negative	0
268	8/18/2018 15:16	WALL	PLASTER	EAST	INTACT	BEIGE	THIRD	R301	Negative	0
269	8/18/2018 15:16	DOOR	METAL	EAST	INTACT	BROWN	THIRD	R301	Negative	0.2
270	8/18/2018 15:17	WALL	PLASTER	NORTH	INTACT	BEIGE	THIRD	R301	Negative	0
271	8/18/2018 15:18	SHELVES	WOOD	NORTH	PEELING	BLACK	THIRD	R301	Negative	0
272	8/18/2018 15:18	CABINET	WOOD	CENTER	INTACT	GREEN	THIRD	R301	Negative	0.09
273	8/18/2018 15:20	WALL	PLASTER	EAST	INTACT	BEIGE	THIRD	R309-1	Negative	0
274	8/18/2018 15:24	WALL	PLASTER	WEST	INTACT	BEIGE	THIRD	R309	Negative	0
275	8/18/2018 15:25	WALL	PLASTER	SOUTH	INTACT	BEIGE	THIRD	R309	Negative	0
276	8/18/2018 15:25	DOOR	METAL	WEST	INTACT	BROWN	THIRD	R309	Negative	0.3
277	8/18/2018 15:30	WALL PANEL	CONCRETE	WEST	INTACT	WHITE	THIRD	R307	Negative	0
278	8/18/2018 15:31	WALL	PLASTER	NORTH	INTACT	WHITE	THIRD	R307	Negative	0
279	8/18/2018 15:39	WALL	PLASTER	NORTH	INTACT	WHITE	THIRD	R307	Negative	0
280	8/18/2018 15:39	WALL	PLASTER	EAST	INTACT	WHITE	THIRD	R307	Negative	0
281	8/18/2018 15:40	WALL	PLASTER	SOUTH	INTACT	WHITE	THIRD	R307	Negative	0
282	8/18/2018 15:41	DOOR FRAME	METAL	SOUTH	INTACT	WHITE	THIRD	R307	Negative	0.5
283	8/18/2018 15:45	DOOR FRAME	METAL	NORTH	INTACT	BEIGE	THIRD	R326	Negative	0.4
284	8/18/2018 15:46	WALL	PLASTER	EAST	INTACT	BEIGE	THIRD	R326	Negative	0.01
285	8/18/2018 15:46	WALL	PLASTER	WEST	INTACT	BEIGE	THIRD	R326	Negative	0
286	8/18/2018 15:47	CEILING	PLASTER		INTACT	BEIGE	THIRD	R326	Negative	0
287	8/18/2018 15:50	CEILING	DRYWALL		INTACT	BEIGE	THIRD	R326A	Negative	0
288	8/18/2018 15:50	WALL	DRYWALL	EAST	INTACT	BEIGE	THIRD	R326A	Negative	0
289	8/18/2018 15:53	WALL	DRYWALL	SOUTH	INTACT	WHITE	THIRD	R328	Negative	0
290	8/18/2018 15:54	WINDOW FRAME	METAL	SOUTH	INTACT	TAN	THIRD	R328	Negative	0
291	8/18/2018 15:55	WALL PANEL	CONCRETE	WEST	INTACT	WHITE	THIRD	R328	Negative	0
292	8/18/2018 15:56	DOOR FRAME	METAL	EAST	FAIR	TAN	THIRD	R328	Negative	0
293	8/18/2018 16:01	WALL	PLASTER	NORTH	INTACT	BLUE	THIRD	R328-2	Negative	0
294	8/18/2018 16:01	WALL TRIM	WOOD	NORTH	INTACT	BLUE	THIRD	R328-2	Negative	0
295	8/18/2018 16:02	WALL	PLASTER	EAST	INTACT	YELLOW	THIRD	R328-2	Negative	0
296	8/18/2018 16:05	RACKS	METAL	CENTER	INTACT	GREEN	THIRD	R328-2	Negative	0.01

XRF Summary Log
Santa Ana College - Russell Hall
August 15 and 18, 2018

Reading No.	Time	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC
297	8/18/2018 16:06	CABINET	WOOD	SOUTH	INTACT	GREEN	THIRD	R328-2	Negative	0.09
298	8/18/2018 16:06	WALL	PLASTER	SOUTH	INTACT	BROWN	THIRD	R328-2	Negative	0.01
299	8/18/2018 16:07	WALL	PLASTER	NORTH	INTACT	BROWN	THIRD	R328-2	Negative	0
300	8/18/2018 16:08	WALL	PLASTER	EAST	INTACT	BROWN	THIRD	R328-2	Negative	0
301	8/18/2018 16:08	WALL	PLASTER	EAST	INTACT	TAN	THIRD	R328-2	Negative	0
302	8/18/2018 16:09	WALL	PLASTER	EAST	INTACT	BEIGE	THIRD	R318	Negative	0
303	8/18/2018 16:10	WALL	PLASTER	WEST	INTACT	BEIGE	THIRD	R318	Negative	0
304	8/18/2018 16:10	DOOR FRAME	METAL	WEST	INTACT	WHITE	THIRD	R318	Negative	0.06
305	8/18/2018 16:53	WALL	PLASTER	SOUTH	INTACT	BEIGE	THIRD	R324	Negative	0
306	8/18/2018 16:54	WALL	PLASTER	EAST	INTACT	BEIGE	THIRD	R324	Negative	0
307	8/18/2018 16:55	WALL	PLASTER	WEST	INTACT	GREEN	THIRD	R322	Negative	0
308	8/18/2018 16:56	CHALKBOARD	METAL	WEST	INTACT	GREEN	THIRD	R322	Negative	0.02
309	8/18/2018 16:56	WALL	PLASTER	EAST	INTACT	WHITE	THIRD	R322	Negative	0
310	8/18/2018 16:59	WALL	PLASTER	SOUTH	INTACT	BEIGE	THIRD	R316	Negative	0
311	8/18/2018 17:13	WALL	PLASTER	NORTH	INTACT	BEIGE	THIRD	R302-1	Negative	0.01
312	8/18/2018 17:14	DOOR	WOOD	WEST	INTACT	BEIGE	THIRD	R302-1	Negative	0.29
313	8/18/2018 17:15	DOOR FRAME	METAL	WEST	INTACT	BEIGE	THIRD	R302-1	Negative	0.7
314	8/18/2018 17:16	WALL	PLASTER	WEST	INTACT	BEIGE	THIRD	R302-2	Negative	0
315	8/18/2018 17:17	CABINET	WOOD	WEST	INTACT	GREEN	THIRD	R302-2	Negative	0
316	8/18/2018 17:17	DOOR FRAME	METAL	SOUTH	INTACT	BEIGE	THIRD	R302-2	Negative	0.6
317	8/18/2018 17:18	DOOR FRAME	METAL	EAST	INTACT	BEIGE	THIRD	R302-3	Negative	0.4
318	8/18/2018 17:19	WINDOW FRAME	METAL	EAST	INTACT	BEIGE	THIRD	R302-3	Negative	0.3
319	8/18/2018 17:20	TABLE	WOOD	WEST	INTACT	BEIGE	THIRD	R302-3	Negative	0.09
320	8/18/2018 17:20	TABLE	WOOD	WEST	INTACT	GREEN	THIRD	R302-3	Negative	0.07
321	8/18/2018 17:21	WALL	PLASTER	WEST	INTACT	BEIGE	THIRD	R302-3	Negative	0
322	8/18/2018 17:21	WALL	PLASTER	SOUTH	INTACT	BEIGE	THIRD	R302-3	Negative	0
323	8/18/2018 17:23	WALL	PLASTER	WEST	INTACT	BEIGE	THIRD	R302	Negative	0
324	8/18/2018 17:24	CABINET	WOOD	WEST	INTACT	BEIGE	THIRD	R302	Negative	0
325	8/18/2018 17:24	CABINET	WOOD	SOUTH	INTACT	BEIGE	THIRD	R302	Negative	0.07
326	8/18/2018 17:25	WINDOW FRAME	METAL	NORTH	INTACT	BEIGE	THIRD	R302	Negative	0.6
327	8/18/2018 17:26	WALL	PLASTER	NORTH	INTACT	BEIGE	THIRD	R302	Negative	0
328	8/18/2018 17:27	DOOR	METAL	EAST	INTACT	BROWN	THIRD	R302	Negative	0.28
329	8/18/2018 17:29	WALL	PLASTER	NORTH	INTACT	BEIGE	THIRD	R304	Negative	0.08
330	8/18/2018 17:29	CHALKBOARD	METAL	EAST	INTACT	GREEN	THIRD	R304	Negative	0.03
331	8/18/2018 17:30	DOOR	METAL	EAST	INTACT	BROWN	THIRD	R304	Negative	0.3
332	8/18/2018 17:31	STAIR ENCLOSURE	METAL	EAST	INTACT	BROWN	THIRD	EXTERIOR	Positive	1.3
333	8/18/2018 17:31	HANDRAIL	METAL	EAST	INTACT	BROWN	THIRD	EXTERIOR	Negative	0.15

XRF Summary Log
Santa Ana College - Russell Hall
August 15 and 18, 2018

Reading No.	Time	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC
334	8/18/2018 17:32	STAIRS	CONCRETE	EAST	INTACT	YELLOW	THIRD	EXTERIOR	Positive	1.3
335	8/18/2018 17:40	TABLE	WOOD	NORTH	PEELING	DK GRAY	ROOF	401	Negative	0
336	8/18/2018 17:40	SINK	CERAMIC	NORTH	INTACT	WHITE	ROOF	401	Positive	36
337	8/18/2018 17:41	WALL	CONCRETE	WEST	INTACT	GRAY	ROOF	401	Negative	0.01
338	8/18/2018 17:43	WALL	CONCRETE	EAST	INTACT	TAN	ROOF	401	Negative	0.06
339	8/18/2018 17:46	HVAC DUCTS	METAL	CENTER	INTACT	WHITE	ROOF	EXTERIOR	Negative	-0.02
340	8/18/2018 17:46	HVAC DUCTS	METAL	CENTER	INTACT	WHITE	ROOF	EXTERIOR	Negative	0
341	8/18/2018 17:49	WALL	CONCRETE	CENTER	INTACT	WHITE	ROOF	R402	Negative	0.02
342	8/18/2018 17:50	DOOR	METAL	EAST	INTACT	BROWN	ROOF	R402	Negative	0.12
343	8/18/2018 17:50	DOOR FRAME	METAL	EAST	INTACT	BROWN	ROOF	R402	Negative	0.19
344	8/18/2018 17:53	WALL	CONCRETE	SOUTH	INTACT	GREEN	ROOF	R402	Negative	0
345	8/18/2018 17:55	ELEVATOR DOORS	METAL	NORTH	INTACT	BROWN	ROOF	EXTERIOR	Negative	0.12
346	8/18/2018 17:56	WALL	PLASTER	NORTH	INTACT	TAN	ROOF	EXTERIOR	Null	0
347	8/18/2018 17:57	WALL	PLASTER	NORTH	INTACT	TAN	ROOF	EXTERIOR	Negative	0
348	8/18/2018 17:58	WALL	METAL	SOUTH	INTACT	TAN	ROOF	EXTERIOR	Negative	0.05
349	8/18/2018 17:59	WALL BASE	METAL	SOUTH	INTACT	TAN	ROOF	EXTERIOR	Negative	0
350	8/18/2018 17:59	DOWNSPOUT	METAL	SOUTH	INTACT	TAN	ROOF	EXTERIOR	Negative	0.01
351	8/18/2018 18:04	STRUCTURAL STEEL	METAL	EAST	INTACT	BROWN	ROOF	R407	Negative	0.01
352	8/18/2018 18:06	COMPRESSOR	METAL	CENTER	INTACT	GREEN	ROOF	R407	Negative	0
353	8/18/2018 18:06	PIPING	METAL	NORTH	INTACT	RED	ROOF	R407	Negative	0
354	8/18/2018 18:07	ELEC. PANEL	METAL	SOUTH	INTACT	GRAY	ROOF	R407	Negative	0
355	8/18/2018 18:10	DOOR	METAL	SOUTH	INTACT	BROWN	ROOF	R407	Negative	0
356	8/18/2018 18:10	DOOR FRAME	METAL	SOUTH	INTACT	BROWN	ROOF	R407	Negative	0.15
357	8/18/2018 18:15	COLUMN	METAL	WEST	INTACT	RED	ROOF	R406	Negative	0
358	8/18/2018 18:16	WALL	METAL	NORTH	FAIR	GRAY	ROOF	R406	Negative	0.4
359	8/18/2018 18:16	WALL	METAL	EAST	PEELING	GRAY	ROOF	R406	Negative	0.27
360	8/18/2018 18:17	HVAC DUCTS	METAL	CENTER	PEELING	GRAY	ROOF	R406	Negative	0.01
361	8/18/2018 18:19	DOOR	METAL	SOUTH	FAIR	BROWN	ROOF	R407	Negative	0
362	8/18/2018 18:21	WALL	METAL	EAST	INTACT	TAN	ROOF	EXTERIOR	Negative	0.17
363	8/18/2018 18:32	WALL	METAL		INTACT	AQUA		ELEVATOR	Negative	0
364	8/18/2018 18:36	WALL	PLASTER	NORTH	INTACT	BEIGE		R122-1	Negative	0
365	8/18/2018 18:37	CEILING	PLASTER		INTACT	BEIGE		R122-1	Negative	0
366	8/18/2018 18:38	MOP SINK	CERAMIC	SOUTH	INTACT	WHITE		R122	Positive	27.6
367	8/18/2018 18:43			CALIBRATE					Positive	1.1
368	8/18/2018 18:43			CALIBRATE					Positive	1.2
369	8/18/2018 18:44			CALIBRATE					Positive	1.1



LIMITED LEAD PAINT SAMPLING

Exteriors of Buildings B, E, L, R, and T
Santa Ana College
1530 West 17th Street
Santa Ana, California 92706

Prepared for:

Rancho Santiago Community College District
2323 North Broadway, Suite 112
Santa Ana, California 92706-1430

Project No.: RSCC-15-4983

Date: February 9, 2015

Alta Environmental

3777 Long Beach Boulevard Annex Building
Long Beach CA 90807 United States of America
T 562 495 5777 F 562 495 5877
Toll-free (US only) 800 777-0605 altaenviron.com

EXECUTIVE SUMMARY

On January 23, 2015, Alta Environmental conducted limited lead paint sampling on exterior surfaces of Buildings B, E, L, R and T at Santa Ana College, located at 1530 West 17th Street, Santa Ana, California 92706. Our California Department of Public Health (CDPH) Certified Lead Inspector/Assessor conducted the following activities to document the project:

- Initial investigation to locate exterior painted surfaces;
- Physical assessment of suspect painted surfaces; and
- Direct readings of lead painted surfaces with an x-ray fluorescence spectrum analyzer.

Refer to section 5 in this report for a summary of findings.

CONTENTS

1	INTRODUCTION	1
2	PROJECT BACKGROUND	1
3	SCOPE OF WORK	1
4	METHODOLOGY	1
5	RESULTS	2
6	CONCLUSIONS AND RECOMMENDATIONS	4
7	ASSUMPTIONS AND LIMITATIONS	5
8	SIGNATORY	6

Appendices

Appendix A: XRF Lead Inspection, Instrument Calibration, and DHS 8552

Appendix B: Site Maps

Appendix C: Alta Environmental Employee Certifications

REPORTED: February 9, 2015

PROJECT NO.: RSCC-14-4983

CLIENT: Rancho Santiago Community College District
2323 North Broadway, Suite 112
Santa Ana, California 92706

ATTENTION: Mr. Steven Marshall

REF: Limited Lead Paint Sampling
Buildings B, E, L, R and T
Santa Ana College
1530 West 17th Street
Santa Ana, California 92706

1 INTRODUCTION

On January 23, 2015, Alta Environmental conducted limited lead paint sampling on exterior surfaces of buildings B, E, L, R and T at Santa Ana College, located at 1530 West 17th Street, Santa Ana, California 92706.

2 PROJECT BACKGROUND

Rancho Santiago Community College District retained Alta Environmental for the limited paint sampling. The sampling was completed by Fabian Ruvalcaba, a California Department of Public Health (CDPH) Certified Lead Inspector/Assessor.

3 SCOPE OF WORK

The survey and testing included the following:

- Initial investigation to locate exterior painted surfaces;
- Physical assessment of suspect painted surfaces; and
- Direct readings of lead painted surfaces with an x-ray fluorescence spectrum analyzer.

4 METHODOLOGY

A total of 131 readings were completed using a portable XRF spectrum analyzer of representative painted surfaces. The XRF used was the LPA-1, manufactured by Radiation Monitoring Devices (RMD) of Watertown, Massachusetts. XRF readings were taken by using the device "Quick" mode option. No time setting is required with this option since the device automatically adjusts its reading time to the different paint substrates for precision. The duration of each test result was determined by the substrate density in combination with the age of the radioactive source of the device and the actual reading relative to the

abatement level (threshold) chosen. The testing includes a unique combination of room equivalent, building component type, and substrate.

An XRF Performance Characteristic Sheet (PCS) developed jointly by the U.S. Department of Housing and Urban Development (HUD) and the USEPA for the RMD LPA-1 was used. The PCS provides information necessary to conduct an inspection of LBP using a specific XRF device. Based on the PCS, no inconclusive readings in the “Quick” mode were encountered for LBP on brick, concrete, drywall, metal, plaster or wood substrates.

Field calibration checks were performed prior, during and after each XRF lead inspection to determine that the device was functioning within acceptable limits (tolerance) determined by the manufacturer. Three readings of a red 1.04 mg/cm² Standard Reference Material (SRM) paint film, developed by the National Institute of Standard and Technology (NIST), were taken in the “Time Corrected” mode option during each calibration check. Each set of readings was averaged and compared to the PCS calibration check limit for the device. Please refer to Appendix H Field Notes, for documentation of the quality-control calibration checks.

5 RESULTS

Sides B, C and D are identified clockwise from side A, where side A corresponds to the north side of the building

Lead-based paint, according to, the State of California, HUD and the USEPA is defined as paint or other surface coating with lead content equal to or greater than 1.0 mg/cm².

Summary of LBP:

Sample #	Sampling method	Structure	Material Location	Paint Color & Condition	Substrate	Lead (mg/cm ² /PPM)
Building E						
074	XRF	Wall trim	Exterior, NE and NW (at North entrances to the building)	White/intact	Wood	1.0
Building L						
119	XRF	A/C Unit	South roof	White/Poor	Metal	1.5
120	XRF	A/C Ducting	South roof	White/Poor	Metal	2.3

Sample #	Sampling method	Structure	Material Location	Paint Color & Condition	Substrate	Lead (mg/cm ² /PPM)
122	XRF	Wall (corrugated metal parapet/ visual wall)	South roof	White/Intact	Metal	1.7
123	XRF	Wall support (parapet/ visual wall supports)	South roof	White/Intact	Metal	1.0
124	XRF	Flashing (roof)	Perimeter, roof level	Silver-White/intact	Metal	1.0
Building R-Exterior						
021	XRF	Stairs treads	NE, SE, NW, and SW stairwells	Yellow/intact	Metal	1.3
023	XRF	Guard rail	2 nd , 3 rd floor east and west exterior walkways	White/intact	Metal	2.9
024	XRF	Guard rail	2 nd , 3 rd floor east and west exterior walkways	Brown/intact	Metal	2.1
025	XRF	Column	2 nd , 3 rd floor east and west exterior walkways	Brown/intact	Metal	1.7
026	XRF	Flashing (ceiling)	2 nd , 3 rd floor east and west exterior walkways	Brown/intact	Metal	2.2

Sample #	Sampling method	Structure	Material Location	Paint Color & Condition	Substrate	Lead (mg/cm ² /PPM)
027, 39	XRF	Handrail	NE, SE, NW, and SW stairwells	Brown /fair (Loose and flaky at rooftop)	Metal	4.0
035	XRF	Tank	Rooftop center	White/intact	Metal	>9.9
038	XRF	Drinking water fountain	1 st to 3 rd floor all on exteriors (3 units)	White/intact	Ceramic	5.2
Building T-Exterior						
053	XRF	Guard panel	2 nd floor exterior perimeter walkway outer wall (rusting at base)	White/fair	Metal	>9.9
054	XRF	Handrail	2 nd floor exterior perimeter top of walkway outer wall (rusting at base)	White/fair	Metal	>9.9
063	XRF	Ladder	Roof access (2 nd floor, SW)	Beige/intact	Metal	7.2

6 CONCLUSIONS AND RECOMMENDATIONS

The lead sampling was limited to exterior painted surfaces of buildings B, E, L, R and T. The sampling was completed as requested by the client using our instant read XRF unit. Due to limitations of the XRF, lead per weight result was not achievable.

Paints with detectable levels of lead when disturbed for construction purposes are subject to Cal/OSHA *Title 8 CCR, Section 1532.1(d) regulation*. The regulation requirements included but are not limited, initial employee exposure monitoring, worker training, worker protection etc. Alta recommends that painted surfaces which were reported below 1.0 mg/cm² in this report, be assumed to contain detectable levels of lead until the paints are characterized paint chip sample analysis. (Refer to Appendix A for an inventory of painted surfaces reported below 1.0 mg/cm²).

Asbestos-containing materials may be present affected by the scope of work. Disturbances to ACMs may be subject to regulation. Alta recommends that a survey for asbestos be completed if construction material will be impacted by the upcoming project.

Lead-based paints have been identified in the Site. Refer to Section 5 in this report for a summary of LBP.

Impacts to LBP when disturbed for construction purposes are subject to Cal/OSHA worker protection requirements such as but not limited to initial employee exposure monitoring, worker protection etc. Impacts to LBP may also be subject to California Department of Public Health requirements if results of worker exposure monitoring exceed the Cal/OSHA permissible exposure limit.

An O&M program is also recommended for the identified LBP in good condition. An O&M program or interim control is a set of measures designed to temporarily reduce human exposure or possible exposure to LBP hazards. Such measures may include specialized cleaning, repairs, maintenance, painting, temporary containment and management and resident education programs. Visual monitoring conducted by owners and/or reevaluations by risk assessors are integral elements of an interim control. An initial evaluation of potential LBP hazard by a certified risk assessor is recommended for a successful implementation of the interim controls.

Abatement (e.g., stabilization) is recommended for damaged LBP, or if the condition of the materials noted as being in good condition should change. According to Federal regulations and guidelines, LBP abatement is the permanent (defined as designed to last at least 20 years or, in case of encapsulation, a 20-year product warranty) elimination of LBP hazards through replacement, enclosure, encapsulation, paint removal and cleaning to remove lead-contaminated dust.

Work activities impacting LBP pose a potential exposure risk for workers and/or building occupants. Workers trained in proper safety and respiratory techniques should perform renovation activities that may impact the LBP described in this report.

Waste generated during removal or demolition of LBP and LCP components must be properly segregated into separate waste streams. Each waste stream should be randomly sampled and 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

7 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 Alta Environmental's express written permission. The information, conclusions and recommendations described in this report apply to conditions existing at certain locations when services were performed and are intended only for the specific purposes, locations, time frames and project parameters indicated. Alta Environmental cannot be responsible for the impact of any changes in environmental standards, practices or regulations after performance of services.

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

As applicable, Alta Environmental has relied in good faith upon representations and information furnished by individuals with respect to operations and existing property conditions, to the extent that they have not been contradicted by data obtained from other sources. Accordingly, Alta Environmental accepts no responsibility for any deficiencies, omissions, misrepresentations, or fraudulent acts of persons interviewed.

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

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

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

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

8 SIGNATORY

Respectfully submitted by:

Alta Environmental

Cesar Ruvalcaba
Certified Asbestos Consultant
Cal/OSHA Cert. #95-1799
Lead Inspector/Assessor, Project Monitor
CDPH Cert. #6855

CR:da

Appendix A

XRF Lead Inspection, Instrument Calibration, and DHS 8552

DETAILED REPORT OF LEAD PAINT INSPECTION FOR:

Location: Santa Ana College, Buildings E, B, L, R, and T
 Inspector: Fabian Ruvalcaba

Inspection Date: 01/22/15
 Report Date: 2/5/2015
 Abatement Level: 1.0
 Report No. S#01184 - 01/22/15 11:41
 Total Readings: 131
 Job Started: 01/22/15 11:41
 Job Finished: 01/22/15 15:54

Read No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Paint Color	Lead (mg/cm ²)	Mode
Exterior Room 001 Bldg. R									
004	A	Wall	L Ctr		I	Stucco	White	0.4	QM
005	A	Wall	L Ctr		I	Stucco	Brown	-0.1	QM
011	A	Window	Ctr	Lft casing	I	Metal	Brown	-0.1	QM
010	A	Door	Ctr	Lft casing	I	Metal	Brown	-0.2	QM
009	A	Door	Ctr	L Ctr	I	Metal	Brown	-0.2	QM
006	A	Overhang	Ctr		I	Concrete	White	-0.1	QM
007	A	Flashing	Ctr		I	Metal	White	-0.3	QM
008	A	Window Panel	Ctr		I	Metal	Brown	0.3	QM
021	B	Stairs	Ctr	Treads	I	Metal	Yellow	1.3	QM
020	B	Stairs	Ctr		I	Concrete	Beige	-0.3	QM
022	B	Handrail	Ctr		I	Metal	Brown	-0.1	QM
023	B	Guardrail	Ctr		I	Metal	White	2.9	QM
024	B	Guardrail	Ctr		I	Metal	Brown	2.1	QM
025	B	Column	Ctr		I	Metal	Brown	1.7	QM
026	B	Flashing (ceiling)			I	Metal	Brown	2.2	QM
014	D	Wall	L Ctr		I	Stucco	Brown	0.3	QM
018	D	Door	Ctr	Lft casing	I	Metal	Brown	-0.1	QM
017	D	Door	Ctr	L Ctr	I	Metal	Brown	0.0	QM
012	D	Downspout	Ctr		I	Metal	Brown	0.0	QM
013	D	Fire Box	Ctr		I	Metal	Brown	0.0	QM
015	D	Hatch	Ctr		I	Metal	Brown	0.1	QM
016	D	Vent	Ctr		I	Metal	Brown	0.1	QM
019	D	Downspout	Ctr		I	Metal	White	0.1	QM
Exterior Room 002 Bldg. R-rooftop									
036	A	Duct	Ctr		I	Metal	Beige	-0.3	QM
037	A	Vent	Ctr		I	Metal	Beige	0.1	QM
027	B	Handrail	Ctr		F	Metal	Brown	4.0	QM
028	C	Wall	L Ctr		I	Brick	White	-0.1	QM
029	C	Wall	L Ctr		I	Metal	Beige	-0.1	QM
032	C	Wall	L Ctr		I	Stucco	Beige	0.2	QM
031	C	Door	Ctr	Lft casing	I	Metal	White	0.0	QM
030	C	Door	Ctr	L Ctr	I	Metal	White	0.0	QM
033	C	Elevator door	Ctr		I	Metal	Brown	-0.3	QM
034	C	Elevator doorcase			I	Metal	Brown	-0.1	QM
035	C	Tank	Ctr		I	Metal	White	>9.9	QM
Exterior Room 003 Bldg. R-2nd Floor									
038	B	H2O Fountain	Ctr		I	Ceramic	White	5.2	QM
039	B	Handrail	Ctr		I	Metal	Brown	2.9	QM
040	B	Floor	Ctr		I	Concrete	Beige	-0.2	QM

Exterior Room 004 Bldg. T

043	A	Window	Ctr	Lft casing	I	Metal	Brown	-0.2	QM
042	A	Door	Ctr	Lft casing	I	Metal	Brown	-0.1	QM
041	A	Door	Ctr	U Ctr	I	Metal	Brown	0.0	QM
044	A	Fire Box	Ctr		I	Metal	Beige	0.0	QM
045	C	Roll Door	Ctr		I	Metal	Brown	-0.4	QM
046	C	Roll D.C.	Ctr		I	Metal	Brown	-0.3	QM
047	D	Vent	Ctr		I	Metal	Beige	-0.1	QM
048	D	Electrical	Ctr		I	Metal	White	-0.1	QM
049	D	Column	Ctr		I	Concrete	White	-0.1	QM
050	D	Ceiling	Ctr		I	Concrete	White	-0.1	QM

Exterior Room 005 Bldg. T-SW Stairs

051	B	Handrail	Ctr		I	Metal	Beige	-0.2	QM
052	B	Beam	Ctr		I	Metal	White	-0.1	QM

Exterior Room 006 Bldg. T-2nd Floor

056	D	Door	Ctr	Lft casing	I	Metal	Brown	-0.2	QM
055	D	Door	Ctr	U Ctr	I	Metal	Brown	0.1	QM
053	D	Guard Panel	Ctr		I	Metal	White	>9.9	QM
054	D	Guardrail	Ctr		I	Metal	White	>9.9	QM
057	D	H2O Fountain	Ctr		I	Ceramic	White	-0.2	QM
058	D	Ceiling	Ctr		I	Concrete	White	0.3	QM

Exterior Room 007 Bldg. T-Roof Top

059	A	AC Unit	Ctr		I	Metal	Beige	-0.1	QM
060	A	AC Duct	Ctr		I	Metal	Beige	-0.1	QM
061	C	Pipe	Ctr		I	Metal	Silver	0.1	QM
062	C	Support	Ctr		I	Metal	Silver	-0.1	QM
063	C	Ladder	Ctr		I	Metal	Beige	7.2	QM

Exterior Room 008 Bldg. E

075	A	Wall	L Ctr		I	Stucco	White	0.2	QM
076	A	Wall	L Ctr		I	Brick	White	-0.3	QM
077	A	Window	Ctr	Lft casing	I	Metal	Brown	-0.2	QM
079	A	Door	Ctr	Lft casing	I	Metal	Brown	0.1	QM
078	A	Door	Ctr	L Ctr	I	Metal	Gray	-0.2	QM
074	A	Trim	Ctr		I	Wood	White	1.0	QM
073	B	Conduit	Ctr		I	Metal	White	0.0	QM
067	C	Wall	L Ctr		I	Brick	White	-0.2	QM
069	C	Soffit			I	Stucco	Gray	0.2	QM
068	C	Window	Ctr	Lft casing	I	Metal	Gray	-0.5	QM
070	C	Flashing	Ctr		I	Metal	White	-0.3	QM
071	C	Downspout	Ctr		I	Metal	White	0.1	QM
072	C	Electrical	Ctr		I	Metal	White	0.0	QM
064	D	Wall	L Ctr		I	Brick	White	-0.1	QM
066	D	Door	Ctr	Lft casing	I	Metal	Gray	-0.3	QM
065	D	Door	Ctr	L Ctr	I	Metal	Gray	-0.1	QM

Exterior Room 009 Bldg. E-Rooftop

080	B	Hatch	Ctr		I	Metal	Silver	0.2	QM
081	B	Pipe	Ctr		I	Metal	Silver	-0.3	QM
082	B	Roof	Ctr		I	Concrete	Silver	-0.2	QM

Exterior Room 010 Bldg. B

084	A	Wall	L Ctr		I	Stucco	Beige	0.1	QM
083	A	Electrical	Ctr		I	Metal	Green	-0.3	QM

085	B	Wall	L Ctr		I	Stucco	Beige	0.0	QM
088	B	Door	Ctr	Lft casing	I	Metal	Brown	-0.1	QM
087	B	Door	Ctr	L Rgt	I	Metal	Brown	-0.1	QM
086	B	Vent	Ctr		I	Metal	Brown	0.0	QM
097	D	Door	Ctr	Lft casing	I	Metal	Brown	-0.5	QM
096	D	Door	Ctr	L Ctr	I	Metal	Brown	-0.3	QM
093	D	Stairs	Ctr	Treads	I	Metal	Yellow	-0.3	QM
091	D	Stairs	Ctr	Risers	P	Metal	Brown	-0.5	QM
092	D	Stairs	Ctr	Railing cap	P	Metal	Brown	-0.4	QM
089	D	Column	Ctr		P	Metal	Brown	-0.3	QM
090	D	Stairs	Ctr		P	Metal	Brown	-0.4	QM
094	D	Elevator door	Ctr		I	Metal	Brown	-0.2	QM
095	D	Elevator doocase			I	Metal	Brown	0.0	QM

Exterior Room 011 Bldg. L

099	A	Wall	L Ctr		I	Ceramic	White	0.0	QM
100	A	Wall	L Ctr		I	Stucco	White	0.2	QM
109	A	Wall	L Ctr		I	Stucco	Beige	-0.3	QM
105	A	Door	Ctr	Lft casing	I	Metal	Blue	-0.2	QM
104	A	Door	Ctr	L Ctr	I	Metal	Blue	-0.2	QM
101	A	Stairs	Ctr	Treads	I	Metal	Beige	-0.4	QM
102	A	Stairs	Ctr	Railing cap	I	Metal	Beige	-0.2	QM
098	A	Trim	Ctr		I	Ceramic	Blue	-0.4	QM
103	A	Floor	Ctr		I	Ceramic	Red	-0.4	QM
106	A	Handrail	Ctr		I	Metal	Blue	-0.1	QM
107	A	Column	Ctr		I	Concrete	White	-0.3	QM
108	A	Ceiling	Ctr		I	Concrete	White	-0.1	QM
116	C	Wall	L Ctr		I	Stucco	Beige	-0.2	QM
111	C	Door	Ctr	Lft casing	I	Metal	Beige	-0.1	QM
113	C	Door	Ctr	Lft casing	I	Metal	Brown	-0.1	QM
110	C	Door	Ctr	L Ctr	I	Metal	Beige	-0.2	QM
112	C	Door	Ctr	L Lft	I	Metal	Brown	-0.1	QM
114	C	Column	Ctr		I	Concrete	White	0.2	QM
115	C	Beam	Ctr		I	Concrete	White	0.0	QM
117	D	Wall	L Ctr		I	Ceramic	White	-0.4	QM
118	D	Trim	Ctr		I	Ceramic	Blue	-0.5	QM

Exterior Room 012 Bldg. L-Rooftop

125	A	Pipe	Ctr		I	Metal	White	0.0	QM
126	A	AC Unit	Ctr		I	Metal	Silver	0.0	QM
127	A	Roof	Ctr		I	Roof	Green	-0.1	QM
119	C	AC Unit	Ctr		P	Metal	White	1.5	QM
120	C	AC Duct	Ctr		P	Metal	White	2.3	QM
122	D	Wall	L Ctr		I	Metal	White	1.7	QM
121	D	Conduit	Ctr		I	Metal	White	-0.2	QM
123	D	Wall Support	Ctr		I	Metal	White	1.0	QM
124	D	Flashing	Ctr		I	Metal	White	1.0	QM

Exterior Room 013 Bldg. L-1st Floor

128	B	Window	Ctr	Lft casing	I	Metal	Black	-0.1	QM
-----	---	--------	-----	------------	---	-------	-------	------	----

Calibration Readings

001								1.1	TC
002								1.1	TC
003								1.1	TC
129								1.0	TC
130								0.9	TC
131								1.0	TC

----- End of Readings -----

Calibration Check Test Results

Address/Unit No. Santa Ana College

Device ~~HPA~~ LPA

Date 1-22-15

XRF Serial No. 1184

Contractor Coffey Environments - Alta Euphratid

Inspector Name Matt Zar Fabian Rueda

Signature 

NIST SRM Used 1.04 mg/cm²

Calibration Check Tolerance Used 0.3 mg/cm²

First Calibration Check

NIST SRM			First Average	Difference Between first Average and NIST SRM*
First Reading	Second reading	Third reading		
1.1	1.1	1.1	1.1	0.06

Second Calibration Check

NIST SRM			First Average	Difference Between first Average and NIST SRM*
First Reading	Second reading	Third reading		
1.0	0.9	1.0	.98	0.06

Third Calibration Check (if required)

NIST SRM			First Average	Difference Between first Average and NIST SRM*
First Reading	Second reading	Third reading		

Fourth Calibration Check (*not required*)

NIST SRM			First Average	Difference Between first Average and NIST SRM*
First Reading	Second reading	Third reading		

* if the difference of the Calibration Check Average from the NIST SRM film value is greater than the specified Calibration Check Tolerance for this device, consult the manufacturer's recommendations to bring the instrument back into control. Retest all testing combinations tested since the last successful Calibration Check test.

$$\begin{array}{r} 3 \overline{) 2.90} \\ \underline{27} \\ 20 \end{array}$$

LEAD HAZARD EVALUATION REPORT

Section 1 – Date of Lead Hazard Evaluation 1-22-15

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

Lead Inspection Risk assessment Clearance Inspection Other (specify) _____

Section 3 – Structure Where Lead Hazard Evaluation Was Conducted

Address [number, street, apartment (if applicable)]		City	County	Zip Code
<u>1530 West 17th St. Bldgs B, E, C, R, T</u>		<u>Santa Ana</u>	<u>Orange</u>	<u>92706</u>
Construction date (year) of structure	Type of structure	Children living in structure?		
	<input type="checkbox"/> Multi-unit building <input type="checkbox"/> School or daycare <input type="checkbox"/> Single family dwelling <input checked="" type="checkbox"/> Other <u>College</u>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Don't Know		

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

Name		Telephone number	
<u>Pancho Santiago Community College District</u>			
Address [number, street, apartment (if applicable)]		City	State Zip Code
<u>2323 No. Broadway #112</u>		<u>Santa Ana</u>	<u>CA 92706</u>

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	
<u>Fabian Rivalcaba</u>		<u>562-495-5777</u>	
Address [number, street, apartment (if applicable)]		City	State Zip Code
<u>3777 Long Beach Blvd, Annex</u>		<u>Long Beach</u>	<u>Ca</u>
CDPH certification number	Signature	Date	
<u>22130</u>		<u>1-22-15</u>	

Name and CDPH certification number of any other individuals conducting sampling or testing (if applicable)

Section 7 – Attachments

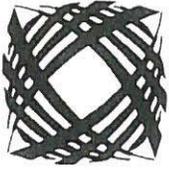
- A. A foundation diagram or sketch of the structure indicating the specific locations of each lead hazard or presence of lead-based paint;
- B. Each testing method, device, and sampling procedure used;
- C. All data collected, including quality control data, laboratory results, including laboratory 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

Appendix B

Site Maps



ALTA
ENVIRONMENTAL

Sheet 1 of 1

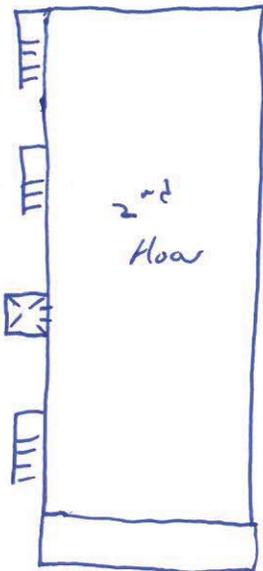
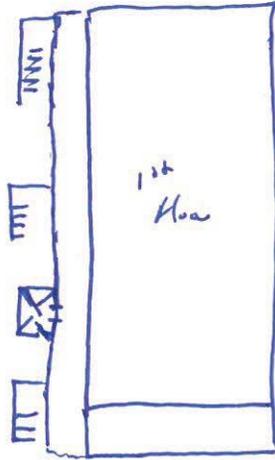
Project Name Santa Ana College - Bldg B

Project No./Task No. RSCC-15-4983

Calculated by F.R. Date 1-23-15

Scale No Scale

Checked by _____ Date _____





ALTA
ENVIRONMENTAL

Sheet 1 of 1

Project Name Santa Ana College

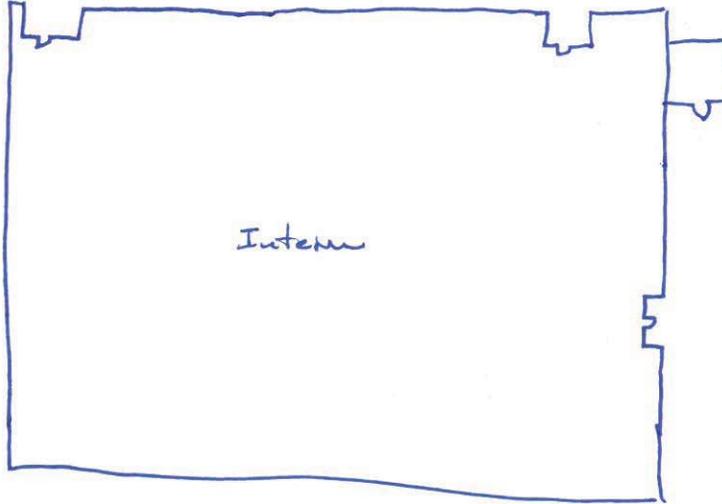
Project No./Task No. PSEC-15-4483

Calculated by F.R. Date 1-23-15

Checked by _____ Date _____

Scale No Scale

Bldg E



Intern



Pool





ALTA
ENVIRONMENTAL

Sheet 1 of 1

Project Name Santa Ana College - Bldg L

Project No./Task No. RSCC-15-4983

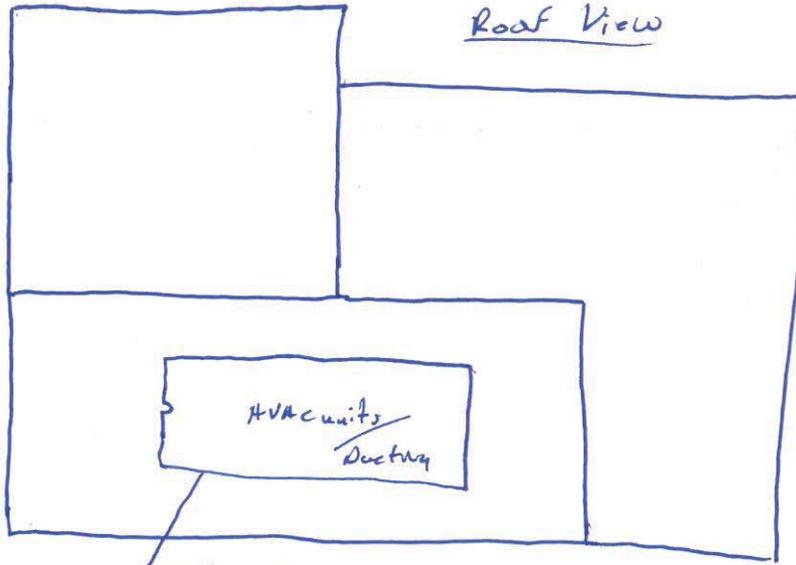
Calculated by f.p. Date 1-25-15

Checked by _____ Date _____

Scale No Scale

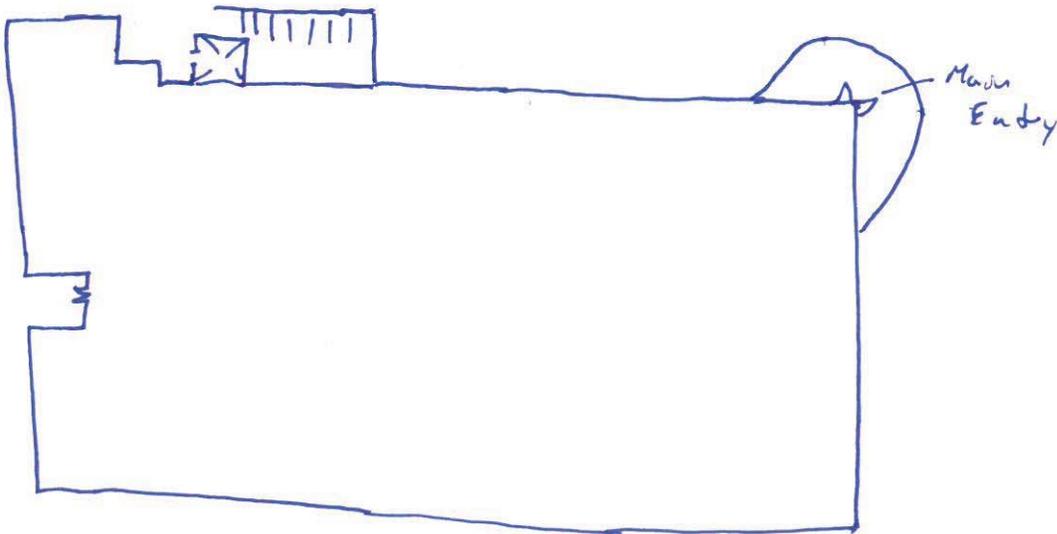
Bldg L

Roof View



Metal wall

1st floor



Main Entry



ALTA

ENVIRONMENTAL

Sheet 1 of 1

Project Name Santa Ana College

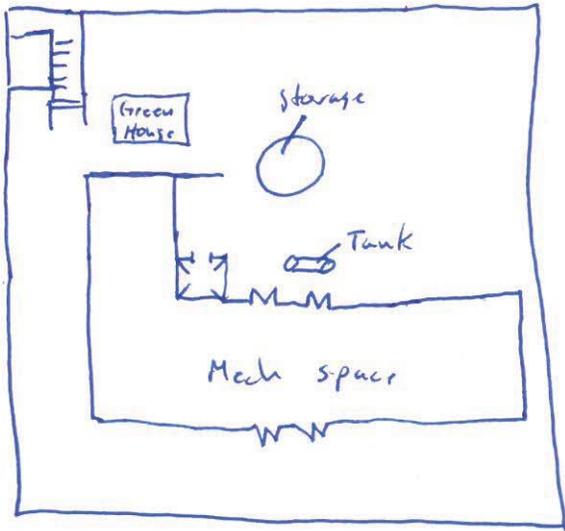
Project No./Task No. RSCC-15-4983

Calculated by F.R. Date 1-23-15

Checked by _____ Date _____

Bby R

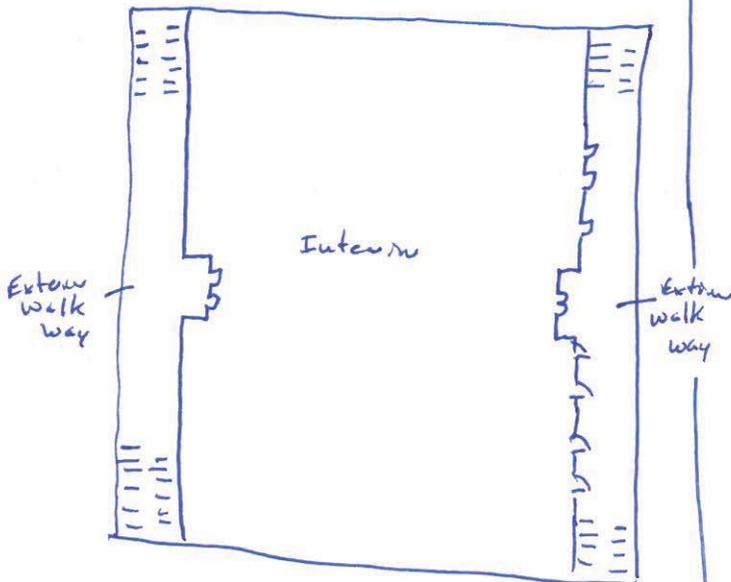
Scale No Scale



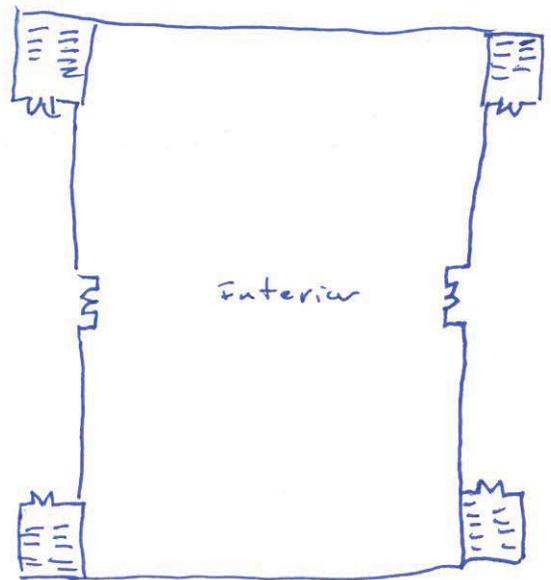
Roof View



2nd -> 3rd Floor

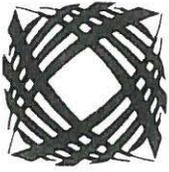


1st Floor



11x150





ALTA
ENVIRONMENTAL

Sheet ____ of ____

Project Name _____

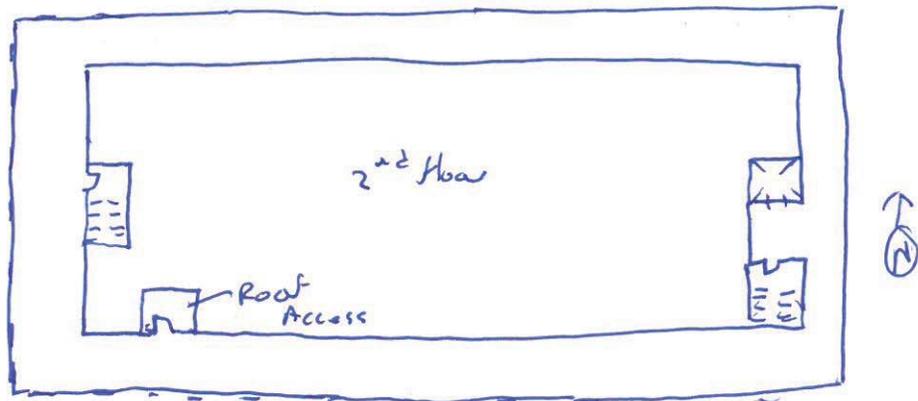
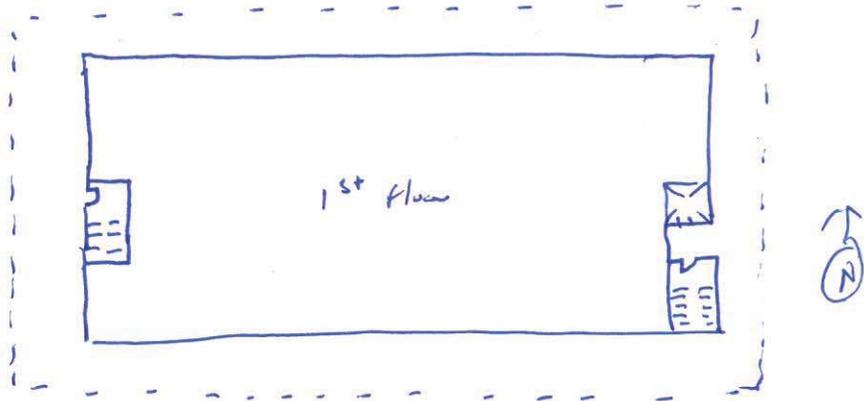
Project No./Task No. _____

Calculated by _____ Date _____

Checked by _____ Date _____

Scale No Scale

Bldg T



Appendix C

Alta Environmental Employee Certifications

State of California Department of Public Health

Lead-Related
Construction
Certificate

Certificate
Type

Expiration
Date



Inspector/Assessor 12/06/2015



Fabian Ruvalcaba

ID #: 22130

State of California Department of Public Health

Lead-Related
Construction
Certificate

Certificate
Type

Expiration
Date



Inspector/Assessor	01/16/2016
Project Monitor	01/16/2016



Cesar A. Ruvalcaba

ID # 6855

