Hazardous Building Material Survey

Long Beach City College – Liberal Arts Campus
Veterans Stadium and Ticket Booth Structures
4901 East Carson Street
Long Beach, California 90808

Long Beach Community College District

4901 East Carson Street – G21 | Long Beach, California 90808

May 9, 2024 | Project No. 210407005

Geotechnical | Environmental | Construction Inspection & Testing | Forensic Engineering & Expert Witness

Geophysics | Engineering Geology | Laboratory Testing | Industrial Hygiene | Occupational Safety | Air Quality | GIS

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

35+ YEARS

Hazardous Building Material Survey

Long Beach City College – Liberal Arts Campus
Veterans Stadium and Ticket Booth Structures
4901 East Carson Street
Long Beach, California 90808

Mr. Soufiane Boudiaf
Cordoba Corporation Bond Management Team
Long Beach Community College District
4901 East Carson Street – G21 | Long Beach, California 90808

May 9, 2024 | Project No. 210407005

Ivan Ortega, CSST, LRC
Senior Staff Environmental Scientist
Site Surveillance Technician No.20-6898
Lead Sampling Technician No.3179

David M. Kelly, CAC, CRIE, LRC
Senior Project Environmental Scientist
Certified Asbestos Consultant No. 23-7217
Lead Sampling Technician No. 2285

Stephen J. Waide, CIH, CSP, CIEC, CMC
Principal Environmental Scientist

IAO/DMK/SJW/scs

CONTENTS

TABLES

FIGURE

APPENDICES

1 INTRODUCTION

In accordance with the Long Beach Community College District's authorization, Ninyo & Moore has performed a hazardous building material survey in support of upcoming demolition activities of the Veterans Stadium within the Liberal Arts Campus located at 4901 East Carson in Long Beach, California (the site; Figure 1). This report has been prepared in accordance with generally accepted environmental science and engineering practices. This report is based on conditions at the site at the time of the sampling activities and provides documentation of our findings and recommendations.

2 PURPOSE AND SCOPE OF SERVICES

The objective of the survey is to provide information about current conditions within the site structures regarding the potential presence of asbestos-containing materials (ACM), lead-containing surfaces (LCS), lead-based paint (LBP), and other hazardous materials which may require removal prior to the planned renovation activities. For the purposes of this assessment, LCS refers to lead in paint or other surfaces at any amount as defined by Title 8 California Code of Regulations (CCR) 1532.1. LBP is defined by the California Department of Public Health (CDPH) and the United States Department of Housing and Urban Development (HUD), 24 Code of Federal Regulations (CFR) 35.110 as a paint or other surfaces that contain lead equal to or exceeding 1.0 milligram per square centimeter.

The scope of services we performed is summarized below:

- Reviewed the previous survey report, 2021, Ninyo & Moore, Environmental and Hazardous Material Survey, Long Beach City College-Liberal Arts Campus, Veterans Stadium and Ticket Booth Structures, 4901 East Carson Street, Long Beach California, dated December 17. Portions of the report were utilized to develop a sampling work plan and document sample collection. The previous report is presented in Appendix A.

- Performed a visual reconnaissance of the building to evaluate the possible presence of ACM, LBP, LCS, and Universal Wastes.

- Collected 33 bulk samples and submitted these samples to an independent laboratory for analysis of asbestos content. Samples were analyzed in accordance with the United States Environmental Protection Agency (EPA) recommended method of Polarized Light Microscopy (PLM) in accordance with EPA Test Method 600/R-93/116 July 93.

- Collected 101 X-Ray fluorescence (XRF) readings (including calibrations) of potential LCS.

- Performed a visual assessment and quantification of miscellaneous hazardous materials including, but not limited to, fluorescent light bulbs (possible mercury); fluorescent light ballasts (possible PCB-containing oils); high intensity light bulbs (possible mercury); thermostat switches (possible liquid mercury and/or batteries); emergency lighting and exit signs (possible lead acid or other metal containing batteries or tritium); heating, ventilation, and air conditioning (HVAC) and refrigeration systems (possible chlorofluorocarbon [CFC] gas); and other possible hazardous materials.

- Prepared a field drawing showing suspect ACM and positive XRF sampling locations.
- Prepared this report, which presents our data and summarizes field activities, evaluated materials, and locations. This report includes a field drawn sample location map, a general area building description, laboratory testing information, laboratory test results, and conclusions and recommendations.

3 SITE BUILDING DESCRIPTIONS

The survey consisted of three structures and the field. Their general descriptions are described below.

Veterans Stadium (Building S) is a 61,750 square-foot (SF) concrete structure with a noted construction date of 1950. The structure includes classrooms, restrooms, locker rooms, offices, electrical closets, concessions, kitchens, a maintenance yard, a weight room, a press box, and storage rooms. The ground level interior walls are finished with either drywall, plaster, or ceramic tiles within some of the restroom locations. The exterior perimeter walls are finished with concrete. Ceilings are finished with various types of ceiling tiles, drywall, or exposed concrete. The concrete flooring substrate which is present throughout, has finishes of vinyl floor sheeting, carpet, rubber flooring, ceramic tiles, vinyl floor tiles, or textured flooring. Roofing areas at the first-floor level are finished with roll-on asphalt, tar, and gravel roofing materials. The press box roof is finished with a built-up Ethylene Propylene Diene Terpolymer roofing system.

The **Ticket Booth** structure is located adjacent and directly west of the Veteran's Stadium. It includes an approximate 600 SF area. The flooring area is finished with vinyl floor tiles. The interior walls are finished with plaster. The exterior walls are finished with stucco. The roof is finished with tar and gravel roofing materials.

The **Scoreboard storage room** structure is located directly under the scoreboard and comprises an approximate 70 square feet. The exterior walls are finished with brick and mortar. The roof is finished with asphalt shingles.

4 FIELD LIMITATIONS

Survey activities were limited to the aboveground structures of the subject site within our scope. Underground utilities, such as suspect cementitious water lines or suspect insulated/coated gas or electrical lines, were not assessed during survey activities.

No physical limitations, such as inaccessible rooms or spaces, were encountered during survey activities within the structures at the site. While some well-hidden suspect ACM may have escaped evaluation, all observed layers of suspect building material (to joist- or frame-level) as

well as materials above plenums, inside soffits, or other concealed spaces have been evaluated. If suspect materials and/or surfaces encountered during demolition activities that have not been assessed. The materials and/or surfaces should be sampled and analyzed to assess whether they are asbestos- and/or lead-containing in order to determine the proper handling and disposal.

5 ASBESTOS SURVEY

The asbestos survey was performed on April 19, 2024, Mr. Ivan Ortega a California Department of Occupational Safety and Health (DOSH) Certified Site Surveillance Technician (No. 20-6898). The survey was performed under the supervision of Mr. David M. Kelly, a DOSH Certified Asbestos Consultant (No. 23-7217). Consultant certificates are presented in Appendix B.

5.1 Asbestos Inspection, Sampling, and Quantification

The survey inspection and sampling procedures were performed in accordance with the guidelines published by the EPA in 40 Code of Federal Regulations (CFR) Part 763 Subpart E, October 30, 1987 (Asbestos Hazard Emergency Response Act [AHERA]); the EPA guidance document “Asbestos in Buildings: Simplified Sampling Scheme for Friable Surfacing Materials (EPA 560/5-85-030a, October 1985); the National Emission Standards for Hazardous Air Pollutants (NESHAP; 40 CFR Part 61, subpart M); and the South Coast Air Quality Management District (SCAQMD) Rule 1403.

The survey consisted of three parts including: visual inspection, sampling, and quantification of the building materials.

5.1.1 Visual Inspection

Initial observations were made throughout the structures to evaluate the presence and condition of accessible suspect materials. Materials which were similar in general appearance were grouped into homogeneous sampling areas (areas in which the materials are uniform in color, texture, construction, or application date), as recommended by the EPA. Each homogeneous area was observed for material type, location, condition, and friability.

The definition of friability is any material containing more than one percent asbestos that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. The EPA’s NESHAP regulation has different material categories for ACMs. These categories are used when demolition or renovation projects are being conducted. Each identified suspect homogeneous material was placed in one of the following EPA categories:

- **Category I Non-friable** - NESHAP defines a Category I non-friable ACM as packing, gaskets, resilient floor covering (except sheet flooring products which are considered friable), and asphalt roofing products which contain more than one percent asbestos.

- **Category II Non-friable** - NESHAP defines a Category II non-friable ACM as any material, except for Category I non-friable ACM, which contains more than one percent asbestos and cannot be reduced to a powder by hand pressure when dry.

- **Regulated Asbestos Containing Material (RACM)** - is (a) friable asbestos material, (b) Category I nonfriable ACM that has become friable, (c) Category I nonfriable ACM that will be or has been subjected to sanding, grinding, cutting or abrading, or (d) Category II nonfriable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations.

In accordance with the EPA and AHERA, suspect materials were placed in one of three classifications:

- **Surfacing Materials** - materials generally applied via sprayed or trowel methods,

- **Thermal Systems Insulation (TSI)** - materials generally applied to various mechanical systems, or

- **Miscellaneous Materials** - any materials which do not fit in the Surfacing or TSI classifications.

Since this site is within SCAQMD jurisdiction, all Rule 1403 requirements must be followed. The SCAQMD Rule 1403 requirements for asbestos emissions from demolition/renovation activities requires a facility survey. The affected facility or facility components must be thoroughly surveyed for the presence of asbestos prior to any demolition or renovation activity. The survey shall include the inspection, identification, and quantification of all friable, and Class I and Class II nonfriable ACM, and any physical sampling of materials. SCAQMD definitions for asbestos are as follows:

- **Asbestos-containing material (ACM)** - is both friable asbestos-containing material or Class I nonfriable asbestos-containing material.

- **Asbestos-containing waste material (ACWM)** - is any waste that contains commercial asbestos and that is generated by a source subject to the provisions of this rule. ACWM includes, but is not limited to, ACM which is friable, has become friable, or has a high probability of becoming friable, or has been subjected to sanding, grinding, cutting, or abrading, and the waste generated from its disturbance, such as asbestos waste from control devices, particulate asbestos material, asbestos slurries, bags or containers that previously contained asbestos, used asbestos-contaminated plastic sheeting and clothing, and clean-up equipment waste, such as cloth rags or mop heads.

- **Class I nonfriable asbestos-containing material** - is material containing more than one percent (1%) asbestos, and that, when dry, can be broken, crumbled, pulverized, or reduced to powder in the course of demolition or renovation activities. Actions which may cause material to be broken, crumbled, pulverized, or reduced to powder include

physical wear and disturbance by mechanical force, such as, but not limited to, sanding, sandblasting, cutting or abrading, improper handling or removal or leaching of matrix binders. Class I nonfriable asbestos-containing material includes, but is not limited to, fractured or crushed asbestos cement products, transite materials, mastic, roofing felts, roofing tiles, cement water pipes and resilient floor covering.

- **Class II nonfriable asbestos-containing material** - is all other material containing more than one percent (1%) asbestos, that is neither friable nor Class I nonfriable.

- **Friable asbestos-containing material** - is material containing more than one percent (1%) asbestos, and that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.

If asbestos is identified in a sample from a homogeneous area, the entire homogeneous area is considered to contain asbestos. Representative samples were collected from each homogeneous area within the scope of work.

5.1.2 Sampling Procedures

Following an initial walkthrough, the inspector collected selected samples of accessible materials identified as suspect ACM. EPA, AHERA, NESHAP, and SCAQMD guidelines were used to determine the sampling protocol. Sampling locations were chosen to be representative of the homogeneous material. Samples of surfacing material were collected in general accordance with the EPA sampling protocol outlined in EPA 560/5-85-030a, October 1985. Representative samples were collected from already damaged areas or areas which were the least visible. Samples of miscellaneous materials were collected as randomly as possible, while attempting to sample already damaged areas so as to minimize disturbance of the material. Generally, one to three samples of each homogeneous material were collected of miscellaneous materials and TSI, if present.

5.1.3 Quantification

Quantities of accessible and/or exposed building materials that were suspected of containing asbestos were estimated by taking approximate measurements in the field. Quantities are presented in SF or linear feet to be used as a guide for contractor estimates on bidding for abatement activities. It is the abatement contractor's responsibility to confirm quantities prior to bidding and removal.

5.2 Asbestos Laboratory Analysis Procedures

Analysis was performed by Eurofins Built Environment Testing (Eurofins), located at 2841 Dow Avenue, Suite 300 in Tustin, California (phone number 866-888-6653). Eurofins is a National Volunteer Laboratory Accreditation Program (NVLAP) accredited laboratory (NVLAP No.

200757-0). A chain-of-custody, documenting the possession of the samples from the time they were collected until analyzed and stored, was submitted with the bulk samples. The original chain-of-custody accompanied the materials at all times. Custody documentation began at the time samples were collected and each transferor retained a copy of the chain-of-custody record.

Analysis was performed by using the bulk sample for visual observation and slide preparation(s) for microscopic examination and identification. The samples were mounted on slides and then analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/tremolite), fibrous non-asbestos constituents (mineral wool, paper, etc.), and non-fibrous constituents. Refractive indices, morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation identified asbestos. The same characteristics were used to identify the non-asbestos constituents.

The microscopist visually estimated relative amounts of each constituent by determining the volume of each constituent in proportion to the total volume of the sample, using a stereoscope. The bulk samples were analyzed by PLM with dispersion staining as described by the method of the determination of asbestos in bulk insulation, EPA/600/R-93/116, July 1993. This is a standard method of analysis in optical mineralogy and the currently accepted method for the determination of asbestos in bulk samples. A suspect material is immersed in a solution of known refractive index and subjected to illumination by polarized light. The characteristic color displays which result enable mineral identification.

6 LEAD SURVEY

The lead survey was performed on April 19, 2024, by Mr. Edilberto Quintero, a CDPH Lead-Related Construction (LRC) Sampling Technician (No. 0274). Work was performed under the supervision of Mr. David M. Kelly, a CDPH Sampling Technician (No. 2285) and Mr. William Larkin, a CDPH LRC Inspector/Assessor (No. 1285). Consultant certificates are presented in Appendix B.

The survey was conducted using a portable Sci-Aps 550 XRF analyzer in accordance with accepted environmental science and engineering practices. The protocol used for selecting components and sampling locations was that contained in the federal HUD “Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing” (Chapter 7 “Lead-Based Paint Inspection”), except the inspection was limited to accessible materials and, once a pattern was recognized for the component results, fewer readings for each component were collected.

The XRF analyzer used for the testing is a direct-reading instrument that determines the concentration of lead in painted surfaces by subjecting the surfaces to energy from a small

radioactive source. When the instrument is placed against a surface, the energy from the XRF causes the surface to emit X-Rays that are indicative of the chemical make-up of the surface coating(s), which the XRF then analyzes. The instrument was calibrated to the manufacturer's specifications and the calibration was checked, at least every four hours and at the beginning and completion of each set of readings, against known lead sample standards produced by the National Institute of Standards and Testing. The XRF instrument measures lead in units of milligrams per square centimeter (mg/cm^2). A total of 101 XRF readings were collected (including calibration checks) over the course of the survey activities.

The CDPH requires that, after a lead evaluation is performed, a copy of CDPH form 8552 "Lead Hazard Evaluation Report" should be submitted. Ninyo & Moore has faxed this form to the CDPH and a copy is included in Appendix C.

7 INVENTORY OF UNIVERSAL WASTES

A visual evaluation of the structures was performed to quantify miscellaneous hazardous building materials. This included, but was not limited to, potential mercury-containing thermostats, switches, and fluorescent light tubes; items potentially containing PCBs; potential tritium or battery-containing exit signs; and potential CFC-containing refrigeration systems within HVAC units.

8 SURVEY RESULTS

The following sections describe the survey and inventory results.

8.1 Asbestos Survey

A total of 33 samples of suspect ACM were collected and transferred under chain of custody procedures to Eurofins for analysis. The lower limit of reliable detection for asbestos using the PLM method is approximately 1 percent by volume. In the state of California, DOSH regulations consider construction materials to be *asbestos containing construction materials* (ACCM) if at least one sample from a homogeneous area contains asbestos content of greater than one tenth of 1 percent (>0.1 percent) which is confirmed by PLM point count analysis (PLM 400- or 1000-point count analysis). Materials in which no asbestos was detected are defined in the laboratory report as "None detected." Inaccessible suspect ACM that are suspect of being ACM are noted to be assumed asbestos containing.

8.2 Asbestos Results Summary

Based on the referenced report, the field observations and the analytical results of bulk samples collected during the survey, ACM was detected within the structures at the site. The building materials which were sampled and found to be ACM are summarized in Table 1. The building materials which were sampled and found to be *non-asbestos* containing are summarized in Table 2. The previous relevant survey report and supporting documents are presented in Appendix A. A copy of the current laboratory analytical report and chain-of-custody records are presented in Appendix D. General photographic documentation of the structure and areas sampled is presented in Appendix E. The sample locations are shown on the field drawing presented in Appendix F.

Table 1 – Positive Asbestos Survey Results

Sample No. from COC	HA No.	Material	Location	Friable (Yes or No)	Condition	Approximate Quantity/ Asbestos Content	Photograph No.
Veterans Stadium (Building S)							
07 – 09	3	Gray/black pipe wrap	North side pipe riser	No	Intact	1 SF Gray/ black wrap: 40% CH	3
13 – 15	5	Caulking	Press box exterior windows	No	Intact	30 SF Black caulk: ND Gray caulk: ND Gray/ white caulk: <1% CH PC: 0.25% CH	4
25 – 27	9	Cementitious pipe	Stadium office roof	No	Intact	15 SF Gray Transite: 12% CH 4% CR	6
NA	NA	Mirror mastic	Throughout gym, adaptive facility, & restrooms	No	Intact	300 SF Assumed	See App. A
NA	NA	Pipe gaskets	Fire riser (pipe) – exterior south	No	Intact	3 SF (3 EA) Assumed	See App. A
Ticket Booth							
114 – 116*	35	Tar & Gravel	Roof	No	Intact	600 SF Black roof material: 8% CH	See App. A
Scoreboard Storage Room							
19 – 21	7	Black mastic	Roof vent pipes	No	Intact	4 SF Black Non-Fibrous Material: ND Black Mastic: 8% CH	5

Notes:
ACM – asbestos containing material
App. A – Appendix A, Previous Relevant Reports
CH – chrysotile
COC – chain of custody
CR – crocidolite
HA – homogeneous
NA – not applicable
ND – non detect
No. – number
SF – square feet
* Previous survey report, 2021, Ninyo & Moore, Environmental and Hazardous Material Survey, Long Beach City College-Liberal Arts Campus, Veterans Stadium and Ticket Booth Structures, 4901 East Carson Street, Long Beach, California, dated December 17.

I, Mr. David M. Kelly, (CAC No. 23-7217) assume the previously sampled Tar & Gravel roofing material associated with the Ticket Booth structures identified in the previous survey report at the site and presented in Table 1 are ACM.

Based on our building construction knowledge and many years of experience performing asbestos survey's, it is common for a suspect asbestos-containing mastic material to have been utilized to secure mirrors to walls in structures. In addition, pipe gaskets that are utilized between flanges of fire related equipment also commonly contain asbestos. I, Mr. Kelly, assume the mirror mastic located within the gym, adaptive facility and restrooms and the pipe gaskets associated with the fire riser equipment to be ACM at the site. The mirror mastic and pipe gaskets should be made accessible prior to demolition in order to determine the appropriate handling and disposal of the materials. The sampling should be performed by a certified CSST and or CAC.

The caulking associated with press box windows have been confirmed by PLM 400-point count analysis to be less than one-percent asbestos and can be treated as ACCM (less than one percent asbestos). The caulking is not subjected to SCAQMD Rule 1403 requirements.

Please note that the quantities of ACM are approximate. It is the abatement contractor's responsibility to confirm quantities prior to bidding and removal activities.

Table 2 – Non-Asbestos Containing Materials Sampled

Sample No. from COC	HA No.	Sample Material Descriptions	Material Location
Veterans Stadium (Building S)			
01 – 03	1	Ducting mastic pipe wrap	Stadium office roof
04 – 06	2	Black mastic	Exterior north side on conduit pipes
10 – 12	4	Vinyl sheeting w/ glue	Concession counter tops
28 – 30	10	Fire stop	Fire control room
Scoreboard Storage Room & Site			
16 – 18	6	Brick & mortar	Field perimeter and storage room walls
22 – 24	8	Core (Asphalt shingles)	Scoreboard storage room
31 – 33	11	Asphalt pavement	Exterior

Notes:
COC – chain of custody
HA – homogeneous
No. – number
W/ – with
& – and

The previous relevant survey report presented in Appendix A has the supporting laboratory data for the building materials that were sampled and reported to be non-asbestos containing.

8.3 Lead-Containing Surfaces Summary

Federal efforts to regulate LBP began with the LBP Poison Prevention Act in 1971. In 1973, the Consumer Product Safety Commission (CPSC) defined LBP as paint having lead content equal to or greater than 0.5 percent by weight (1.0 mg/cm^2 by XRF) in a dry film of newly applied paint. In 2009, the CPSC lowered the allowable lead levels in new paint to 0.009 percent by weight. HUD developed guidelines relating to HUD facilities that specified lead content of 0.5 percent as an action level in determining the need for corrective action. However, a more stringent level is established by Los Angeles County Department of Health Services which defines "dangerous levels of lead-bearing substances" as paint or other surface coating with lead greater than 0.7 mg/cm^2 (Los Angeles County Code, Title 11, Chapter 11.28, Section 11.28.010 C). Federal and State DOSH do not define the amount of lead in paint to a regulatory requirement, rather the activities, or task, define when the regulation is in effect. Both Federal and State standards use the term "trigger task" activities. In the work place, employers must make certain assumptions of the exposure levels and comply with regulations based on the level of disturbance rather than the lead level.

A total of 106 XRF readings were collected from the representative testing combinations (e.g., unique combination of room equivalent, building component, substrate, and color) within the planned renovations of the structures. LBP was detected within the planned renovation areas at the site. In addition, some building components were reported to have detectable amounts of lead and are subject to DOSH Lead in Construction Standard, Title 8 CCR 1532.1. The LBP building components are presented in Table 3. The previous relevant survey report and supporting documents are presented in Appendix A. Photographic documentation is presented in Appendix E. The positive LBP XRF sample locations are shown on the field drawing presented in Appendix F. A summary of all XRF readings (including the building components with the detectable amounts of lead) is presented within Appendix G.

Table 3 – Positive Lead Results Summary

Room/Area	Component	Substrate	Condition	Color	Approximate Quantity	Photograph No.
Veterans Stadium (Building S)						
Exterior bleacher area	Chairs	Plastic	Intact	Red	20,000 SF	9
Exterior press box	Door frame	Metal	Intact	Gray	1 EA	10
Exterior north	Pipe	Metal	Intact	Gray	10 SF	11
Exterior roof	Pipe	Cementitious	Intact	Gray	1 EA	12
Exterior roof	Pipe	Cementitious	Intact	White	2 EA	12
Exterior roof	Pipe	Metal	Intact	White	35 EA	12
Exterior roof	Vent pipe	Metal	Intact	White	10 EA	13
Exterior mechanical room	Door frame	Metal	Intact	Gray	2 EA	14
Men's & Women's Locker Room*	4"x4" wall tile	Ceramic	Intact	Light Gray & Red	452 SF	See App. A
Men's & Women's Locker Room*	4"x4" cove base	Ceramic	Intact	Gray	100 SF	See App. A

Table 3 – Positive Lead Results Summary

Room/Area	Component	Substrate	Condition	Color	Approximate Quantity	Photograph No.
Adaptive facility, Locker Rooms 1-4, Men's & Women's Restrooms, Press Box 1st level Men's Restroom & Press Box 2nd Level Women's Restroom*	Sink	Porcelain	Intact	White	59 EA	See App. A
Janitor's closets &, Locker Room 4 Storage room*	Deep Sink	Metal	Intact	White	5 EA	See App. A
Locker Rooms 1-4*	Drinking fountain	Porcelain	Intact	White	4 EA	See App. A
Locker Rooms 1-4 & Press Box Men's Restroom*	Urinals	Porcelain	Intact	White	17 EA	See App. A
Locker Rooms 1-2, Kitchen, & Men's Restrooms*	4"x4" wall tile 2"x2" floor tile	Ceramic	Intact	Light Green Green	4,100 SF	See App. A
Locker Rooms 3-4*	4"x4" wall tile 2"x2" floor tile	Ceramic	Intact	Yellow	5,400 SF	See App. A
Women's Restrooms*	4"x4" Wall tile	Ceramic	Intact	Pink	1,400 SF	See App. A
Men's & Women's Restroom*	Round floor drain screens	Metal	Intact	Bronze	6 EA	See App. A
Ticket Booth						
Interior	Door frame & jamb	Wood	Intact	Black/White	4 EA	7
Field						
Exterior northwest track area	Water line	Metal	Intact	Yellow	4 SF	8
Scoreboard Storage Room						
ND						

Notes:
App. A – Appendix A, Previous Relevant Reports
EA – each
No. – number
SF – square feet
" – inches
& – and
* Previous survey report, 2021, Ninyo & Moore, Environmental and Hazardous Material Survey, Long Beach City College-Liberal Arts Campus, Veterans Stadium and Ticket Booth Structures, 4901 East Carson Street, Long Beach, California, dated December 17.

Please note that the quantities of LBP are approximate. It is the abatement contractor's responsibility to confirm quantities prior to bidding and removal activities.

8.4 Universal Wastes Inventory

Universal wastes were found within the structures. The descriptions and locations of universal wastes found to be present are summarized in Table 4.

Table 4 – Universal Waste Inventory

Hazardous Material Location	Hazardous Material Description	Estimated Quantity
Veterans Stadium (Building S)		
Throughout	4' Fluorescent bulbs	258 each
Throughout	Electrical light ballasts associated with 4' Fluorescent bulbs	198 each
Throughout corridors and Locker rooms 1-4	2' Circular fluorescent bulbs	75 each
Throughout corridors and Locker rooms 1-4	Electrical light ballasts associated with 2' Circular fluorescent bulbs	75 each
Building – S 05/07 Classroom, Press Box	4" Compact fluorescent bulbs	80 each
Throughout	Fire extinguishers *	8 each
Janitor's closet	Various chemicals *	25 each

Table 4 – Universal Waste Inventory		
Hazardous Material Location	**Hazardous Material Description**	**Estimated Quantity**
Concession stands and Locker Room 1	Ice machines (potential Freon)	4 each
Kitchen, storage 1-2, and concessions	Portable refrigerators (potential Freon)	7 each
Kitchen storage	Gas canisters *	9 each
Throughout	Water boilers *	7 each
Throughout corridors	Exit signs (tritium)	3 each
Janitor's closets, stadium locker room kitchen	Various chemicals *	110 each
Press Box roof access stairs	Bird feces **	4 SF
Exterior stadium lights	Large diameter HID bulbs (sodium vapor)	94 each
Exterior stadium lights	Ballast associated with large diameter HID bulbs	6 each
Classroom/office roofing and press box roof	HVAC units	15 each
Ticket Booth		
Interior	4' Fluorescent Light Bulbs	16 each
Interior	4' Fluorescent Light Ballasts	8 each
Field		
Field scoreboard	Transformer	1 each

Notes:
HID – high intensity discharge
HVAC – heating, ventilation, and air-conditioning
ND – non detect
SF – square feet
' – feet
" – inches
& – and
* Not a universal waste, but requires appropriate disposal in accordance with City requirements
** Not a universal waste and can be demolished with the building.

9 RECOMMENDATIONS

The following recommendations are provided.

9.1 Asbestos

- The identified ACM in Table 1 should not be disturbed by unauthorized personnel. Prior to demolition activities which would disturb identified ACM, a licensed abatement removal contractor should remove the ACM. The licensed abatement contractor must maintain current licenses as required by applicable state or local jurisdictions for the removal, transporting, disposal, or other regulated activities.

- Applicable laws and regulations should be followed, including those provisions requiring notification to regulatory agencies, building occupants, demolition contractors, and workers of the presence of asbestos.

- Asbestos abatement monitoring consulting services should be performed by a third-party environmental consultant, to include oversight of abatement contractor activities to be performed in accordance with the abatement specifications, daily air monitoring, clearances, verification of complete removal of hazardous materials, and preparation of a closeout report summarizing the abatement activities.

9.2 Lead

- The identified LBP within Table 3 and LCS within appendix G should not be disturbed by unauthorized personnel. All disturbances and removal activities should be performed by a licensed abatement contractor with certified lead personnel. All lead related removal activities should be performed in accordance with the DOSH Lead in Construction Standard, Title 8 California Code of Regulations (CCR) 1532.1.

- The metal lead-containing components presented may require removal prior to the planned renovation activities. If the Long Beach City College Point of Contact approves the recycling of the metal, the contractor can send it to a recycling facility that accepts lead-coated metals. Current documentation will be required to be provided noting that the recycling facility will be accepting metals with lead from the site.

- Proper lead waste stream categorization is required for lead components which will be removed. Prior to disposal, a composite sample of the representative LCS material should be analyzed for total lead for comparison with the Total Threshold Limit Concentration in accordance with EPA reference method SW-846. If the concentration of total lead is greater than or equal to 1,000 milligrams per kilogram (mg/kg), the LCS waste material must be disposed at a landfill which can receive such wastes. If the concentration is less than 50 mg/kg the sample may be disposed as construction debris, if it is to remain in California. If the total lead result is greater than or equal to 50 mg/kg and less than 1,000 mg/kg, the sample must be further analyzed for soluble lead by the Waste Extraction Test for comparison with the Soluble Threshold Limit Concentration (STLC) as described in Title 22 CCR 66261.24a. Additionally, if the result is greater than or equal to 100 mg/kg the sample must be further analyzed for leachable lead by the Toxicity Characteristic Leaching Procedure (TCLP) for comparison with the Resource Conservation and Recovery Act (RCRA) limits. Based on the results of the soluble and leachable analysis the waste material may require disposal as a RCRA-Hazardous waste or non-RCRA- (California-) Hazardous waste.

9.3 Universal Wastes

Universal wastes discussed in this report (Table 4), should be removed and properly recycled or disposed by the contractor during renovation activities. Contractor should provide proper manifesting for all hazardous materials removed and recycled to prove the disposal of all materials was completed in accordance with local, state, and federal requirements.

10 LIMITATIONS

Ninyo & Moore's opinions and recommendations regarding environmental conditions, as presented in this report, are based on limited sampling and chemical analysis. Further assessment of potential adverse environmental impacts may be accomplished by a more comprehensive assessment. The samples collected and used for testing, and the observations made, are believed to be representative of the area(s) evaluated. However, if additional suspect ACM, LBP, and LCS are encountered during renovation activities, these materials should be sampled by qualified personnel, and analyzed for content prior to further disturbance. In addition,

please note that quantities of Non-ACMs are approximate. These numbers should be confirmed prior to removal or repair activities.

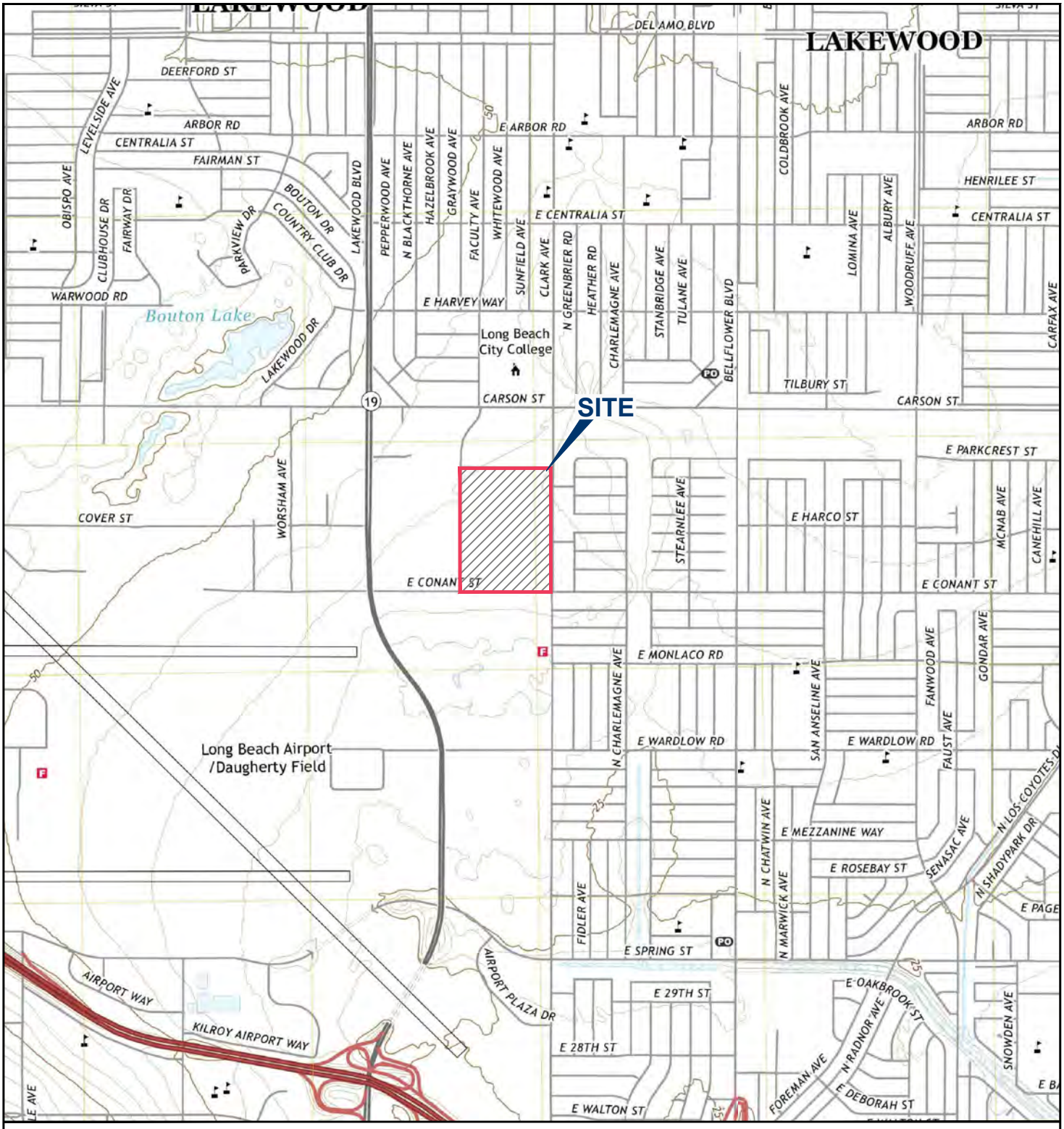
The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard-of-care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report. Variations in site conditions may exist and conditions not observed or described in this report may be encountered during subsequent activities.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information, or has questions regarding content, interpretations presented, or completeness of this document.

The environmental interpretations and opinions contained in this report are based on the results of laboratory tests and analyses intended to detect the presence and concentration of specific chemical or physical constituents in samples collected from the subject site. The testing and analyses have been conducted by an independent laboratory which is certified by the State of California to conduct such tests. Ninyo & Moore has no involvement in, or control over, such testing and analysis. Ninyo & Moore, therefore, disclaims responsibility for any inaccuracy in such laboratory results.

Our conclusions, recommendations, and opinions are based on an analysis of the observed site conditions. It should be understood that the conditions of a site can change with time as a result of natural processes or the activities of man at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control.

FIGURE



NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: USGS, 2018.

N

FEET

0 2,000 4,000

1_210407005_SL.dwg 04/29/2024 GK

FIGURE 1

SITE LOCATION

LBCC VETERANS STADIUM AND ADJACENT TICKET BOOTH
4901 EAST CARSON STREET
LONG BEACH, CALIFORNIA
210407005 I 5/24

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

APPENDIX A

Previous Relevant Reports

Environmental and Hazardous Material Survey

Long Beach City College-Liberal Arts Campus
Veterans Stadium and Ticket Booth Structures
4901 East Carson Street

Long Beach, California 90808

Long Beach Community College District

4901 East Carson Street – G21 | Long Beach, California 90808

December 17, 2021 | Project No. 210407004

Geotechnical | Environmental | Construction Inspection & Testing | Forensic Engineering & Expert Witness

Geophysics | Engineering Geology | Laboratory Testing | Industrial Hygiene | Occupational Safety | Air Quality | GIS

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

Environmental and Hazardous Material Survey
Long Beach City College-Liberal Arts Campus Veterans Stadium and Ticket Booth Structures 4901 East Carson Street
Long Beach, California 90808

Ms. Janay Wilson, Assistant Construction Manager
Cordoba Corporation
Bond Management Team
c/o Long Beach Community College District
901 East Carson Street – G21 | Long Beach, California 90808

December 17, 2021 | Project No. 210407004

Edilberto Quintero
Senior Staff Environmental Scientist
Asbestos Building Inspector No. 26983

David M. Kelly
Project Environmental Scientist
Certified Site Surveillance Technician No. 17-6144
HAZWOPER #204346

Michael S. Cushner
Senior Environmental Scientist
Certified Asbestos Consultant No. 11-4711
Lead Inspector/Risk Assessor #2155
EQ/DAP/DMK/MSC/SJW/mlc

Stephen J. Waide, CIH, CSP
Principal Environmental Scientist

CONTENTS

TABLES

FIGURE

APPENDICES

1 INTRODUCTION

In accordance with the Long Beach Community College District's authorization, Ninyo & Moore has performed an Environmental and Hazardous Material Survey at the Liberal Arts Campus within the Long Beach City College Distirct located at 4901 East Carson Street, Long Beach, California (site; Figure 1). The survey was performed for a feasibility study of the Veterans Stadium (Building S), for a future project consisting of renovations or complete demolition. The adjacent Ticket Booth structure was also requested to be evaluated as part of the study. This report has been prepared in accordance with generally accepted environmental science and engineering practices. This report is based on conditions at the site at the time of the sampling activities and provides documentation of our findings and recommendations.

2 PURPOSE AND SCOPE OF SERVICES

The objective of the survey is to provide information about current conditions within the site structures regarding the potential presence of asbestos containing materials (ACMs), lead-containing surfaces (LCS), and Polychlorinated Biphenyls (PCBs), which may be present and disturbed during upcoming renovation or demolition tasks. For the purposes of this assessment, LCS refers to both lead-based paint (LBP) and other potential lead-containing materials, as defined by the California Department of Public Health (CDPH) and the United States Department of Housing and Urban Development (HUD). Additional environmental evaluation tasks performed included determining baseline conditions for the potential presence of mold and water intrusion, and also to determine if dust allergens are present in carpeted areas.

The scope of services we performed for the survey is noted below:

- Reviewed the provided asbestos survey report, 2010, Abatec, Inc., (Abatec) Asbestos Sampling Report, Carson Campus B, C, D, E, G, Stadium Buildings, 4901 East Carson Street, Long Beach, California 90802, dated October 14, 2021. Portions of the report were utilized in order to develop a sampling work plan and to document sample collection.
- Performed a visual reconnaissance of the structures to evaluate the possible presence of ACMs, LCSs, PCBs, Universal Wastes, and Mold.
- Collected 117 bulk samples and submitted these samples to an independent laboratory for analysis of asbestos content. Samples were analyzed per the United States Environmental Protection Agency (EPA) recommended method of Polarized Light Microscopy (PLM) following EPA Test Method 600/R-93/116 July 93.
- Collected 108 X-Ray fluorescence (XRF) readings (including calibrations) of potential LCS.
- Collected three samples of suspect PCB sealant material and submitted the samples to an independent laboratory. The samples were analyzed in accordance with EPA Test Method 8082.

- Evaluated selected building materials for moisture content with a Delmhorst BD-2100 Moisture Meter.
- Photo-documented water-damaged areas (including mold growth, if present).
- Collected 12 mold spore air samples (ten interior and two exterior) for the evaluation of total airborne spores. The samples were submitted to a certified industrial hygiene laboratory for analysis.
- Collected three carpet dust allergen samples and the samples were submitted to a certified industrial hygiene laboratory for analysis in accordance with an Allergen-MARIA screen.
- Performed a visual assessment and quantification of miscellaneous hazardous materials including, but not limited to, fluorescent light bulbs (possible mercury); fluorescent light ballasts (possible PCB-containing oils); high intensity light bulbs (possible mercury); thermostat switches (possible liquid mercury and/or batteries); emergency lighting and exit signs (possible lead acid or other metal containing batteries or tritium); air handling and refrigeration systems (possible chlorofluorocarbon [CFC] gas); and other possible hazardous materials. This assessment also documented other items which have specific local city disposal requirements.
- Prepared field drawings showing suspect ACM, PCBs, lead XRF readings which resuted with lead containing or lead based paint, and areas with observed water staining.
- Prepared this survey report, which presents our data and summarizes field activities, evaluated building materials, and locations. This report includes field drawings, general building descriptions, laboratory testing information, laboratory test results, findings, conclusions, and recommendations which may be needed for abatement in support of renovation or demolition tasks.

3 SITE BUILDING DESCRIPTIONS

Two structures were evaluated for the feasibility study and their general descriptions are described below.

Veteran's Stadium (Building S); is a 61,750 square-foot (SF) concrete structure with a noted construction date of 1950. The structure includes classrooms, restrooms, locker rooms, offices, electrical closets, concessions, kitchens, a maintenance yard, a weight room, a press box, and storage rooms. The ground level interior walls are finished with either drywall,plaster, or ceramic tiles within some of the restroom locations. The exterior perimeter walls are finished with concrete. Ceilings are finished with various types of ceiling tiles, drywall, or exposed concrete. The concrete flooring substrate which is present throughout, has finishes of vinyl floor sheeting, carpet, rubber flooring, ceramic tiles, vinyl floor tiles, or textured flooring. Roofing areas at the first-floor level are finished with roll-on asphalt, tar, and gravel roofing materials. The press box roof is finished with a built-up Ethylene Propylene Diene Terpolymer roofing system.

The **Ticket Booth** structure is located adjacent and directly west of the Veteran's Stadium. It includes an approximate 600 SF area. The flooring area is finished with vinyl floor tiles. The

interior walls are finished with plaster. The exterior walls are finished with stucco. The roof is finished with tar & gravel roofing materials.

4 FIELD LIMITATIONS

The restroom located on the southern end (near Facilities Maintenance Offices) of the Veterans Stadium was sealed shut and inaccessible without performing destructive means to access. Since non-destructive sampling techniques were used, there is a possibility that additional ACMs and LCSs may be encountered in inaccessible areas (e.g., wall cavities, interstitial spaces) during building renovation or demolition activities.The sub-surface of the Stadiium and Ticket Booth was not evaluated as part of this scope of work.

5 ASBESTOS SAMPLE COLLECTION AND LABORATORY ANALYSIS

The asbestos survey was performed on November 18, 2021, by Mr. Edilberto Quintero, a California Department of Occupational Safety and Health (DOSH) Asbestos Building Inspector (#26983). Work was performed under the direct supervision of Mr. David Kelly, a DOSH Asbestos Site Surveillance Technician (#17-6144) and Mr. Michael Cushner, a DOSH Certified Asbestos Consultant (#11-4711). Consultant certificates are presented in Appendix B.

5.1 Asbestos Inspection, Sampling, and Quantification

The survey inspection and sampling procedures were performed in accordance with the guidelines published by the EPA in 40 Code of Federal Regulations (CFR) Part 763, Subpart E, October 30, 1987 (Asbestos Hazards Emergency Response Act [AHERA]); the EPA guidance document “Asbestos in Buildings: Simplified Sampling Scheme for Friable Surfacing Materials (EPA 560/5-85-030a, October 1985); the National Emission Standards for Hazardous Air Pollutants (NESHAP; 40 CFR Part 61, subpart M); and the South Coast Air Quality Management District (SCAQMD) Rule 1403.

The survey consisted of three parts including: visual inspection, sampling, and quantification of the building materials.

5.1.1 Visual Evaluation

Initial observations were made throughout the structures to evaluate the presence and condition of accessible suspect materials. Materials which were similar in general appearance were grouped into homogeneous sampling areas (areas in which the materials are uniform in color, texture, construction, or application date), as recommended by the EPA. Each homogeneous area was observed for material type, location, condition, and friability.

The definition of an asbestos containing friable material is one that contains more than one percent asbestos and when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. The EPA's NESHAP regulation has different material categories for ACMs. These categories are used when demolition or renovation projects are being conducted. Each identified suspect homogeneous material was placed in one of the following EPA classifications:

- **Category I Non-friable** - NESHAP defines a Category I non-friable ACM as packing, gaskets, resilient floor covering (except sheet flooring products which are considered friable), and asphalt roofing products which contain more than one percent asbestos.
- **Category II Non-friable** - NESHAP defines a Category II non-friable ACM as any material, except for Category I non-friable ACM, which contains more than one percent asbestos and cannot be reduced to a powder by hand pressure when dry.
- **Regulated Asbestos Containing Material** - is (a) friable asbestos material, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations.

In accordance with the EPA and AHERA, suspect materials were placed in one of three categories:

- **Surfacing Materials** - materials generally applied via sprayed or trowel methods,
- **Thermal Systems Insulation (TSI)** - materials generally applied to various mechanical systems, or
- **Miscellaneous Materials** - any materials which do not fit in the Surfacing or TSI classifications.

If asbestos is identified in a sample from a homogeneous area, the entire homogeneous area is considered to contain asbestos.

Representative samples were collected from each homogeneous area within the survey area, except areas that were inaccessible, or areas of assumed ACM, within the limitations of the survey.

5.1.2 Sampling Procedures

Following an initial walkthrough, the inspectors collected selected samples of accessible materials identified as suspect ACM. EPA, AHERA, NESHAP, and SCAQMD guidelines were used to determine the sampling protocol. Sampling locations were chosen to be representative of the homogeneous material. Samples of surfacing material were collected in general accordance with the EPA sampling protocol outlined in EPA 560 5-85 030a, October

1985. Representative samples were collected from already damaged areas or areas which were the least visible. Samples of miscellaneous materials were collected as randomly as possible while attempting to sample already damaged areas to minimize material disturbance. Generally, three samples of each homogeneous material were collected of miscellaneous materials and TSI, if present.

5.1.3 Quantification

Quantities of accessible and/or exposed building materials that were suspected of containing asbestos were estimated by taking approximate measurements in the field. Quantities are presented in SF or linear feet to be used as a guide for contractor estimates on bidding for abatement activities. It is the abatement contractor's responsibility to confirm quantities prior to bidding and removal.

5.2 Asbestos Laboratory Analysis Procedures

Analysis was performed at EM Lab P&K (EM Lab), 17461 Derian Ave, Suite 100, Irvine, California (phone number 866-888-6653). EM Lab is a National Volunteer Laboratory Accreditation Program (NVLAP) accredited laboratory (NVLAP #200757-0). A chain-of-custody, documenting the possession of the samples from the time they were collected until analyzed and stored, was submitted with the bulk samples. The original chain-of-custody accompanied the materials at all times. Custody documentation began at the time samples were collected, and each transferor retained a copy of the chain-of-custody record.

Analysis was performed using the bulk sample for visual observation and slide preparation(s) for microscopic examination and identification. The samples were mounted on slides and then analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/tremolite), fibrous non-asbestos constituents (mineral wool, paper, etc.), and non-fibrous constituents. Refractive indices, morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation identified asbestos. The same characteristics were used to identify the non-asbestos constituents.

The microscopist visually estimated relative amounts of each constituent by determining the volume of each constituent in proportion to the total volume of the sample using a stereoscope. The bulk samples were analyzed by PLM with dispersion staining as described by the method of the determination of asbestos in bulk insulation, EPA/600/R-93/116, July 1993. This is a standard method of analysis in optical mineralogy and the currently accepted method for the determination of asbestos in bulk samples. A suspect material is immersed in a solution of known refractive

index and subjected to illumination by polarized light. The characteristic color displays, which result enable mineral identification.

6 LEAD EVALUATION

The LCS survey was performed on November 18, by Mr. David Pacheco a CDPH Lead-Related Construction (LRC) Sampling Technician (#1700). The survey was performed under the supervision of Mr. Michael Cushner, a CDPH LRC Inspector/Assessor (#2155). Consultant certificates are presented in Appendix B.

6.1 Lead Survey

The survey was conducted using a portable Niton XLP analyzer in accordance with accepted environmental science and engineering practices. The protocol used for selecting components and sampling locations was that contained in the federal HUD "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" (Chapter 7 "Lead-Based Paint Inspection"), except the inspection was limited to accessible materials and, once a pattern was recognized for the component results, fewer readings for each component were collected.

6.2 Lead Readings

The XRF analyzer used for the testing is a direct-reading instrument that determines the concentration of lead in paints by subjecting the paint to energy from a small radioactive source when the instrument is held against the painted surface and analyzes the absorption of X-Rays by the paint. The instrument was calibrated to the manufacturer's specifications and was also verified, at least every four hours and at the beginning and completion of each set of readings, against known lead sample standards produced by the National Institute of Standards and Testing. The XRF instrument measures lead in units of milligrams of lead per square centimeter of tested surface (mg/cm^2). A total of 310 XRF readings were collected (including calibration readings) over the course of the surveyed date.

The CDPH requires that after a lead evaluation is performed, a copy of CDPH form 8552, "Lead Hazard Evaluation Report" should be submitted. Ninyo & Moore has faxed this form to the CDPH, and a copy is included in Appendix C.

7 PCB EVALUATION

The PCB survey was performed on November 18, 2021 by Mr. David Pacheco and is trained in Hazardous Waste Operations and Emergency Response (HAZWOPER). The survey was

performed under the direct supervision of Mr. David Kelly, who is also current with HAZWOPER training. Consultant certificates are presented in Appendix B.

Suspect PCB building materials were visually assessed within the structures. Representative window putty and caulking samples were collected by scraping at least a 30-gram sample of the representative material, and placed in a 4-ounce jar. Analysis was performed by Enviro-Chem (Enviro-Chem) in Pomona, California. Enviro-Chem is an accredited environmental laboratory. Samples were analyzed in accordance with EPA Method 8082.

8 MICROBIAL EVALUATION

The microbial evaluation was performed on November 18, 2021, by Mr. David Kelly, an Industrial Hygienist. The survey was performed under the supervision of Mr. Stephen Waide, a Certified Industrial Hygienist. The evaluation included a visual assessment, the collection of moisture measurements and baseline mold spore air samples, and photographic documentation of water-damaged areas. Consultant certificates are presented in Appendix B.

8.1 Visual Assessment and Moisture Testing Methodology

A visual assessment was performed throughout the interior locations. Visible water staining and mold growth locations were documented, photographed, and noted on a field drawing where present. Moisture measurements were collected from target areas using a Delmhorst BD-2100 Moisture Meter. Random wall locations were evaluated and extensive measurements were collected in building materials where staining or water damage was visibly apparent. The moisture meter operates by measuring the electrical conductivity between two pins that are inserted into the sample substrate. Materials containing moisture exhibit increased conductivity compared to a dry sample of the same material. The meter provides a digital readout in real-time, reported in terms of percent moisture content.

8.2 Mold Spore Air Sampling Methodology

Spore trap air samples were collected for the evaluation of total airborne spores using Zefon™ Air-O-Cell sampling cassettes and a high-volume, rotating vane Gast™ sampling pump (calibrated to 15 liters of air per minute). The Air-O-Cell sampler is a particulate sampling cassette designed for the rapid collection and analysis of a wide range of airborne aerosols, including mold spores (to the genus level). This sampling device is useful in providing rapid analysis of airborne contaminants in indoor air quality testing. Samplers were calibrated on site immediately before use and samples drawn for a period of five minutes each. Each collected air sample was labeled with a unique identification number corresponding to the sample location. Collected samples were documented on a chain-of-custody form and submitted to the laboratory for analysis.

9 ALLERGEN EVALUATION

The allergen evaluation was performed on November 18, 2021, by Mr. David Kelly, an Industrial Hygienist. The evaluation was performed under the supervision of Mr. Stephen Waide, a Certified Industrial Hygienist. The evaluation included a visual assessment and the collection of dust samples from carpeted areas. Consultant certificates are presented in Appendix B. sections describe the survey results.

9.1 Visual Assessment and Sampling Methodology

The dust samples were collected from representative carpeted areas to determine the levels of different allergens (dust mites, cockroach, cat, and dog) which may be present. A DustChek™ Cassette attached to a vacuum pump was used to collect settled dust within the selected areas. Each collected dust sample was labeled with a unique identification number corresponding to the sample location. Collected samples were documented on a chain-of-custody form and submitted to the laboratory for analysis.

10 INVENTORY OF UNIVERSAL WASTES

The universal waste inventory (including items with local city disposal requirements) evaluation was performed on November 18, 2021, by Mr. David Pacheco in order to quantify and document miscellaneous universal wastes present within the structures (where present). This included, but was not limited to, potential mercury-containing thermostats, switches, and fluorescent light tubes; items potentially containing PCBs; potential tritium or battery-containing exit signs; and potential CFC-containing refrigeration systems within HVAC units.

11 SURVEY RESULTS

The following sections describe the survey results.

11.1 Asbestos Survey Summary

A total of 117 suspect ACM samples were collected and transferred to EM Lab for analysis. The lower limit of reliable detection for asbestos using the PLM method is approximately 1 percent by volume. In the state of California, DOSH regulations define asbestos-containing construction materials (ACCMs) if one sample from a homogeneous area contains asbestos content of greater than one-tenth of 1 percent (>0.1 percent), which has been verified by PLM point-count analysis. Materials in which no asbestos was detected are defined in the laboratory report as “None detected.” Materials containing asbestos, but in amounts less than 1 percent, are defined as containing “trace” amounts and, for the purpose of this report, are assumed to be ACCM. If

suspect ACMs exist which could not be sampled, they are noted to be assumed asbestos-containing, if present.

The suspect asbestos sampling summary of all samples collected, the associated laboratory analytical results, and estimated quantities (if found to be ACM) of the material which is present is summarized in Tables 1 (asbestos containing), and 2 (non-asbestos containing). A copy of the laboratory analytical report and chain-of-custody record is presented in Appendix C. General photographic documentation of the structure, areas where sampling tasks were performed (including the noted ACMs), is presented in Appendix D. The approximate asbestos bulk sampling locations are presented within the field drawing provided in Appendix E.

Table 1 – Positive and Asssumed Asbestos Survey Results

Sample No. from Chain of Custody	Material	Location	ACM Category	Condition	Approximate Quantity/ Asbestos Content	Photograph No.
Veterans Stadium (Building S)						
NA	Mirror mastic	Throughout gym, adaptive facility, & restrooms	NESHAP Category II Non-friable	G	300 SF / Assumed	2-4
NA	Pipe gaskets	Fire riser (pipe) – exterior south	NESHAP Category II Non-friable	G	3 EA / Assumed	5
Ticket Booth						
115 - 117	Tar & Gravel	Roof	NESHAP Category I Non-friable	G	600 SF Black Roofing Material – 8% CH	6

Notes:
ACM – Asbestos containing material
CH – Chrysotile
NA – not applicable
NESHAP – National Emissions Standards for Hazardous Air Pollutants
ND –None detected
No. – Number
SF – square feet
% - percent

The roofing core material of the Ticket Booth structure is found to be asbestos containing. Based on our building construction knowledge and many years of experience performing asbestos survey's, it is common for a suspect asbestos containing mastic material to have been utilized to secure mirrors to walls in structures. In addition, pipe gaskets that are utilized between flanges of fire related equipment are common to also contain asbestos. We have assumed the mirror mastic (located in various restrooms) and pipe gaskets (located at the fire riser equipment) to be present in the Stadium structure and to be asbestos containing. Special tools and equipment would have been needed to investigate areas behind mirrors and gaskets at fire riser locations which were not available at the time of the survey.

Please note that quantities of ACMs are approximate. It is the abatement contractor's responsibility to confirm quantities prior to bidding and removal activities. Change orders will not be accepted.

Table 2 – Non-Asbestos Containing Materials Sampled		
Sample No. from Chain of Custody	**Sample Material Descriptions**	**Material Location**
Veterans Stadium (Building S)		
01 - 07	Drywall and Joint Compound	Throughout walls interior walls, restroom walls and ceilings
08 – 14	Black & White, Black, Grey and Brown Carpet with Yellow Glue	Throughout offices, classrooms, adaptive facility, & locker room floors
15 – 17	Multi-color Carpet with Yellow and Grey Glue	Classroom S118 floor
18 – 20	Light Grey with Black Speckle Vinyl Floor Sheeting with yellow mastic	North side of building Corridor and under the carpet in office 17 flooring
21 – 23	4" Black and Brown Cove Base with White Mastic	Throughout walls/floors
24 – 26	2'x2' Textured Laid-in Ceiling Tile	Throughout offices and classrooms ceilings
27-31	Concrete Walls	Throughout exterior perimeter walls and stadium seating
32 – 34	Concrete Slab	Throughout Foundation
35 – 37	White Caulking	Throughout restroom toilets, urinals, & sinks
38 – 42	Plaster with Skim Coat Walls	Locker rooms, offices, kitchens, & storage room walls
43 – 45	Rubber Flooring with white glue	Weight Room Floor
46 – 48	2'x2' Pinhole Laid-in Ceiling Tile	Weight Room Ceiling
49 – 53	Grout and Thinset	Throughout restroom walls & floors
54	Under sink Black Coating	South side of building – Kitchen sink
55 – 57	Textured Coating	Throughout Concession flooring
58 – 60	12"x12" Vinyl Floor Tile with Black Mastic	Press Box Stairwell, Men's and Women's restroom floors
61 – 63	4" Grey Cove Base with Brown Mastic	Throughout Press Box walls/floors
64 – 66	1'x1' Pinhole Ceiling Tile with Mastic	Throughout Press Box Ceiling
67 – 69	Black Barrier Paper	Throughout plaster walls
70 – 72	Window Putty	Throughout 1st floor exterior windows
73 – 75	Expansion Joint Caulking	Throughout Ramps & Stadium Seating joints
76 – 78	Textured Flooring	Throughout Exterior Ramp Floors
79 – 81	Roof Core (Asphalt)	1st floor Roof
82 – 84	Roof Core (Tar and Gravel)	1st floor Roof
85 – 87	Black Penetration Mastic	1st floor Roof vents
88 – 90	Black Penetration Mastic	1st floor Roof vent pipes
91 – 93	White Penetration Mastic	Press Box Roof pipe penetrations and wind breaker wall posts
94 – 96	Roof Core (EPDM)	Press Box Roof
97 – 99	Stucco	Ramps & Concessions exterior walls
100 – 102	Grey Flooring Textured	South side of building – Kitchen & Restroom floors
1-3, 7, 8 *	Yellow fiberglass pipe and elbow insulation	Tank/Mecanical Area
4-6 *	Yellow fiberglass tank insulation	Tank/Mechanical Area
Ticket Booth		
103 – 105	4" Black Cove Base with Yellow Mastic	Throughout Ticket Booths walls/floors
106 – 108	12"x12" Vinyl Floor Tile with Black Mastic	Throughout Ticket Booths floors
109 – 111	Plaster with Skim Coat Walls	Throughout Ticket Booths walls & ceilings
112 – 114	Stucco	Throughout Ticket Booths exterior walls

Notes:
EPDM – ethylene propylene diene terpolymer
No. – number
& - and
" – inch
' – feet
* – Relevant sample data from the 2010 Abatec Report

11.2 Lead-Containing Surfaces Summary

Federal efforts to regulate LBP began with the LBP Poison Prevention Act in 1971. In 1973, the Consumer Product Safety Commission (CPSC) defined LBP as paint having lead content equal to or greater than 0.5 percent by weight in a dry film of newly applied paint. In 1978, the CPSC lowered the allowable lead levels in new paint to 0.06 percent, which is considered lead containing paint (LCP). HUD developed guidelines relating to HUD facilities that specified lead content of 0.5

percent (1.0 mg/cm^2) as an action level in determining the need for corrective action. However, a more stringent level is established by the Los Angeles County Department of Health Services, which defines "dangerous level of lead-bearing substances" as paint or other surface coatings with lead in excel of 0.7 mg/cm^2 (Los Angeles County Code, Title 11, Chapter 11.28, Section 11.28.010 C). Federal and State DOSH do not define the amount of lead in paint to a regulatory requirement, but rather the activities or tasks defined when the regulation is in effect. Both Federal and State standards use the term "trigger task" activities. Employers must make certain assumptions of the exposure levels and comply with regulations based on the level of disturbance rather than the lead level.

A total of 310 XRF readings were collected from the representative testing combinations (e.g., a unique combination of room equivalent, building component, and substrate) within the structures. Lead containing building components were only found in the Stadium. Building components with detectable quantities of lead are summarized in Table 3. General photographic documentation is presented in Appendix D. All XRF readings are summarized in the table presented in Appendix E.

Table 3 – Positive Lead Results Summary

Room/Area	Component	Substrate	Condition	Color	Approximate Quantity	Photograph No.
Veterans Stadium (Building S)						
Men's & Women's Locker Room	4"x4" wall tile	Ceramic	Intact	Light Gray & Red	452 SF	7
Men's & Women's Locker Room	4"x4" cove base	Ceramic	Intact	Gray	100 SF	8
Adaptive facility, Locker Rooms 1-4, Men's & Women's Restrooms, Press Box 1st level Men's Restroom & Press Box 2nd Level Women's Restroom	Sink	Porcelain	Intact	White	59 EA	9-10
Janitor's closets &, Locker Room 4 Storage room	Deep Sink	Metal	Intact	White	5 EA	11
Locker Rooms 1-4	Drinking fountain	Porcelain	Intact	White	4 EA	12
Locker Rooms 1-4 & Press Box Men's Restroom	Urinals	Porcelain	Intact	White	17 EA	12-14
Locker Rooms 1-2, Kitchen, & Men's Restrooms	4"x4" wall tile 2"x2" floor tile	Ceramic	Intact	Light Green Green	4,100 SF	13
Locker Rooms 3-4	4"x4" wall tile 2"x2" floor tile	Ceramic	Intact	Yellow	5,400 SF	14
Women's Restrooms	4"x4" Wall tile	Ceramic	Intact	Pink	1,400 SF	15
Men's & Women's Restroom	Round floor drain screens	Metal	Intact	Bronze	6 EA	16
Ticket Booth						
ND						

Notes:
EA – each
No. – number
SF – square feet
" – inches
& - and

Various ceramics, porcelain, and metal containing materials are present and would require abatement if affected by planned renovations or demolition tasks. Once abated, the abatement contractor would be required to segregate waste streams and have each waste stream submitted to a certified lead laboratory in order to determine the appropriate disposal and manifest requirements.

Please note that quantities noted for the lead components found to be present are approximate. It is the abatement contractor's responsibility to confirm quantities prior to bidding and removal activities.

11.3 PCB Evaluation

Suspect PCB building materials were observed to be present only within the Stadium structure. A total of three suspect source samples were collected (caulking and window putty) and submitted for laboratory analysis to Enviro-Chem. A summary of the sampling and analytical results is presented in Table 4. A copy of the laboratory analytical report and chain-of-custody documentation is presented in Appendix C.

Table 4 – PCB Results Summary

Sample I.D.	Area	Material Description	Quantity	PCB Concentration (ppm)	Photograph No.
Veterans Stadium (Building S)					
P-01	Exterior windows	Window putty	NA	6.33	17
P-02	Restrooms (sinks, toilets, urinals)	Caulking	NA	0.635	18
P-03	Exterior expansion joints (ramps and stadium seating)	Caulking	NA	6.04	19
Ticket Booth					
		NA			

Notes:
I.D. – identification
NA – not applicable, suspect PCB containing materials not observed to be present
ND – none detected
No. – number
PCB – polychlorinated biphenyls
ppm – parts per million

Based on the representative source sampling data in Table 4, results of all three samples were found to be less than 50 parts per million (ppm) for PCB content. There are not any restrictions, special handling procedrues, or disposal requirements for building materials with these extremely low concentratrions of PCBs.

11.4 Microbial Evaluation Summary

The sections below describe the results of the microbial evaluation.

11.4.1 Visual Assessment

During the field reconnaissance, the interior ceilings within the northern side of the Stadium building Corridor 04, Office 21, and the Press Box were observed to have been affected by previous water intrusion events as water staining was observed. These indicators were manifested in staining on several substrates, including drywall, laid in ceiling tiles, and glued on ceiling tiles of the interior surfaces. Visible mold growth was *not* observed within the Stadium structure. Signs of water intrusion and subsequent mold growth were *not* present in the Ticket Booth structure. Representative photographs are presented in Appendix E.

A summary of our visual evaluation for signs of moisture intrusion is presented in Table 5. Figures indicating the specific locations of areas of concern are presented in Appendix F.

Table 5 – Microbial Visual Assessment Summary

Area Surveyed	Description	Photograph No.
Veterans Stadium (Building S)		
North corridor 04	Water stains/damage on drywall ceiling (12 SF)	20
Office 21	Water stains/damage on laid-in ceiling tile (16 SF)	21
Press box	Water stains/damage on laid-in ceiling tiles and glued on ceiling tiles (54 SF)	22-24
Ticket Booth		
Water staining or mold growth was not observed to be present		

Notes:
No. – number
SF – square feet

11.4.2 Moisture Survey

All interior surfaces exhibiting visible water staining were dry when measured with the moisture meter. Moisture measurements collected from the remaining interior walls and ceilings where water lines and plumbing equipment are located resulted in dry (normal) moisture conditions .

During our assessment, the likely source of the water staining/damage within the areas noted and represented by Photographs 20 – 24 (Appendix E) was identified as being from heating, ventilation, and air-conditioning equipment or water supply pipes located throughout the building.

11.4.3 Mold Spore Trap Air Results and Interpretation of Results

Results of the spore trap samples collected from the forth corridor 04, office 21, adaptive facility, home team locker room 2, official's locker room 3, south men's restroom, facilities maintenance office, south ticket booth, and press box 1st floor (south and north) areas were compared to samples from the exterior (background) areas. The air sampling results were reviewed and interpreted by our CIH. The data indicates a "normal indoor fungal ecology" in

all areas where samples were collected. Samples were submitted to LA Testing (LA Testing) of Huntington Beach, California. LA Testing is an American Industrial Hygiene Association Environmental Microbiology Accredited Laboratory. A copy of the chain of custody and laboratory results is provided in Appendix D.

Since there are no regulated exposure threshold levels for molds, the American Conference of Governmental Industrial Hygienists and the United States Environmental Protection Agency guidelines suggest that interpretation of air sampling results should be generally based on comparison of indoor and outdoor spore contents. In addition, it is common industry practice to compare outside bioaerosol concentrations and species to inside bioaerosol concentrations and species. If the indoor concentration is significantly higher than the outdoor concentration, or if different spore types are present indoors and outdoors, then indoor fungus sources (amplifiers) are presumed to be present. These observations are guidelines only. Variation is an inherent part of airborne spore sampling and the presence of a few different genera in small numbers should not be considered abnormal.

11.5 Allergen Evaluation Summary

During the field assessment, carpeted areas were observed to be present in various classrooms, locker rooms, and the facility maintenance offices of the Stadium structure. Carpeting is not present in the Ticket Booth. Visible mite, rodent, cockroach, dog, or cat activities were not observed to be present at carpeted locations (or other areas), although evidence of rodent traps were observed within the concession areas of the Stadium which are not carpeted. Three dust samples at carpeted areas were collected and submitted to EM Lab in Irvine, California for the allergen analysis by the MARIA multiplex method. EM Lab transferred the samples to Indoor Biotechnologies (InBio) in Charlottesville, Virginia which is an American Industrial Hygiene Association Environmental Microbiology Accredited Laboratory. A copy of the chain of custody and laboratory results is provided in Appendix D. A summary of the sampling locations and analytical results is provided below in Table 6.

Table 6 – Indoor Allergen Analysis Summary

Location /Sample No.	Mite Allergen Der p 1	Mite Allergen Der f 1	Cat Fel d 1	Dog Can f 1	Cockroach Bla g 2	Allergen Risk Level
Veterans Stadium (Building S)						
Classroom S112/S113/ A-01	<0.012	0.158	0.211	0.031	<0.196	LOW
Home Team Locker Room 2/ A-02	<0.012	<0.012	<0.004	<0.012	<0.196	LOW
Facilities Maintenance Offices/ A-03	<0.012	<0.012	0.048	<0.012	<0.196	LOW
Ticket Booth						
NA						

Notes:
All results are reported as microgram per gram (µg/g)
No. – number
< - less than

Carpeted sampling locations included a classroom, a locker room, and an office area. All results provided by the laboratory have resulted in a "LOW" catergory according to the MARIA multiplex method guidelines provided in the laboratory report.

11.5.1 Allergen Dust Sample Interpretation of Results

The MARIA multiplex recommended interpreted guidelines show that a "LOW" result is interpreted as '*not sufficient to cause allergic symptoms'*. A "SIGNIFICANT" result is interpreted as '*risk for sensitization and bronchial hyperactivity'*. A "HIGH" result is interpreted as a '*risk for acute asthmatic attack*'. The results were also reviewed and interpreted by our CIH who has determined that the data indicates no abnormal condition within the site areas sampled related to allergons for mites, cat, dog, cockroach.

Since there are no regulated exposure threshold levels for these contaminants, InBio provides *Guidelines to Interpretation* which compare the measured levels with published, peer-reviewed scientific literature and bases the results on measured allergic responses. References include the *Journal of Allergy and Clinical Immunology, 1995; the American Review of Respiratory Disease, 1993; Environmental Health Perspectives, 2002; and Clinical and Experimental Allergy, 1998.* This method classifies each result into non-detect (ND), low, moderate or high concentrations of allergens and leaves further interpretation to the Industrial Hygienist or medical professional. These observations are guidelines only. Whether an individual suffers allergic symptoms or not depends on his or her medical history and previous exposure.

11.6 Universal Wastes Inventory

Universal wastes were found within the Stadium structure only. The descriptions and locations of the universal wastes found to be present are summarized in Table 7. Some items in Table 7 are not necessarily universal wastes but do have local city disposal requirements or specific cleaning should be performed.

Table 7 – Universal Waste Inventory

Hazardous Material Location	Hazardous Material Description	Estimated Quantity
Veterans Stadium (Building S)		
Throughout	4' Fluorescent bulbs	258 each
Throughout	Electrical light ballasts associated with 2' Fluorescent bulbs	198 each
Throughout corridors and Locker rooms 1-4	2' Circular fluorescent bulbs	75 each
Throughout corridors and Locker rooms 1-4	Electrical light ballasts associated with 2' Circular fluorescent bulbs	75 each
Building – S 05/07 Classroom, Press Box	4" Compact fluorescent bulbs	80 each
Throughout	Fire extinguishers *	8 each
Janitor's closet	Various chemicals *	25 each

Table 7 – Universal Waste Inventory		
Hazardous Material Location	**Hazardous Material Description**	**Estimated Quantity**
Concession stands and Locker Room 1	Ice machines (potential Freon)	4 each
Kitchen, storage 1-2, and concessions	Portable refrigerators (potential Freon)	7 each
Kitchen storage	Gas canisters *	9 each
Throughout	Water boilers *	7 each
Throughout corridors	Exit signs (tritium)	3 each
Janitor's closets, stadium locker room kitchen	Various chemicals *	110 each
Press Box roof access stairs	Bird feces **	4 SF
Exterior stadium lights	Large diameter HID bulbs (sodium vapor)	94 each
Exterior stadium lights	Ballast associated with large diameter HID bulbs	6 each
Classroom/office roofing and press box roof	HVAC units	8 each
Ticket Booth		
ND		

Notes:
HID – high intensity discharge
HVAC – heating, ventilation, and air-conditioning
ND – non detect
SF – square feet
' – feet
" – inches
& - and
*-Not a universal waste, but requires appropriate disposal in accordance with City requirements
**-Not a universal waste, but clean-up of this condition should be performed.

Various universal wastes including light bulbs and associated ballasts are present. Various equipment potentially containing freon is also present (ice machine, refrigerators, and HVAC equipment). A small amount of bird feces is present on the roof access stairwell from the Press Box area. This is a condition that should be cleaned with normal wet-methods during abatement of other hazardous materials.

12 RECOMMENDATIONS

The following recommendations are provided by Ninyo & Moore in preparation for potential renovations or demolition of the structure:

12.1 Asbestos

- If demolition is planned or renovations that would affect the mirror mastic or pipe gaskets, the materials should be made accessible and sampled by qualified personnel and analyzed for asbestos content by a NVLAP certified laboratory.

- The ACMs noted in Table 1 should not be disturbed by unauthorized persons. A licensed abatement removal contractor should perform the abatement. The licensed abatement contractor must maintain current licenses as required by applicable state or local jurisdictions to remove, transport, dispose of, or other regulated activities.

- Applicable laws and regulations should be followed, including those provisions requiring notification to regulatory agencies, building occupants, renovation contractors, and workers of the presence of asbestos.

- Asbestos abatement monitoring consulting services should be performed by a third-party environmental consultant, to include oversight of abatement contractor activities to be performed in accordance with the abatement specifications, daily air monitoring, clearances, verification of complete removal of hazardous materials, and preparation of a closeout report summarizing the abatement activities.

12.2 Lead

- The lead components noted in table 3) should not be disturbed by unauthorized persons. If disturbances and removal activities are planned for the components by renovations or demolition tasks, a licensed abatement contractor with certified lead personnel should perform the abatement. All lead-related removal activities should be performed per the DOSH Lead in Construction Standard, Title 8 California Code of Regulations (CCR) 1532.1.

- Lead waste stream categorization should be performed for each lead waste stream generated. A composite sample of the representative lead waste stream material should be analyzed for the total lead for comparison with the Total Threshold Limit Concentration per EPA reference method SW-846. If the total lead concentration is greater than or equal to 1,000 milligrams per kilogram (mg/kg), the LCS waste material must be disposed of at a landfill that can receive such wastes. If the concentration is less than 50 mg/kg the sample may be disposed of as construction debris, if it is to remain in California. If the total lead result is greater than or equal to 50 mg/kg and less than 1,000 mg/kg, the sample must be further analyzed for soluble lead by the Waste Extraction Test for comparison with the Soluble Threshold Limit Concentration as described in Title 22 CCR 66261.24a. Additionally, if the result is greater than or equal to 100 mg/kg the sample must be further analyzed for leachable lead by the Toxicity Characteristic Leaching Procedure for comparison with the Resource Conservation and Recovery Act (RCRA) limits. Based on the soluble and leachable analysis results, the waste material may require disposal as a RCRA-Hazardous waste or non-RCRA-California-Hazardous waste.

- Lead abatement monitoring consulting services should be performed by a third-party environmental consultant, to include oversight of abatement contractor activities to be performed in accordance with the abatement specifications, daily air monitoring, clearances, verification of complete removal of hazardous materials, and preparation of a closeout report summarizing the abatement activities.

12.3 PCBs

If any additional suspect PCB containing building materials are found to be present from the structures, the material should be sampled and analyzed for PCB content in order to determine the materials appropriate handling and disposal requirements.

12.4 Mold and Other Biological Contaminants

All water-damaged drywall and ceiling areas present should be replaced if the structure is planned for continued use.The plumbing piping in these locations should be evaluated and repaired (as needed). If demoltion is planned in the near future there is no need to address this condition.

12.5 Allergens

According to laboratory results of sampling, carpeted areas do not indicate a need for special cleaning or removal. In addition, no visible evidence of the presence of common pests was observed. No further recommendations are provided.

12.6 Universal Wastes

- Universal wastes discussed in this report (Table 7) should be removed and properly recycled or disposed of by the Contractor if the wastes are planned to be affected by demolition or renovation activities. Manifests or bill of lading documents should be provided to the school district in order to prove that regulatory disposal guidelines have been followed.
- The equipment noted in Table 7 with potential Freon should be evaluated if renovation or demoltion tasks are planned that would impacat this equipment. If the freon is present the freon should be recovered (removed) prior to disposal of the remaiing associated equipment.
- The bird feces at the press box area roofing stairwell should be cleaned.
- If any of the other materials noted in Table 7 will be affected by renovations or demolition, the Contractor should educate and comply with local city disposal requirements.

13 LIMITATIONS

Ninyo & Moore's opinions and recommendations regarding environmental conditions, as presented in this report, are based on limited sampling and chemical analysis. A more comprehensive assessment may accomplish further assessment of potential adverse environmental impacts. The samples collected and used for testing and the observations made are believed to be representative of the area(s) evaluated. However, if additional suspect ACMs or LCSs are encountered during renovation or demolition activities, qualified personnel should sample these materials and be analyzed for content prior to further disturbance. In addition, please note that quantities of ACMs and LCSs are approximate. These numbers should be confirmed prior to removal or repair activities.

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard-of-care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report. Variations in site conditions may exist, and conditions not observed or described in this report may be encountered during subsequent activities.

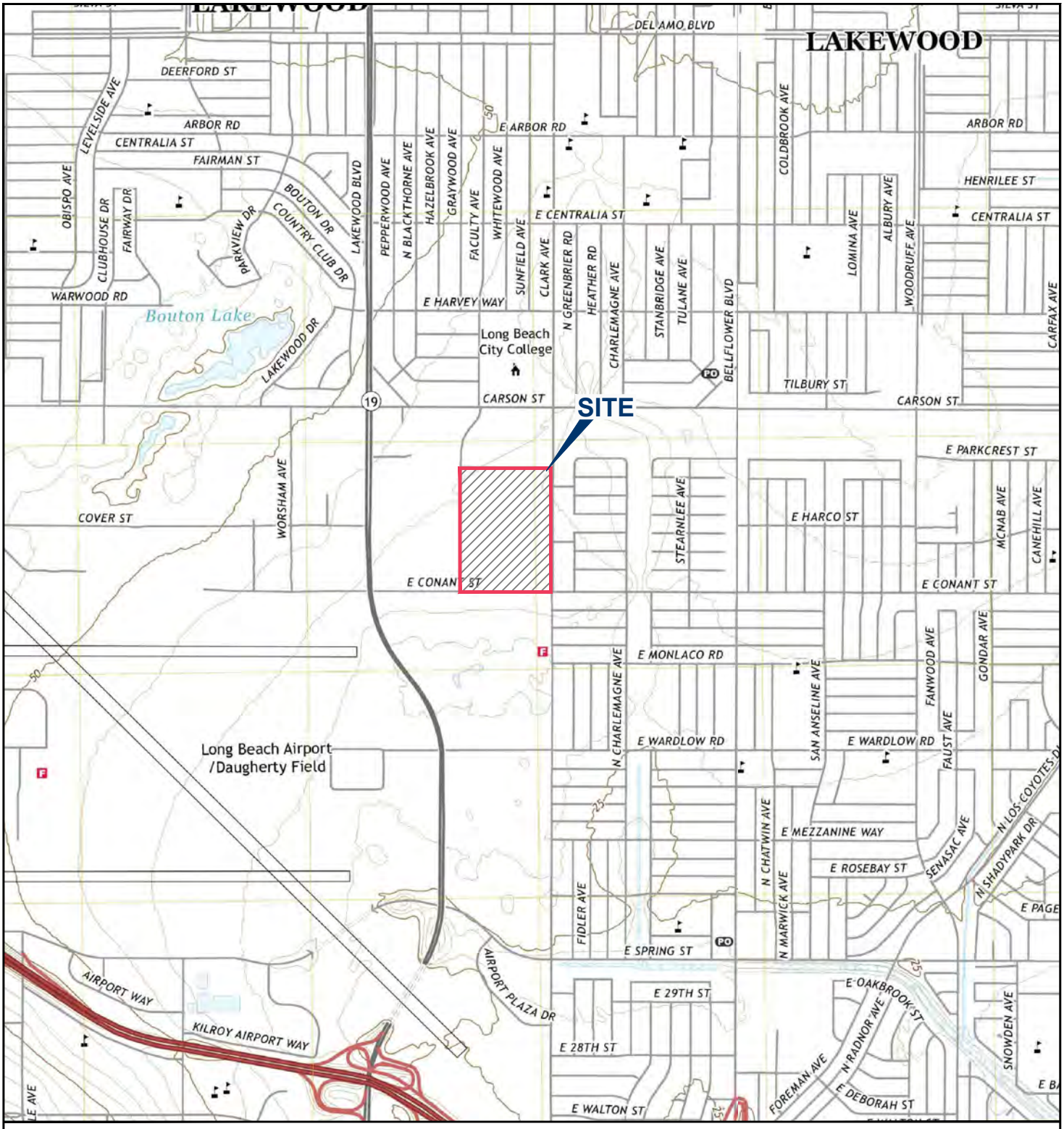
This document is intended to be used only in its entirety. By itself, no portion of the document is designed to represent any aspect of the project described herein thoroughly. Ninyo & Moore

should be contacted if the reader requires any additional information or has questions regarding this document's content, interpretations presented, or completeness.

The environmental interpretations and opinions contained in this report are based on the results of laboratory tests and analyses intended to detect the presence and concentration of specific chemical or physical constituents in samples collected from the subject site. The testing and analyses have been conducted by an independent laboratory that is certified by the State of California to conduct such tests. Ninyo & Moore has no involvement in, or control over, such testing and analysis. Ninyo & Moore, therefore, disclaims responsibility for any inaccuracy in such laboratory results.

Our conclusions, recommendations, and opinions are based on an analysis of the observed site conditions. It should be understood that the conditions of a site can change with time as a result of natural processes or the activities of man at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. Therefore, the findings of this report may be invalidated over time, in part or whole, by changes over which Ninyo & Moore has no control.

FIGURE



NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: USGS, 2018.

N

FEET

0 2,000 4,000

1_210407004_SL.dwg 11/29/2021 GK

FIGURE 1

SITE LOCATION

LBCC VETERANS STADIUM AND ADJACENT TICKET BOOTH
4901 EAST CARSON STREET
LONG BEACH, CALIFORNIA
210407004 I 11/21

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

APPENDIX A

Provided Survey Reports

A B A T E C, I N C.
California Licensed Contractor 529480, C-2, C-20, C-21
Cal-OSHA Registered Asbestos Abatement Contractor Reg. 40
25422 Trabuco Rd., #105-332
Lake Forest, Ca 92630
949 380-8995 Phone and Fax

FACSIMILE TRANSMISSION

DATE: 10-15-10

TIME: 3:15

TO: LBCC

FAX NO: 562-

ATTN: NICK SHAMBRA

NUMBER OF PAGES TRANSMITTED: (INCLUDING COVER): 16

DATE RECEIVED: _____ RECEIVED BY: _____

RETURN FAX NUMBER: 949 380-8995
Attn: Dennis Hanna

PLEASE RESPOND _____ INFORMATION ONLY _____

SUBJECT: LBCC VARIOUS BLDGS.
PIPING PROJECT
ASBESTOS SURVEY

ABATEC, INC.
25422 Trabuco Rd. #105-332
Lake Forest, CA 92630

Certified Asbestos Consultants
Asbestos Removal Contractors
Lic.No. 529480 Reg No. 40
949 380-8995

INVOICE FOR WORK PERFORMED

CLIENT, MAKER OF CHECK

Long Beach City College District
4901 E. Carson St. G-09
Long Beach, CA 90808
Attn: Mr. Nick Shambra

DATE: 10-15-10
PHONE:562 9384925
FAX:562 9384069

INVOICE DATE:10-15-10 INVOICE NO.: 1015101 PURCHASE ORDER 0000066210

SITE LOCATION: Carson Campus B, C, D, E, G, Stadium Buildings

TYPE AND QUANTITY OF WORK - Various Specified Materials

Services to be provided:

Asbestos
*Sampling by Cal-OSHA Certified Asbestos Consultant

*Sample Analysis by NVLAP Certified Asbestos Laboratory - PLM

Lead
*Sampling by Cal-DPH Certified Lead Inspector

*Sample Analysis by ELAP Certified Lead Laboratory - TCLP

*Cost of Project:	Inspector Labor		$ 250.00
	Sampling of Asbestos	58 samples @ $25.00 ea	$1450.00
	Sampling of Lead Paint	1 sample @ $70.00 ea	$ 70.00
		Project Total	$1770.00

INVOICE IS NOW DUE AND PAYABLE

CONDITIONAL WAIVER AND RELEASE UPON PAYMENT

Upon receipt by Abatec Inc. of payment from the Maker of Check listed above made payable to Abatec, Inc. in the amount listed above as the Project Cost, and when the check has been paid by the bank upon which it is drawn, this document shall become effective to release any mechanic's lien, stop notice, or bond right, that Abatec, Inc. has on property at the above Job Site Location. This release covers the final payment to Abatec, Inc. for labor,services,equipment,material furnished on the job as of the above Invoice Date. Before any recipient of this document relies on it, the party should verify evidence of payment to Abatec,Inc.

Dated:10-15-10 for Abatec, Inc. by: Dennis P. Hanna President
Dennis P. Hanna Title

ABATEC, INC.
25422 Trabuco Rd. #105-332
Lake Forest, CA 92630

Certified Asbestos Consultants
Certified Lead Inspectors
Asbestos 92-0016 Lead 260
949 380-8995

PROPOSAL AND AGREEMENT

Long Beach City College District
4901 E. Carson St. G-09
Long Beach, CA 90808
Attn: Mr. Nick Shambra

PROPOSAL DATE: 10-14-10
PHONE:562 9384925
FAX:562 9384069

SITE LOCATION: Carson Campus B, C, D, E, G, Stadium Buildings

TYPE AND QUANTITY OF WORK - Various Specified Materials

Services to be provided:

Asbestos
*Sampling by Cal-OSHA Certified Asbestos Consultant

*Sample Analysis by NVLAP Certified Asbestos Laboratory - PLM

Lead
*Sampling by Cal-DPH Certified Lead Inspector

*Sample Analysis by ELAP Certified Lead Laboratory - TCLP

*Cost of Project:	Inspector Labor		$ 250.00
	Sampling of Asbestos	58 samples @ $25.00 ea	$1450.00
	Sampling of Lead Paint	1 sample @ $70.00 ea	$ 70.00
		Project Total	$1770.00

Terms of Payment: Upon completion of project and submission of documentation.

A C C E P T E D

DENNIS HANNA FOR ABATEC, INC. DATE 10/15/10 CLIENT, BUILDING OWNER OR AGENT DATE

DISPUTE BETWEEN PARTIES

IN THE EVENT OF A DISPUTE BETWEEN THE PARTIES RESULTING IN A LAWSUIT, PREVAILING PARTY SHALL BE ENTITLED TO THE REASONABLE ATTORNEY'S FEES

ABATEC, INC.
25422 Trabuco Rd. #105-332
Lake Forest, CA 92630

Certified Asbestos Consultants
Cal-OSHA 92-0016
Certified Lead Inspectors I260
949 380-8995

October 15, 2010 ASBESTOS SURVEY-SPECIFIC

Long Beach City College District
4901 E. Carson t. G-09
Long Beach, CA 90808
Attn: Mr. Nick Shambra

Site: Carson Campus Buildings B, C, D, E, G, Stadium

*Sampling Date(s): October 13, 2010

*Inspection(s) by: Dennis P. Hanna, CAC 92-0016

Certifications: Asbestos Building Inspector, Management Planner, Project Designer, Certified Asbestos Consultant, Cert. No. 92-0016, address: 25422 Trabuco Rd., Suite 105-332, Lake Forest, CA 92630, Phone number: (949) 380-8995.

Survey limits and visual observations:
Sampling and analysis various specified piping systems and roofing materials at the above site. No other materials were included in this survey.

Quantities listed - Quantities, areas, and sizes are approximations only and need to be field verified by potential bidders prior to submission of proposals for abatement.

Bulk samples were initially analyzed for asbestos by: Polarized Light Microscopy (PLM). Analysis was performed by American Analytical, 12062 Valley View Suite 107, Garden Grove, CA 92641, (714) 3790838, NVLAP #200642-0, using polarized light microscopy and dispersion staining (NIOSH Approved Method 7403 and EPA 600/M4-82-020). Materials which could be visually identified as asbestos containing are noted. Both samples initially indicated asbestos levels of less than 1%. These samples were re-analyzed via EPA 600R-93/116 method using the 1000 point count procedure. Laboratory analyses documents are included with this report.

GOVERNING AUTHORITIES AND REGULATIONS

US EPA (NESHAPS)
All asbestos containing materials greater than 1.0% asbestos by weight must be removed from a structure prior to remodeling or demolition activities which may disturb the material.

The Environmental Protection Agency's Publication "Guidance for Controlling Asbestos-Containing Materials in Buildings" lists three types of asbestos containing materials. The first type is sprayed or troweled-on materials on walls, ceilings, and other surfaces - referred to as "surfacing" materials. The second type is thermal system insulation such as pipe and boiler insulation, duct insulation, and storage tank insulation. The third category is "miscellaneous" and includes floor tile, roof shingles, mastics, etc. The first and second

types are classified as "friable" or "able to be crushed, when dry, into powder with normal hand pressure". Because asbestos is a respiratory carcinogen, the danger of it becoming airborne is significant. Friable is synonymous with the term "hazardous". Friable asbestos materials are considered hazardous asbestos.

CAL-OSHA REQUIREMENTS SECTION 1529 TITLE 8 CCR AND THE SIGNIFICANCE OF BUILDING MATERIALS CONTAINING LESS THAN 1% ASBESTOS.

The presence of asbestos containing building materials (ACBM) must be disclosed to all employees, tenants and contractors bidding on work which may disturb ACBM at the site. All asbestos containing construction materials (greater than 0.1% asbestos) can only be removed by a licensed and registered asbestos abatement contractor registered with Cal-OSHA for asbestos work. All work must be done with proper air monitoring, personal protection, medical surveillance, training, disposal and the notification of planned work prior to commencement.

CALIFORNIA DEPT. OF TOXICS SUBSTANCES CONTROL
All asbestos containing materials (greater than 1.0% asbestos) must be properly packaged, labeled, manifested, and disposed of in an EPA accredited asbestos landfill. Materials containing "trace" (less than 1.0% asbestos) can be disposed of as regular construction debris.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT REGULATION 1403
Requires notification of project prior to commencement of work (10 working day notification) to be made by abatement contractor.

UNDETECTED MATERIALS - Bulk Material Sampling for Asbestos
Due to the age of the structure(s) and the scope of the survey, there is a possibility that inaccessible materials containing asbestos may be present and undetected. Typical inaccessible asbestos containing materials often include gaskets and seals in HVAC equipment, asbestos/concrete water pipe and electrical conduit below soil, asbestos pipe insulation located inside wall cavities and asbestos containing electrical wire insulation.

HAZARD ASSESSMENT
The EPA recognizes three criteria for hazard assessment: the presence of asbestos materials, the condition (or friability) of these materials, and the likelihood of disturbance of these materials. Air sampling is most often used as "clearance" criteria for removal projects. Air sampling has limited use as a risk measurement in that it measures air quality on a specific date and only over a specific period of time on that date. Air sampling does not consider the presence, condition of, or susceptibility to damage of asbestos containing materials.

FINDINGS AND RECOMMENDATIONS

GENERAL STATEMENT ABOUT ASBESTOS REMOVAL
All asbestos containing materials greater than 1.0% asbestos by weight must be removed from a structure prior to remodeling or demolition activities which may disturb the material (US EPA). To be professionally removed, all asbestos containing construction materials

(greater than 0.1% asbestos) can only be removed by a licensed and registered asbestos abatement contractor registered with Cal-OSHA for asbestos work. All work must be done with proper procedures, disposal and the notification of planned work prior to commencement of the project.

SPECIFIC MATERIALS DETERMINED TO BE ASBESTOS CONTAINING

SUMMARY OF ASBESTOS MATERIALS DETECTED
ASBESTOS MATERIALS ARE NOTED WITH AN ASTERISK *

SAMPLE	LOCATION	MATERIAL	CONDITION	ANALYSIS RESULTS
*Visual	G Building Boiler Room	Boiler Vent Stack Painted Black	Good	25% Asbestos Typical 18" x 12 ft

ALL MATERIALS SAMPLED FOR ASBESTOS

SAMPLING FOR ASBESTOS MATERIALS
ASBESTOS MATERIALS ARE NOTED WITH AN ASTERISK *

SAMPLE	LOCATION	MATERIAL	CONDITION	ANALYSIS RESULTS
1	Stadium Tank Area	Pipe Insulation Yellow	Good	No Asbestos Detected Insulated OD 6"
2	Stadium Tank Area	Pipe Elbow Insul. Yellow	Good	No Asbestos Detected Insulated OD 6"
3	Stadium Tank Area	Pipe Insulation Yellow	Good	No Asbestos Detected Insulated OD 3"
4	Stadium Tank Area Tank Side	Tank Insulation Yellow	Good	No Asbestos Detected
5	Stadium Tank Area Tank Side	Tank Insulation Yellow	Good	No Asbestos Detected
6	Stadium Tank Area Tank Ends	Tank Insulation Tan	Good	No Asbestos Detected
7	Stadium Tank Area	Pipe Insulation Yellow	Good	No Asbestos Detected Insulated OD 7"
8	Stadium Tank Area	Pipe Insulation Yellow	Good	No Asbestos Detected Insulated OD 7"
9	B Building Roof "Doghouse"	Pipe Insulation Painted Blue	Good	No Asbestos Detected
10	B Building Roof "Doghouse"	Pipe Insulation Painted Green	Good	No Asbestos Detected

A B A T E C, I N C.

Long Beach City College District Carson Campus

SAMPLING FOR ASBESTOS MATERIALS

ASBESTOS MATERIALS ARE NOTED WITH AN ASTERISK *

SAMPLE	LOCATION	MATERIAL	CONDITION	ANALYSIS RESULTS
11	B Building Roof "Doghouse"	Pipe Elbow Insul. Yellow	Good	No Asbestos Detected
12	C Building Roof "Doghouse"	Interior Plaster White/Gray	Fair	No Asbestos Detected
13	C Building Roof "Doghouse"	Exterior Plaster Gray	Fair	No Asbestos Detected
14	C Building Roof "Doghouse"	Ext. Wall Coating Silver	Good	No Asbestos Detected
15	C Building Roof	Parapet Wall Gray	Good	No Asbestos Detected
16	C Building Roof	Parapet Wall Coating Silver	Good	No Asbestos Detected
17	D Building Roof "Doghouse"	Pipe Insulation Yellow	Good	No Asbestos Detected Insulated OD 3"
18	D Building Roof "Doghouse"	Pipe Insulation Yellow	Good	No Asbestos Detected Insulated OD 6"
19	D Building Roof "Doghouse"	Pipe Elbow Insul. Yellow	Good	No Asbestos Detected Insulated OD 6"
20	D Building Roof "Doghouse"	Valve Insulation Yellow	Good	No Asbestos Detected Insulated OD 6"
21	D Building Roof "Doghouse"	Pipe Insulation Yellow	Good	No Asbestos Detected Insulated OD 7"
22	D Building Roof "Doghouse"	Pipe Insulation Yellow	Good	No Asbestos Detected Insulated OD 8"
23	D Building Roof "Doghouse"	Pipe Elbow Insul. Yellow	Good	No Asbestos Detected Insulated OD 8"
24	D Building Roof "Doghouse"	Valve Insulation Yellow	Good	No Asbestos Detected Insulated OD 8"
25	D Building Roof "Doghouse"	Pipe Insulation Yellow	Good	No Asbestos Detected Insulated OD 12"
26	D Building Roof "Doghouse"	Pipe Elbow Insul. Yellow	Good	No Asbestos Detected Insulated OD 3"
27	D Building Roof	Roof Core Gray	Good	No Asbestos Detected Typical Roof

A B A T E C, I N C.
-5-
Long Beach City College District Carson Campus

SAMPLING FOR ASBESTOS MATERIALS
ASBESTOS MATERIALS ARE NOTED WITH AN ASTERISK *

SAMPLE	LOCATION	MATERIAL	CONDITION	ANALYSIS RESULTS
28	D Building Roof	Roof Insulation Tan	Good	No Asbestos Detected Typical Roof
29	D Building Roof	Roof Core Gray	Good	No Asbestos Detected Typical Roof
30	D Building Roof	Roof Insulation Tan	Good	No Asbestos Detected Typical Roof
31	D Building Roof at Curbs and Penetrations	Curb/Penetration Seal Gray	Good	No Asbestos Detected Typical Roof
32	D Building Roof at Curbs and Penetrations	Curb/Penetration Seal Gray	Good	No Asbestos Detected Typical Roof
33	D Building Roof at Curbs and Parapets	Curb/Parapet Flashing Gray	Good	No Asbestos Detected Typical Roof
34	D Building Roof	Parapet Wall Gray	Good	No Asbestos Detected
35	D Building Roof	Parapet Wall Coating Silver	Good	No Asbestos Detected
36	E Building Above Ceiling at E120	Sprayed Plaster Gray	Fair	No Asbestos Detected
37	E Building Above Ceiling at E120	Sprayed Plaster Gray	Fair	No Asbestos Detected
38	E Building Roof	Roof Core Gray	Good	No Asbestos Detected Typical Roof
39	E Building Roof	Roof Insulation Tan	Good	No Asbestos Detected Typical Roof
40	E Building Roof	Roof Pier Coating Tan	Good	No Asbestos Detected Typical Roof Piers
41	E Building Roof	Pier Base Seal Gray	Good	No Asbestos Detected Typical Roof Piers
42	E Building Roof	Roof Pier Coating Tan	Good	No Asbestos Detected Typical Roof Piers

A B A T E C, I N C.

Long Beach City College District Carson Campus

SAMPLING FOR ASBESTOS MATERIALS
ASBESTOS MATERIALS ARE NOTED WITH AN ASTERISK *

SAMPLE	LOCATION	MATERIAL	CONDITION	ANALYSIS RESULTS
43	E Building Roof	Pier Base Seal Gray	Good	No Asbestos Detected Typical Roof Piers
44	G Building Boiler Room	Caulking at Stack Painted Black	Fair	No Asbestos Detected
45	G Building Mechanical Rm.	Pipe Insulation Gray	Good	No Asbestos Detected Insulated OD 3"
46	G Building Mechanical Rm.	Pipe Elbow Insul. Gray	Good	No Asbestos Detected Insulated OD 3"
47	G Building Mechanical Rm.	Pipe Insulation Gray	Good	No Asbestos Detected Insulated OD 6"
48	G Building Mechanical Rm.	Pipe Elbow Insul. Gray	Good	No Asbestos Detected Insulated OD 6"
49	G Building Mechanical Rm.	Pipe Insulation Cork Brown	Good	No Asbestos Detected Insulated OD 6"
50	G Building Mechanical Rm.	Pipe Elbow Insul. Brown	Good	No Asbestos Detected Insulated OD 6"
51	G Building Attic Black Pipe Insul.	Pipe Insulation Black Pipe	Good	No Asbestos Detected Insulated OD 6"
52	G Building Attic Black Pipe Insul.	Pipe Elbow Insul. Black Pipe	Good	No Asbestos Detected Insulated OD 6"
53	G Building Attic Older Pipe	Pipe Insulation Yellow/Tan	Good	No Asbestos Detected Insulated OD 6"
54	G Building Attic Older Pipe	Pipe Elbow Insul. Yellow/Tan	Good	No Asbestos Detected Insulated OD 6"
55	G Building Attic Center Older Pipe	Pipe Insulation Yellow/Tan	Good	No Asbestos Detected Insulated OD 6"
56	G Building Attic Center Older Pipe	Pipe Elbow Insul. Yellow/Tan	Good	No Asbestos Detected Insulated OD 6"
57	G Building Attic	Cloth Duct Wrap Tan	Fair	No Asbestos Detected

A B A T E C, I N C.

Long Beach City College District Carson Campus

SAMPLING FOR ASBESTOS MATERIALS
ASBESTOS MATERIALS ARE NOTED WITH AN ASTERISK *

SAMPLE	LOCATION	MATERIAL	CONDITION	ANALYSIS RESULTS
58	G Building Attic	Cloth Duct Wrap Tan	Fair	No Asbestos Detected
*Visual	G Building Boiler Room	Boiler Vent Stack Painted Black	Good	25% Asbestos Typical 18" x 12 ft

DISCLAIMER
This survey has been prepared by Abatec, Inc., and applies only to those areas specifically listed in the report. Abatec, Inc. implies no warranty to the accuracy of information provided by outside agents and transmitted herein. The information contained in this report may not be used, disclosed, or copied without the written permission of the Client.

For Abatec, Inc.

Dennis P. Hanna, CAC, REA, CEI

CERTIFIED ASBESTOS CONSULTANT
DENNIS P. HANNA
No. 92-0016
Expires: 6-11
STATE OF CALIFORNIA

AMERICAN ANALYTICAL

12062 Valley View Street, Suite 107 • Garden Grove, CA 92845
Phone (714) 379-0838 • (800) 991-LABS • Fax (714) 379-0938
NVLAP Lab Code 200642-0

Client: Abatec, Inc

Project: Long Beach City College
Carson Campus

Report #: 10/14/2010
Date of Receipt: 10/14/2010
Report Date: 10/14/2010
Date of Analysis:

Client #	Sample Location	Client Description	Detection	Composition	
1	Stadium	Pipe Insulation	None Detected	Fiberglass	100%
2	Stadium	Elbow Insulation	None Detected	Fiberglass	100%
3	Stadium	Pipe Insulation	None Detected	Fiberglass	97%
				Cellulose	3%
4	Stadium	Tank Side Insulation	None Detected	Fiberglass	100%
5	Stadium	Tank Side Insulation	None Detected	Fiberglass	99%
				Cellulose	1%
6	Stadium	Tank End Insulation	None Detected	Fiberglass	70%
				Non Fibrous	30%
7	Stadium	Pipe Insulation	None Detected	Cellulose	7%
				Fiberglass	93%
8	Stadium	Pipe Elbow Insul	None Detected	Fiberglass	100%
9	B Dog House	Pipe Insulation	None Detected	Fiberglass	100%
10	B Dog House	Pipe Insulation	None Detected	Fiberglass	100%
11	B Dog House	Elbow Insulation	None Detected	Fiberglass	100%
12	C Dog House	Interior Plaster	None Detected	Non Fibrous	100%
13	C Dog House	Exterior Plaster	None Detected	Non Fibrous	100%
14	C Dog House	Exterior Wall Coating	None Detected	Cellulose	7%
				Fiberglass	12%
				Non Fibrous	61%
15	C Roof	Parapet Wall	None Detected	Non Fibrous	100%
16	Silver C Roof	Parapet Wall Coating	None Detected	Cellulose	7%
				Fiberglass	12%
				Non Fibrous	61%
17	D Dog House	Pipe Insulation	None Detected	Fiberglass	100%
18	D Dog House	Pipe Insulation	None Detected	Fiberglass	100%
19	D Dog House	Pipe Elbow Insul	None Detected	Fiberglass	100%
20	D Dog House	Value Insulation	None Detected	Cellulose	100%
21	D Dog House	Pipe Insulation	None Detected	Fiberglass	100%
22	D Dog House	Pipe Insulation	None Detected	Fiberglass	100%
23	D Dog House	Elbow Insulation	None Detected	Fiberglass	100%
24	D Dog House	Value Insulation	None Detected	Fiberglass	100%
25	D Dog House	Pipe Insulation	None Detected	Fiberglass	100%
26	D Dog House	Elbow Insulation	None Detected	Fiberglass	100%
27	D Buildings	Roof Core Gray	None Detected	Cellulose	12%
				Fiberglass	23%
				Non Fibrous	65%
28	D Building	Roof Insulation Tan	None Detected	Fiberglass	12%
				Non Fibrous	88%
29	D Building	Roof Core Gray	None Detected	Cellulose	11%
				Fiberglass	15%

				Non Fibrous	74%
30	D Building	Roof Insulation Tan	None Detected	Fiberglass	12%
				Non Fibrous	88%
31	D Roof	Roof Curb & Pst Seal Tar	None Detected	Cellulose	1%
				Non Fibrous	99%
32	D Roof	Roof Curb & Pst Seal Tar	None Detected	Cellulose	1%
				Non Fibrous	99%
33	D Roof	Roof Parapet & Curb Flashing	None Detected	Cellulose	12%
				Fiberglass	23%
				Non Fibrous	65%
34	D Roof	Roof Parapet Wall	None Detected	Non Fibrous	100%
35	D Roof	Roof Parapet Coating	None Detected	Cellulose	7%
				Fiberglass	12%
				Non Fibrous	81%
36	E 120 Above Ceiling	Sprayed Plaster Gray	None Detected	Non Fibrous	100%
37	E 120	Sprayed Plaster Gray	None Detected	Non Fibrous	100%
38	E Building	Roofing Core Bur	None Detected	Cellulose	9%
				Fiberglass	19%
				Non Fibrous	72%
39	E Building	Roofing Insulation	None Detected	Cellulose	78%
				Non Fibrous	22%
40	E Bldg	Roof Pier Coating Tan	None Detected	Non Fibrous	100%
41	E Bldg	Roof Pier Base Seal Tar	None Detected	Non Fibrous	100%
42	E Bldg	Roof Pier Coating Tan	None Detected	Non Fibrous	100%
43	E Bldg	Roof Pier Base Seal Tar	None Detected	Non Fibrous	100%
44	G Bldg Boiler Rm	Caulking	None Detected	Cellulose	100%
45	G Build Mech Rm	Pipe Insulation	None Detected	Cellulose	100%
46	G Bldg Mech Rm	Pipe Elbow Insul	None Detected	Cellulose	100%
47	G Bldg Mech Rm	Pipe Insulation	None Detected	Cellulose	100%
48	G Bldg Mech Rm	Pipe Elbow Insul	None Detected	Cellulose	100%
49	G Bldg Mech Rm	Pipe Insul Cork	None Detected	Non Fibrous	100%
50	G Bldg Mech Rm	Pipe Elbow Ins Cork	None Detected	Non Fibrous	100%
51	G Bldg Attic	Pipe Insul Black Pipe	None Detected	Non Fibrous	100%
52	G Bldg Attic	Pipe Elbow Black Pipe	None Detected	Non Fibrous	100%
53	G Bldg Attic	Pipe Insulation Old Pipe	None Detected	Cellulose	100%
54	G Bldg Attic	Pipe Elbow Ins Old Pipe	None Detected	Cellulose	42%
				Non Fibrous	58%
55	G Bldg Attic Center	Pipe Insulation Old Pipe	None Detected	Cellulose	100%
56	G Bldg Attic Center	Pipe Elb Insu Old Pipe	None Detected	Cellulose	100%
57	G Bldg Attic	Cloth Duct Wrap Tan	None Detected	Cellulose	100%
58	G Bldg Boiler Rm	Cloth Duct Wrap Tan	None Detected	Cellulose	100%

ASBESTOS TYPES:

Chrysotile, Crocidolite, Anthophyllite, Tremolite, Amosite Actinolite

Method: Polarized Light Microscopy, EPA Method 600/R-93/116

The results reported are visual microscopic estimation, which is considered a semi-quantitave technique. This report is indicative only of the sample material American Analytical laboratory received. Non detected (ND) means a thorough search using appropriate preparation techniques was conducted and of asbestos was not detected. Results do not necessarily reflect the makeup of the entire span of the material from which the samples were derived. Sampling techniques and/or sample handling may affect the integrity of the samples before submission to American Analytical laboratory and hence the outcome of the laboratory results. Samples not consumed by testing are retained a minimum of thirty days.

This report shall not be reproduced except in full, without written approval of the laboratory.

NOTE The information contained in this report is confidential and to be viewed only by the addressee**

Authorized Signature

Jessie Ketsdever

RPT #2072

A B A T E C, I N C.
Certified Asbestos Consultant CAL-OSHA 92-0016
Certified Lead Inspector DHS I-260
25422 Trabuco Rd., #105-332
Lake Forest, Ca 92630
949 380-8995 Phone and Fax

S A M P L E S U B M I T T A L - C H A I N O F C U S T O D Y

__ASBESTOS AIR SAMPLE PCM NIOSH 7400 ✓ASBESTOS BULK SAMPLE PLM EPA 600
__ASBESTOS AIR SAMPLE TEM AHERA __ASBESTOS BULK SAMPLE PLM POINT COUNT
__ASBESTOS AIR SAMPLE TEM NIOSH 7402 __ASBESTOS BULK SAMPLE TEM CHATFIELD
__OTHER_____ __ASBESTOS BULK SAMPLE TEM QUALITATIVE

TURNAROUND REQUESTED: ___RUSH ___24HR ✓48 HR ___5 DAYS
SEND RESULTS VIA: ___FAX (949 380-8995) ___PHONE ___MAIL
JOB NAME: LONG BEACH CITY COLLEGE TELEPHONE:_____
JOB ADDRESS: CARSON CAMPUS ATTN:_____

SAMPLE DATE	SAMP NO.	MATERIAL DESCRIPTION OR AIR SAMPLE TYPE	LOCATION OF SAMPLE	COND. %DMG.	F/ NF	LPM AIR	AIR ON OFF	BULK ONLY QUANTITY	
10-13-10	1	PIPE INSULATION	STADIUM	GOOD				6" TOTAL OD	9000
	2	ELBOW INSULATION	STADIUM	GOOD				6" TOTAL I.D	9001
	3	PIPE INSULATION	STADIUM	GOOD				3" TOTAL I.D	9002
	4	TANK SIDE INSULATION	STADIUM	GOOD				TANK SIDE	9003
	5	TANK SIDE INSULATION	STADIUM	GOOD				TANK SIDE	9004
	6	TANK END INSULATION	STADIUM	GOOD				2 ENDS 30'	9005
	7	PIPE INSULATION	STADIUM	GOOD				7" TOTAL I.D.	9006
	8	PIPE ELBOW INSUL	STADIUM	GOOD				7" TOTAL I.D	9007
	9	PIPE INSULATION	B DOG HOUSE	GOOD				BLUE PIPE	9008
	10	PIPE INSULATION	B DOG HOUSE	GOOD				GREEN PIPE	9009
	11	ELBOW INSULATION	B DOG HOUSE	GOOD				TYP.	9010
	12	INTERIOR PLASTER	C DOG HOUSE	FAIR				TYP	9011
	13	EXTERIOR PLASTER	C DOG HOUSE	FAIR				TYP	9012
	14	EXTERIOR WALL COATING	C DOG HOUSE	GOOD				TYP	9013
	15	PARAPET WALL	C ROOF	GOOD				TYP	9014

SAMPLED BY D. HANDY (PRINT NAME) (SIGNATURE) CAC NO. 92-0016
RELINQUISHED: DATE: 10-13-10 TIME: 1:15
RECEIVED: DATE: TIME:
RECEIVED: DATE: 10-13-10 TIME: 2:06

A B A T E C, I N C.
Certified Asbestos Consultant CAL-OSHA 92-0016
Certified Lead Inspector DHS I-260
25422 Trabuco Rd., #105-332
Lake Forest, Ca 92630
949 380-8995 Phone and Fax

Page 2 of 4

S A M P L E S U B M I T T A L - C H A I N O F C U S T O D Y

- [ ] ASBESTOS AIR SAMPLE PCM NIOSH 7400
- [ ] ASBESTOS AIR SAMPLE TEM AHERA
- [ ] ASBESTOS AIR SAMPLE TEM NIOSH 7402
- [ ] OTHER _____
- [x] ASBESTOS BULK SAMPLE PLM EPA 600
- [ ] ASBESTOS BULK SAMPLE PLM POINT COUNT
- [ ] ASBESTOS BULK SAMPLE TEM CHATFIELD
- [ ] ASBESTOS BULK SAMPLE TEM QUALITATIVE

TURNAROUND REQUESTED: [ ] RUSH [ ] 24HR [x] 48 HR [ ] 5 DAYS
SEND RESULTS VIA: [ ] FAX (949 380-8995) [ ] PHONE [ ] MAIL
JOB NAME: COLD BEACH CITY COLLEGE TELEPHONE: _____
JOB ADDRESS: CARSON CAMPUS ATTN: _____

SAMPLE DATE	SAMP NO.	MATERIAL DESCRIPTION OR AIR SAMPLE TYPE	LOCATION OF SAMPLE	COND. %DMG.	F/ NF	LPM AIR	AIR ON	AIR OFF	BULK ONLY QUANTITY	
10-13-10	16	PLASTER WALL COATING	SILVER CROOF	GOOD					TYP	9015
	17	PIPE INSULATION	D DOG HOUSE	GOOD					3" TOTAL I.D	9016
	18	PIPE INSULATION	D DOG HOUSE	GOOD					6" TOTAL I.D	9017
	19	PIPE ELBOW INSUL	D DOG HOUSE	GOOD					6" TOTAL I.D	9018
	20	VALVE INSULATION	D DOG HOUSE	GOOD					6" TOTAL I.D	9019
	21	PIPE INSULATION	D DOG HOUSE	GOOD					7" TOTAL I.D	9021
	22	PIPE INSULATION	D DOG HOUSE	GOOD					8" TOTAL I.D	9022
	23	ELBOW INSULATION	D DOG HOUSE	GOOD					8" TOTAL I.D	9022
	24	VALVE INSULATION	D DOG HOUSE	GOOD					8" TOTAL I.D	9023
	25	PIPE INSULATION	D DOG HOUSE	GOOD					12" TOTAL I.D	9024
	26	ELBOW INSULATION	D DOG HOUSE	GOOD					3" TOTAL I.D	9027
	27	ROOF CORE GRAY	D BUILDING	GOOD					BUR	9026
	28	ROOF INSULATION TAN	D BUILDING	GOOD					BUR TYP	9027
	29	ROOF CORE GRAY	D BUILDING	GOOD					TYP	9028
	30	ROOF INSULATION TAN	D BUILDING	GOOD					TYP	9029

SAMPLED BY D. HALDA (PRINT NAME) _____ (SIGNATURE) 92-0016 (CAC NO)
RELINQUISHED: _____ DATE: 10-13-10 TIME: 1:15
RECEIVED: _____ DATE: _____ TIME: _____
RECEIVED: _____ DATE: _____ TIME: _____

A B A T E C, I N C.
Certified Asbestos Consultant CAL-OSHA 92-0016
Certified Lead Inspector DHS I-260
25422 Trabuco Rd., #105-332
Lake Forest, Ca 92630
949 380-8995 Phone and Fax

Page 3 of 4

S A M P L E S U B M I T T A L - C H A I N O F C U S T O D Y

__ASBESTOS AIR SAMPLE PCM NIOSH 7400 __ASBESTOS BULK SAMPLE PLM EPA 600
__ASBESTOS AIR SAMPLE TEM AHERA __ASBESTOS BULK SAMPLE PLM POINT COUNT
__ASBESTOS AIR SAMPLE TEM NIOSH 7402 __ASBESTOS BULK SAMPLE TEM CHATFIELD
__OTHER _____ __ASBESTOS BULK SAMPLE TEM QUALITATIVE

TURNAROUND REQUESTED: ___ RUSH ___ 24HR ___ 48 HR ___ 5 DAYS
SEND RESULTS VIA: ___ FAX (949 380-8995) ___ PHONE ___ MAIL
JOB NAME: LONG Beach City College TELEPHONE: _____
JOB ADDRESS: CARSON CAMPUS ATTN: _____

SAMPLE DATE	SAMP NO.	MATERIAL DESCRIPTION OR AIR SAMPLE TYPE	LOCATION OF SAMPLE	COND. %DMG.	F/ NF	LPM AIR	AIR ON	AIR OFF	BULK ONLY QUANTITY	
10/13-10	31	Roof Cover & Pet Seal Tar	D Roof	Good					Spec. Area	9030
	32	Roof Cover & Pet Seal Tar	D Roof	Good					Spec. Area	9031
	33	Roof Parapet & Cover Flashing	D Roof	Good					Spec. Area	9032
	34	Roof Parapet Wall	D Roof	Good					Spec. Area	9033
	35	Roof Parapet Coating	Silver D Roof	Good					Spec. Area	9034
	36	Sprayed Plaster Gray	E 180 Above Ceiling	Fair					Typical	9035
	37	Sprayed Plaster Gray	E 120	Fair					Typical	9036
	38	Roofing Core Bur	E Building	Good					Typical	9037
	39	Roofing Insulation	E Building	Good					Typical	9038
	40	Roof Pier Coating Tar	E Bldg	Good					Typical	9039
	41	Roof Pier Base Seal Tar	E Bldg	Good						9040
	42	Roof Pier Coating Tar	E Bldg	Good						9041
	43	Roof Pier Base Seal Tar	E Bldg	Good						9042
	44	Caulking	E Bldg Boiler Rm	Fair			40 Lin Ft		Bottom of Vent Stack	9043
	45	Pipe Insulation	E Bldg Mech Rm	Good					31 Total L.F.	9044

SAMPLED BY D HANNA 92-0016
PRINT NAME SIGNATURE CAC NO.

RELINQUISHED: _____ DATE: 10/13-10 TIME: 1715
RECEIVED: _____ DATE: _____ TIME: _____
RECEIVED: _____ DATE: _____ TIME: _____

A B A T E C, I N C.
Certified Asbestos Consultant CAL-OSHA 92-0016
Certified Lead Inspector DHS I-260
25422 Trabuco Rd., #105-332
Lake Forest, Ca 92630
949 380-8995 Phone and Fax

S A M P L E S U B M I T T A L - C H A I N O F C U S T O D Y

_ ASBESTOS AIR SAMPLE PCM NIOSH 7400
_ ASBESTOS AIR SAMPLE TEM AHERA
_ ASBESTOS AIR SAMPLE TEM NIOSH 7402
_ OTHER ______
_ ASBESTOS BULK SAMPLE PLM EPA 600
_ ASBESTOS BULK SAMPLE PLM POINT COUNT
_ ASBESTOS BULK SAMPLE TEM CHATFIELD
_ ASBESTOS BULK SAMPLE TEM QUALITATIVE

TURNAROUND REQUESTED: [ ] RUSH [ ] 24HR [✓] 48 HR [ ] 5 DAYS
SEND RESULTS VIA: [ ] FAX (949 380-8995) [ ] PHONE [ ] MAIL
JOB NAME: Long Beach City College TELEPHONE:
JOB ADDRESS: Carson Campus ATTN:

SAMPLE DATE	SAMP NO.	MATERIAL DESCRIPTION OR AIR SAMPLE TYPE	LOCATION OF SAMPLE	COND. %DMG.	F/NF	LPM AIR	AIR ON OFF	BULK ONLY QUANTITY	
10-13-10	46	Pipe Elbow /Insul	G Bldg Mech. Rm	Good				3" Total I.D	9046
	47	Pipe Insulation	G Bldg Mech Rm	Good				6" Total I.D	9047
	48	Pipe Elbow /Insul	G Bldg Mech Rm	Good				6" Total I.D	9048
	49	Pipe Insul. Cork	G Bldg Mech Rm	Fair				6" Total I.D	9049
	50	Pipe Elbow /Ins. Cork	G Bldg Mech Rm	Fair				6" Total I.D	9050
	51	Pipe Insul Black Pipe	G Bldg Attic	Good.				6" Total I.D	9051
	52	Pipe Elbow Black Pipe	G Bldg Attic	Good				6" Total I.D	9052
	53	Pipe Insulation Old Pipe	G Bldg Attic	Good				6" Total I.D	9053
	54	Pipe Elbow /Ins Old Pipe	G Bldg Attic	Good				6" Total I.D	9054
	55	Pipe/Insulation Old Pipe	G Bldg Attic Center	Good				6" Total I.D	9055
	56	Pipe Elb. /Insul. Old Pipe	G Bldg Attic Center	Good				6" Total I.D	9056
	57	Cloth Duct Wrap Tan	G Bldg Attic	Fair				Typ	9057
	58	Cloth Duct Wrap Tan	G Bldg Attic	Fair				Typ	9058
	Visual	Boiler Vent Stack	G Bldg Boiler Rm	Good				16" x 12 ft	

SAMPLED BY D Hanna [signature] 92-0026
PRINT NAME SIGNATURE CAC NO.

RELINQUISHED: [signature] DATE: 10-13-10 TIME: 1:15
RECEIVED: DATE: TIME:
RECEIVED: DATE: TIME:

APPENDIX B

Consultant Certificates

Certificate Of Completion

Asbestos Building Inspector Refresher Course

DOSH #:CA-015-06

Edilberto Quintero

ABIR0505210012N26983

John Daly

Principal Instructor

Michael W. Horner

Michael W. Horner
Training Director

5/5/2021	5/5/2021	5/5/2021	5/5/2022
Course Start Date	Course End Date	Exam Date	Expiration Date

This course satisfies the education requirements for Asbestos accreditation under the Toxic Substances Control Act, Title II. This course has been approved by the Department of Industrial Relations, Division of Occupational Safety and Health of the State of California

NATEC International, Inc.

National Association of Training and Environmental Consulting

1100 Technology Circle- Suite A, Anaheim, CA 92805 • www.natecintl.com • 800-969-3228

Important Industry Contacts

CAL-OSHA: Ph# (916) 574-2993
(916) 483-0572 Fax Notification
Web: www.dir.ca.gov or calosha.com

CDPH/CLPPB: Ph# (510) 620-5600
Web: www.cdph.ca.gov/programs/CLPPB

SCAQMD: Ph# (909) 396-3739
Fax#(909) 396-3342

BAAQMD: Ph# (415) 749-4762

NATEC International, Inc.

National Association of Training and Environmental Consulting

Anaheim, CA • Oakland, CA • Fresno, CA • Sacramento, CA

Asbestos • Lead • Mold • HAZWOPER

P.O. Box 25205 Anaheim, CA 92825-5205

(714) 678-2750, (800) 969-3228, Fax (714) 678-2757

www.natecintl.com

NATEC International, Inc.

National Association of Training and Environmental Consulting

*Note: Card is not suitable substitute for certificate and is not accepted by SCAQMD as proof of certification

This Card Acknowledges That

Edilberto Quintero

Holds Training Certification For

Asbestos Building Inspector Refresher Course

Expiration: 5/5/2022

5/5/2021
Training Date

ABIR0505210012N26983
Certificate No.

Michael W. Horner
Training Director

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
 **David Pacheco**	Lead Sampling Technician	LRC-00001700	6/24/2022

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 Site Surveillance Technician
David M Kelly
Name
Certification No. 17-6144
Expires on 02/14/22
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.

This certifies that

David Kelly

Completed HAZWOPER Supervisor Refresher Training

In accordance with OSHA 29 CFR 1910.120(e)(8),

"Hazardous Waste Operations and Emergency Response"

ISSUE NO: S214943

Completed on

16-Feb-2021

By

Technical Safety Institute

1195 Via Encinos Drive, Fallbrook CA 92028

Temporary Electronic Certificate

Stephen J. Waide CIH, CSP

Training Director

STATE OF CALIFORNIA Gavin Newsom, Governor

DEPARTMENT OF INDUSTRIAL RELATIONS
Division of Occupational Safety and Health
Asbestos Certification & Training Unit
1750 Howe Avenue, Suite 460
Sacramento, CA 95825
(916) 574-2993 Office http://www.dir.ca.gov/dosh/asbestos.html acru@dir.ca.gov

101314711C 348 352

July 16, 2021

Michael S Cushner
4622 E. LaVarte Street
Long Beach CA 90815

Dear Certified Asbestos Consultant or Technician:

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

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

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

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

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

Sincerely,

Jeff Ferrell
Senior Safety Engineer

Attachment: Certification Card

cc: File

Renewal – Card Attached (Revised 06/2020)

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

LEAD-RELATED CONSTRUCTION CERTIFICATE

Michael Cushner

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
	Lead Inspector/Assessor	LRC-00002155	9/26/2022
	Lead Project Monitor	LRC-00002154	9/26/2022

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 C

California Department of Public Health Form 8552

LEAD HAZARD EVALUATION REPORT

Section 1 — Date of Lead Hazard Evaluation 11-18-21

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
4901 East Carson Street	Long Beach	Los Angeles	90808

Construction date (year) of structure	Type of structure	Children living in structure?
1950	☐ Multi-unit building ☑ School or daycare ☐ Single family dwelling ☐ Other	☐ Yes ☑ No ☐ Don't Know

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

Name	Telephone number
LBCC LAC - Aileo Jimenez	(562) 938-5063

Address [number, street, apartment (if applicable)]	City	State	Zip Code
4901 East Carson Street - G21	Long Beach	CA	90808

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 Intact ceramics and components

Section 6 — Individual Conducting Lead Hazard Evaluation

Name	Telephone number
Michael Cushner	949-753-7070

Address [number, street, apartment (if applicable)]	City	State	Zip Code
475 Goddard, Ste 200	Irvine	Califronia	92618

CDPH certification number	Signature	Date
#2155	Michael A. Cushner	11-29-21

Name and CDPH certification number of any other individuals conducting sampling or testing (if applicable)

David Pacheco #1700

Section 7 — Attachments

A. A foundation diagram or sketch of the structure indicating the specifc locations of each lead hazard or presence of lead-based paint;
B. Each testing method, device, and sampling procedure used;
C. All data collected, including quality control data, laboratory results, including laboratory name, address, and phone number.

First copy and attachments retained by inspector

Second copy and attachments retained by owner

Third copy only (no attachments) mailed or faxed to:

California Department of Public Health
Childhood Lead Poisoning Prevention Branch Reports
850 Marina Bay Parkway, Building P, Third Floor
Richmond, CA 94804-6403
Fax: (510) 620-5656

APPENDIX D

Analytical Results and Chain-of-Custody Records

Asbestos Laboratory Data

eurofins | EMLab P&K

Report for:

David Kelly
Ninyo & Moore - Irvine
475 Goddard
Suite 200
Irvine, CA 92618

Regarding: Project: 210407004; LBCCD Liberal Arts Campus Veteran Stadium, 4901 E. Carson St., Long Beach
EML ID: 2791333

Approved by:

Approved Signatory
Cecil Strait

Dates of Analysis:
Asbestos PLM: 11-23-2021 and 11-24-2021

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

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

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

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Total Samples Submitted:	114
Total Samples Analyzed:	114
Total Samples with Layer Asbestos Content > 1%:	0

Location: 01, Throughout walls and ceilings north side of building S-drywall with joint compound

Lab ID-Version‡: 13364477-1

Sample Layers	Asbestos Content
White Joint Compound with Paint	ND
Cream Tape	ND
White Joint Compound	ND
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 02, Throughout walls and ceilings north side of building S-drywall with joint compound

Lab ID-Version‡: 13364478-1

Sample Layers	Asbestos Content
White Joint Compound with Paint	ND
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	5% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 03, Throughout walls and ceilings north side of building S-drywall with joint compound

Lab ID-Version‡: 13364479-1

Sample Layers	Asbestos Content
White Joint Compound with Paint	ND
Cream Tape	ND
White Joint Compound	ND
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 04, Throughout walls and ceilings north side of building S-drywall with joint compound

Lab ID-Version‡: 13364480-1

Sample Layers	Asbestos Content
White Joint Compound with Paint	ND
Cream Tape	ND
White Joint Compound	ND
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 05, Throughout walls and ceilings north side of building S-drywall with joint compound

Lab ID-Version‡: 13364481-1

Sample Layers	Asbestos Content
White Joint Compound with Paint	ND
Cream Tape	ND
White Joint Compound	ND
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 06, Throughout walls and ceilings north side of building S-drywall with joint compound

Lab ID-Version‡: 13364482-1

Sample Layers	Asbestos Content
White Joint Compound with Paint	ND
Cream Tape	ND
White Joint Compound	ND
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 07, Throughout walls and ceilings north side of building S-drywall with joint compound

Lab ID-Version‡: 13364483-1

Sample Layers	Asbestos Content
White Joint Compound with Paint	ND
Cream Tape	ND
White Joint Compound	ND
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 08, Classroom 112-114, storage 17 and locker rooms-black and white, black, grey and brown with yellow glue

Lab ID-Version‡: 13364484-1

Sample Layers	Asbestos Content
Brown Carpet	ND
Yellow Glue	ND
Composite Non-Asbestos Content:	60% Synthetic Fibers
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 09, Classroom 112-114, storage 17 and locker rooms-black and white, black, grey and brown with yellow glue

Lab ID-Version‡: 13364485-1

Sample Layers	Asbestos Content
Black Carpet	ND
Yellow Glue	ND
Composite Non-Asbestos Content:	60% Synthetic Fibers
Sample Composite Homogeneity:	Moderate

Location: 10, Classroom 112-114, storage 17 and locker rooms-black and white, black, grey and brown with yellow glue

Lab ID-Version‡: 13364486-1

Sample Layers	Asbestos Content
Black Carpet	ND
Yellow Glue	ND
Composite Non-Asbestos Content:	60% Synthetic Fibers
Sample Composite Homogeneity:	Moderate

Location: 11, Classroom 112-114, storage 17 and locker rooms-black and white, black, grey and brown with yellow glue

Lab ID-Version‡: 13364487-1

Sample Layers	Asbestos Content
Black/White Carpet	ND
Yellow Glue	ND
Composite Non-Asbestos Content:	60% Synthetic Fibers
Sample Composite Homogeneity:	Moderate

Location: 12, Classroom 112-114, storage 17 and locker rooms-black and white, black, grey and brown with yellow glue

Lab ID-Version‡: 13364488-1

Sample Layers	Asbestos Content
Black/White Carpet	ND
Yellow Glue	ND
Composite Non-Asbestos Content:	60% Synthetic Fibers
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 13, Classroom 112-114, storage 17 and locker rooms-black and white, black, grey and brown with yellow glue Lab ID-Version‡: 13364489-1

Sample Layers	Asbestos Content
Black/White Carpet	ND
Yellow Glue	ND
Composite Non-Asbestos Content:	60% Synthetic Fibers
Sample Composite Homogeneity:	Moderate

Location: 14, Classroom 112-114, storage 17 and locker rooms-black and white, black, grey and brown with yellow glue Lab ID-Version‡: 13364490-1

Sample Layers	Asbestos Content
Gray Carpet	ND
Yellow Glue	ND
Composite Non-Asbestos Content:	60% Synthetic Fibers
Sample Composite Homogeneity:	Moderate

Location: 15, Classroom S118-multi-color carpet with yellow and grey glue Lab ID-Version‡: 13364491-1

Sample Layers	Asbestos Content
Multicolored Carpet	ND
Yellow Glue	ND
Gray Glue	ND
Composite Non-Asbestos Content:	60% Synthetic Fibers
Sample Composite Homogeneity:	Moderate

Location: 16, Classroom S118-multi-color carpet with yellow and grey glue Lab ID-Version‡: 13364492-1

Sample Layers	Asbestos Content
Multicolored Carpet	ND
Yellow Glue	ND
Gray Glue	ND
Composite Non-Asbestos Content:	60% Synthetic Fibers
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 17, Classroom S118-multi-color carpet with yellow and grey glue Lab ID-Version‡: 13364493-1

Sample Layers	Asbestos Content
Multicolored Carpet	ND
Yellow Glue	ND
Gray Glue	ND
Composite Non-Asbestos Content:	60% Synthetic Fibers
Sample Composite Homogeneity:	Moderate

Location: 18, Hallways-light grey with black speckle floor sheeting Lab ID-Version‡: 13364494-1

Sample Layers	Asbestos Content
Gray/Black Sheet Flooring with Fibrous Backing	ND
Yellow Mastic	ND
Composite Non-Asbestos Content:	25% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 19, Hallways-light grey with black speckle floor sheeting Lab ID-Version‡: 13364495-1

Sample Layers	Asbestos Content
Gray/Black Sheet Flooring with Fibrous Backing	ND
Yellow Mastic	ND
Composite Non-Asbestos Content:	25% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 20, Hallways-light grey with black speckle floor sheeting Lab ID-Version‡: 13364496-1

Sample Layers	Asbestos Content
Gray/Black Sheet Flooring with Fibrous Backing	ND
Yellow Mastic	ND
Composite Non-Asbestos Content:	25% Cellulose
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 21, Throughout-4 inch black and brown cove base with white glue Lab ID-Version‡: 13364497-1

Sample Layers	Asbestos Content
Brown Baseboard	ND
White Glue	ND
Sample Composite Homogeneity:	Moderate

Location: 22, Throughout-4 inch black and brown cove base with white glue Lab ID-Version‡: 13364498-1

Sample Layers	Asbestos Content
Black Baseboard	ND
White Glue	ND
Sample Composite Homogeneity:	Moderate

Location: 23, Throughout-4 inch black and brown cove base with white glue Lab ID-Version‡: 13364499-1

Sample Layers	Asbestos Content
Black Baseboard	ND
White Glue	ND
Sample Composite Homogeneity:	Moderate

Location: 24, Classroom 112, 113, 114, office 2, 21, 22, 25, 26-2x2 textured laid in ceiling tile Lab ID-Version‡: 13364500-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	85% Glass Fibers
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 25, Classroom 112, 113, 114, office 2, 21, 22, 25, 26-2x2 textured laid in ceiling tile

Lab ID-Version‡: 13364501-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	85% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 26, Classroom 112, 113, 114, office 2, 21, 22, 25, 26-2x2 textured laid in ceiling tile

Lab ID-Version‡: 13364502-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	85% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 27, Locker room 1-4-concrete walks

Lab ID-Version‡: 13364503-1

Sample Layers	Asbestos Content
Gray Concrete	ND
Sample Composite Homogeneity:	Moderate

Location: 28, Locker room 1-4-concrete walks

Lab ID-Version‡: 13364504-1

Sample Layers	Asbestos Content
Gray Concrete	ND
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 29, Locker room 1-4-concrete walks Lab ID-Version‡: 13364505-1

Sample Layers	Asbestos Content
Gray Concrete	ND
Sample Composite Homogeneity:	Moderate

Location: 30, Locker room 1-4-concrete walks Lab ID-Version‡: 13364506-1

Sample Layers	Asbestos Content
Gray Concrete	ND
Sample Composite Homogeneity:	Moderate

Location: 31, Locker room 1-4-concrete walks Lab ID-Version‡: 13364507-1

Sample Layers	Asbestos Content
Gray Concrete	ND
Sample Composite Homogeneity:	Moderate

Location: 32, Throughout-concrete slab Lab ID-Version‡: 13364508-1

Sample Layers	Asbestos Content
Gray Concrete	ND
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 33, Throughout-concrete slab Lab ID-Version‡: 13364509-1

Sample Layers	Asbestos Content
Gray Concrete	ND
Sample Composite Homogeneity:	Moderate

Location: 34, Throughout-concrete slab Lab ID-Version‡: 13364510-1

Sample Layers	Asbestos Content
Gray Concrete	ND
Sample Composite Homogeneity:	Moderate

Location: 35, Restrooms (toilet, urinal, sink)-white caulking Lab ID-Version‡: 13364511-1

Sample Layers	Asbestos Content
White Caulk	ND
Sample Composite Homogeneity:	Moderate

Location: 36, Restrooms (toilet, urinal, sink)-white caulking Lab ID-Version‡: 13364512-1

Sample Layers	Asbestos Content
White Caulk	ND
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 37, Restrooms (toilet, urinal, sink)-white caulking Lab ID-Version‡: 13364513-1

Sample Layers	Asbestos Content
White Caulk	ND
Sample Composite Homogeneity:	Moderate

Location: 38, Locker rooms, kitchen-north, kitchen south, hawking area, south restrooms-plaster with skim coat walls Lab ID-Version‡: 13364514-1

Sample Layers	Asbestos Content
White Skim Coat	ND
Beige Plaster	ND
Sample Composite Homogeneity:	Moderate

Location: 39, Locker rooms, kitchen-north, kitchen south, hawking area, south restrooms-plaster with skim coat walls Lab ID-Version‡: 13364515-1

Sample Layers	Asbestos Content
White Skim Coat	ND
Gray Plaster	ND
Sample Composite Homogeneity:	Moderate

Location: 40, Locker rooms, kitchen-north, kitchen south, hawking area, south restrooms-plaster with skim coat walls Lab ID-Version‡: 13364516-1

Sample Layers	Asbestos Content
White Skim Coat	ND
Gray Plaster	ND
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 41, Locker rooms, kitchen-north, kitchen south, hawking area, south restrooms-plaster with skim coat walls

Lab ID-Version‡: 13364517-1

Sample Layers	Asbestos Content
White Skim Coat	ND
Gray Plaster	ND
Sample Composite Homogeneity:	Moderate

Location: 42, Locker rooms, kitchen-north, kitchen south, hawking area, south restrooms-plaster with skim coat walls

Lab ID-Version‡: 13364518-1

Sample Layers	Asbestos Content
White Skim Coat	ND
Beige Plaster	ND
Sample Composite Homogeneity:	Moderate

Location: 43, Weight room-rubber floor with glue

Lab ID-Version‡: 13364519-1

Sample Layers	Asbestos Content
Gray Flooring	ND
White Glue	ND
Sample Composite Homogeneity:	Moderate

Location: 44, Weight room-rubber floor with glue

Lab ID-Version‡: 13364520-1

Sample Layers	Asbestos Content
Gray Flooring	ND
White Glue	ND
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 45, Weight room-rubber floor with glue Lab ID-Version‡: 13364521-1

Sample Layers	Asbestos Content
Gray Flooring	ND
White Glue	ND
Sample Composite Homogeneity:	Moderate

Location: 46, Weight room-2x2 pinhole laid in ceiling tile Lab ID-Version‡: 13364522-1

Sample Layers	Asbestos Content
Beige Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	35% Cellulose 25% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 47, Weight room-2x2 pinhole laid in ceiling tile Lab ID-Version‡: 13364523-1

Sample Layers	Asbestos Content
Beige Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	35% Cellulose 25% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 48, Weight room-2x2 pinhole laid in ceiling tile Lab ID-Version‡: 13364524-1

Sample Layers	Asbestos Content
Beige Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	35% Cellulose 25% Glass Fibers
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 49, Locker room 1-4, men's restroom-north-grout and thinset Lab ID-Version‡: 13364525-1

Sample Layers	Asbestos Content
Gray Grout	ND
Off-White Thinset	ND
Sample Composite Homogeneity:	Moderate

Location: 50, Locker room 1-4, men's restroom-north-grout and thinset Lab ID-Version‡: 13364526-1

Sample Layers	Asbestos Content
Gray Grout	ND
Off-White Thinset	ND
Sample Composite Homogeneity:	Moderate

Location: 51, Locker room 1-4, men's restroom-north-grout and thinset Lab ID-Version‡: 13364527-1

Sample Layers	Asbestos Content
Gray Grout	ND
Off-White Thinset	ND
Sample Composite Homogeneity:	Moderate

Location: 52, Locker room 1-4, men's restroom-north-grout and thinset Lab ID-Version‡: 13364528-1

Sample Layers	Asbestos Content
Gray Grout	ND
Off-White Thinset	ND
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 53, Locker room 1-4, men's restroom-north-grout and thinset Lab ID-Version‡: 13364529-1

Sample Layers	Asbestos Content
Gray Grout	ND
Off-White Thinset	ND
Sample Composite Homogeneity:	Moderate

Location: 54, Kitchen south-undersink black coating Lab ID-Version‡: 13364530-1

Sample Layers	Asbestos Content
Black Sink Undercoating	ND
Sample Composite Homogeneity:	Moderate

Location: 55, Concessions-textured coating Lab ID-Version‡: 13364531-1

Sample Layers	Asbestos Content
Yellow Glue	ND
Sample Composite Homogeneity:	Moderate

Location: 56, Concessions-textured coating Lab ID-Version‡: 13364532-1

Sample Layers	Asbestos Content
Yellow Glue	ND
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 57, Concessions-textured coating Lab ID-Version‡: 13364533-1

Sample Layers	Asbestos Content
Yellow Glue	ND
Sample Composite Homogeneity:	Moderate

Location: 58, Press box-12x12 vinyl floor tile with black mastic Lab ID-Version‡: 13364534-1

Sample Layers	Asbestos Content
White Floor Tile	ND
Black Mastic	ND
Sample Composite Homogeneity:	Good

Location: 59, Press box-12x12 vinyl floor tile with black mastic Lab ID-Version‡: 13364535-1

Sample Layers	Asbestos Content
White Floor Tile	ND
Black Mastic	ND
Sample Composite Homogeneity:	Good

Location: 60, Press box-12x12 vinyl floor tile with black mastic Lab ID-Version‡: 13364536-1

Sample Layers	Asbestos Content
White Floor Tile	ND
Black Mastic	ND
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 61, Press box-4 inch grey cove base with brown mastic Lab ID-Version‡: 13364537-1

Sample Layers	Asbestos Content
Gray Baseboard	ND
Brown Mastic	ND
Sample Composite Homogeneity:	Good

Location: 62, Press box-4 inch grey cove base with brown mastic Lab ID-Version‡: 13364538-1

Sample Layers	Asbestos Content
Gray Baseboard	ND
Brown Mastic	ND
Sample Composite Homogeneity:	Good

Location: 63, Press box-4 inch grey cove base with brown mastic Lab ID-Version‡: 13364539-1

Sample Layers	Asbestos Content
Gray Baseboard	ND
Brown Mastic	ND
Sample Composite Homogeneity:	Good

Location: 64, Press box-1x1 pinhole laid in ceiling tile with mastic Lab ID-Version‡: 13364540-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Brown Mastic	ND
Composite Non-Asbestos Content:	35% Cellulose 20% Glass Fibers
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 65, Press box-1x1 pinhole laid in ceiling tile with mastic Lab ID-Version‡: 13364541-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Brown Mastic	ND
Composite Non-Asbestos Content:	35% Cellulose 20% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 66, Press box-1x1 pinhole laid in ceiling tile with mastic Lab ID-Version‡: 13364542-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Brown Mastic	ND
Composite Non-Asbestos Content:	35% Cellulose 20% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 67, Pipe chase-black barrier paper Lab ID-Version‡: 13364543-1

Sample Layers	Asbestos Content
Black Vapor Barrier Paper	ND
Composite Non-Asbestos Content:	90% Cellulose
Sample Composite Homogeneity:	Good

Location: 68, Pipe chase-black barrier paper Lab ID-Version‡: 13364544-1

Sample Layers	Asbestos Content
Black Vapor Barrier Paper	ND
Composite Non-Asbestos Content:	90% Cellulose
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 69, Pipe chase-black barrier paper Lab ID-Version‡: 13364545-1

Sample Layers	Asbestos Content
Black Vapor Barrier Paper	ND
Composite Non-Asbestos Content:	90% Cellulose
Sample Composite Homogeneity:	Good

Location: 70, Throughout-window putty Lab ID-Version‡: 13364546-1

Sample Layers	Asbestos Content
Gray Window Putty	ND
Sample Composite Homogeneity:	Good

Location: 71, Throughout-window putty Lab ID-Version‡: 13364547-1

Sample Layers	Asbestos Content
Gray Window Putty	ND
Sample Composite Homogeneity:	Good

Location: 72, Throughout-window putty Lab ID-Version‡: 13364548-1

Sample Layers	Asbestos Content
Gray Window Putty	ND
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 73, Exterior-throughout-expansion joint compound Lab ID-Version‡: 13364549-1

Sample Layers	Asbestos Content
Gray Expansion Joint Compound	ND
Sample Composite Homogeneity:	Good

Location: 74, Exterior-throughout-expansion joint compound Lab ID-Version‡: 13364550-1

Sample Layers	Asbestos Content
Gray Expansion Joint Compound	ND
Sample Composite Homogeneity:	Good

Location: 75, Exterior-throughout-expansion joint compound Lab ID-Version‡: 13364551-1

Sample Layers	Asbestos Content
Gray Expansion Joint Compound	ND
Sample Composite Homogeneity:	Good

Location: 76, Exterior-ramps-textured flooring Lab ID-Version‡: 13364552-1

Sample Layers	Asbestos Content
Gray/Black Texture Flooring	ND
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 77, Exterior-ramps-textured flooring Lab ID-Version‡: 13364553-1

Sample Layers	Asbestos Content
Gray/Black Texture Flooring	ND
Sample Composite Homogeneity:	Good

Location: 78, Exterior-ramps-textured flooring Lab ID-Version‡: 13364554-1

Sample Layers	Asbestos Content
Gray/Black Texture Flooring	ND
Sample Composite Homogeneity:	Good

Location: 79, Exterior-roof-south-roof core (asphalt) Lab ID-Version‡: 13364555-1

Sample Layers	Asbestos Content
Black Roofing Shingle	ND
Black Asphalt	ND
Composite Non-Asbestos Content:	15% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 80, Exterior-roof-center-roof core (asphalt) Lab ID-Version‡: 13364556-1

Sample Layers	Asbestos Content
Black Roofing Shingle	ND
Black Asphalt	ND
Composite Non-Asbestos Content:	15% Glass Fibers
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 81, Exterior-roof-north-roof core (asphalt) Lab ID-Version‡: 13364557-1

Sample Layers	Asbestos Content
Black Roofing Shingle	ND
Black Asphalt	ND
Composite Non-Asbestos Content:	15% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 82, Exterior-roof-south-roof core (tar and gravel) Lab ID-Version‡: 13364558-1

Sample Layers	Asbestos Content
Black Tar and Gravel	ND
Composite Non-Asbestos Content:	15% Glass Fibers
Sample Composite Homogeneity:	Good

Location: 83, Exterior-roof-center-roof core (tar and gravel) Lab ID-Version‡: 13364559-1

Sample Layers	Asbestos Content
Black Tar and Gravel	ND
Composite Non-Asbestos Content:	15% Glass Fibers
Sample Composite Homogeneity:	Good

Location: 84, Exterior-roof-north-roof core (tar and gravel) Lab ID-Version‡: 13364560-1

Sample Layers	Asbestos Content
Black Tar and Gravel	ND
Composite Non-Asbestos Content:	15% Glass Fibers
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 85, Exterior-roof-south-black penetration mastic on vents Lab ID-Version‡: 13364561-1

Sample Layers	Asbestos Content
Black Mastic	ND
Composite Non-Asbestos Content:	30% Cellulose
Sample Composite Homogeneity:	Good

Location: 86, Exterior-roof-center-black penetration mastic on vents Lab ID-Version‡: 13364562-1

Sample Layers	Asbestos Content
Black Mastic	ND
Composite Non-Asbestos Content:	30% Cellulose
Sample Composite Homogeneity:	Good

Location: 87, Exterior-roof-north-black penetration mastic on vents Lab ID-Version‡: 13364563-1

Sample Layers	Asbestos Content
Black Mastic	ND
Composite Non-Asbestos Content:	30% Cellulose
Sample Composite Homogeneity:	Good

Location: 88, Exterior-roof-south-black penetration mastic on vent pipes Lab ID-Version‡: 13364564-1

Sample Layers	Asbestos Content
Black Mastic	ND
Composite Non-Asbestos Content:	30% Cellulose
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 89, Exterior-roof-center-black penetration mastic on vent pipes Lab ID-Version‡: 13364565-1

Sample Layers	Asbestos Content
Black Mastic	ND
Composite Non-Asbestos Content:	30% Cellulose
Sample Composite Homogeneity:	Good

Location: 90, Exterior-roof-north-black penetration mastic on vent pipes Lab ID-Version‡: 13364566-1

Sample Layers	Asbestos Content
Black Mastic	ND
Composite Non-Asbestos Content:	30% Cellulose
Sample Composite Homogeneity:	Good

Location: 91, Press box-exterior-roof-white penetration mastic Lab ID-Version‡: 13364567-1

Sample Layers	Asbestos Content
White Mastic	ND
Sample Composite Homogeneity:	Good

Location: 92, Press box-exterior-roof-white penetration mastic Lab ID-Version‡: 13364568-1

Sample Layers	Asbestos Content
White Mastic	ND
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 93, Press box-exterior-roof-white penetration mastic Lab ID-Version‡: 13364569-1

Sample Layers	Asbestos Content
White Mastic	ND
Black Mastic	ND
Composite Non-Asbestos Content:	25% Cellulose
Sample Composite Homogeneity:	Good

Location: 94, Press box-exterior-roof-roof core Lab ID-Version‡: 13364570-1

Sample Layers	Asbestos Content
Black/White Roofing Material	ND
Sample Composite Homogeneity:	Good

Location: 95, Press box-exterior-roof-roof core Lab ID-Version‡: 13364571-1

Sample Layers	Asbestos Content
Black/White Roofing Material	ND
Sample Composite Homogeneity:	Good

Location: 96, Press box-exterior-roof-roof core Lab ID-Version‡: 13364572-1

Sample Layers	Asbestos Content
Black/White Roofing Material	ND
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 97, Exterior-ramps-stucco Lab ID-Version‡: 13364573-1

Sample Layers	Asbestos Content
White Stucco	ND
Gray Stucco	ND
Sample Composite Homogeneity:	Moderate

Location: 98, Exterior-ramps-stucco Lab ID-Version‡: 13364574-1

Sample Layers	Asbestos Content
Gray Stucco	ND
Sample Composite Homogeneity:	Good

Location: 99, Exterior-ramps-stucco Lab ID-Version‡: 13364575-1

Sample Layers	Asbestos Content
Gray Stucco	ND
Sample Composite Homogeneity:	Good

Location: 100, Kitchen south and kitchen restroom-grey flooring textured on concrete Lab ID-Version‡: 13364576-1

Sample Layers	Asbestos Content
Gray Flooring Textured	ND
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 101, Kitchen south and kitchen restroom-grey flooring textured on concrete Lab ID-Version‡: 13364577-1

Sample Layers	Asbestos Content
Gray Flooring Textured	ND
Sample Composite Homogeneity:	Good

Location: 102, Kitchen south and kitchen restroom-grey flooring textured on concrete Lab ID-Version‡: 13364578-1

Sample Layers	Asbestos Content
Gray Flooring Textured	ND
Sample Composite Homogeneity:	Good

Location: 103, Ticket booth 1-4-4 inch black cove base with yellow glue Lab ID-Version‡: 13364579-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Yellow Glue	ND
Sample Composite Homogeneity:	Good

Location: 104, Ticket booth 1-4-4 inch black cove base with yellow glue Lab ID-Version‡: 13364580-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Yellow Glue	ND
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 105, Ticket booth 1-4-4 inch black cove base with yellow glue Lab ID-Version‡: 13364581-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Yellow Glue	ND
Sample Composite Homogeneity:	Good

Location: 106, Ticket booth 1-4-12"x12" vinyl floor tile with black mastic Lab ID-Version‡: 13364582-1

Sample Layers	Asbestos Content
White Floor Tile	ND
Black Mastic	ND
Sample Composite Homogeneity:	Moderate

Location: 107, Ticket booth 1-4-12"x12" vinyl floor tile with black mastic Lab ID-Version‡: 13364583-1

Sample Layers	Asbestos Content
White Floor Tile	ND
Black Mastic	ND
Sample Composite Homogeneity:	Moderate

Location: 108, Ticket booth 1-4-12"x12" vinyl floor tile with black mastic Lab ID-Version‡: 13364584-1

Sample Layers	Asbestos Content
White Floor Tile	ND
Black Mastic	ND
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 109, Ticket booth 1-4-plaster with skim coat walls Lab ID-Version‡: 13364585-1

Sample Layers	Asbestos Content
Gray Plaster	ND
White Skim Coat	ND
Sample Composite Homogeneity:	Moderate

Location: 110, Ticket booth 1-4-plaster with skim coat walls Lab ID-Version‡: 13364586-1

Sample Layers	Asbestos Content
Gray Plaster	ND
White Skim Coat	ND
Sample Composite Homogeneity:	Moderate

Location: 111, Ticket booth 1-4-plaster with skim coat walls Lab ID-Version‡: 13364587-1

Sample Layers	Asbestos Content
Gray Plaster	ND
White Skim Coat	ND
Sample Composite Homogeneity:	Moderate

Location: 112, Exterior-ticket booth 1-4-stucco Lab ID-Version‡: 13364588-1

Sample Layers	Asbestos Content
Gray/White Stucco	ND
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407004; LBCCD Liberal Arts Campus
Veteran Stadium, 4901 E. Carson St., Long Beach

Date of Sampling: 11-01-2021
Date of Receipt: 11-19-2021
Date of Report: 11-24-2021

ASBESTOS PLM REPORT

Location: 113, Exterior-ticket booth 1-4-stucco Lab ID-Version‡: 13364589-1

Sample Layers	Asbestos Content
Gray/White Stucco	ND
Sample Composite Homogeneity:	Moderate

Location: 114, Exterior-ticket booth 1-4-stucco Lab ID-Version‡: 13364590-1

Sample Layers	Asbestos Content
Gray/White Stucco	ND
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

eurofins | EMLab P&K

Report for:

David Kelly
Ninyo & Moore - Irvine
475 Goddard
Suite 200
Irvine, CA 92618

Regarding: Project: LBCCD Liberal Arts Campus Velerans Stadium; 4901 E Carson St, Long Beach
EML ID: 2793866

Approved by:

Approved Signatory
Danny Li

Dates of Analysis:
Asbestos PLM: 11-26-2021

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

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

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

Eurofins EMLab P&K
17461 Derian Ave, Suite 100, Irvine, CA 92614
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: LBCCD Liberal Arts Campus Velerans Stadium; 4901 E Carson St, Long Beach

Date of Sampling: 11-22-2021
Date of Receipt: 11-23-2021
Date of Report: 11-29-2021

ASBESTOS PLM REPORT

Total Samples Submitted:	3
Total Samples Analyzed:	3
Total Samples with Layer Asbestos Content > 1%:	3

Location: 114, Roof Core (Tar and Gravel) Lab ID-Version‡: 13377392-1

Sample Layers	Asbestos Content
Black Roofing Material	8% Chrysotile
Sample Composite Homogeneity:	Good

Location: 115, Roof Core (Tar and Gravel) Lab ID-Version‡: 13377393-1

Sample Layers	Asbestos Content
Black Roofing Material	8% Chrysotile
Sample Composite Homogeneity:	Good

Location: 116, Roof Core (Tar and Gravel) Lab ID-Version‡: 13377394-1

Sample Layers	Asbestos Content
Black Roofing Material	8% Chrysotile
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

ASBESTOS BULK SAMPLE DATA SHEET

Ninyo & Moore 475 Goddard, Suite 200 Irvine, CA 92618 Tel: (949) 753-7070 Fax: (949) 753-7071	**Project Name:** LBCCD Liberal Arts Campus Veteran's Stadium **Address:** 4901 E. Carson St, Long Beach **Project No:** 210407004 **Project Manager:** David Kelly	Date Sampled: 11-18-21 Sampled By: ~~David Kelly~~ EQ Sampled By: Date Sampled:	**Laboratory:** EM Lab Tel: Fax:

CHAIN OF CUSTODY INFORMATION: Email: dkelly@ninyoandmoore.com

Analysis: **PLM EPA 600/R-93/116** TAT: Standard

002791333

Relinquished By: (sign/print)	Company	Date	Time(24 hr.)	Received By: (sign/print)
EQ	Ninyo & Moore	11-19-21		11/19 @ 8

Sample ID	Building Number	Sample Location	HA No.	Sample Description	Quantity (SF/LF/EA)	Friable (Y/N)	Condition
01	Building-S	Throughout walls & ceilings North side of Building S	1	Drywall w/ Joint Compound	24,000 sf	Y/N	G
02	↓	↓	↓	↓	↓	↓	↓
03							
04							
05							
06							
07							
08		Classroom 112-114, Storage 17, & Locker rooms	2	Black & White, Black, Grey, & Brown Carpet w/ Yellow Glue	3,400 sf	N	G
09		↓	↓	↓	↓	↓	↓
10							
11							
12							
13	↓	↓	↓	↓	↓	↓	↓

Received 11/23/21 11:00AM

Ninyo & Moore

ASBESTOS BULK SAMPLE DATA SHEET

Ninyo & Moore 475 Goddard, Suite 200 Irvine, CA 92618 Tel: (949) 753-7070 Fax: (949) 753-7071	**Project Name:** LBCCD Liberal Arts Campus Veteran's Stadium **Address:** 4901 E. Carson St, Long Beach **Project No:** 210407004 **Project Manager:** David Kelly	Date Sampled: 11-18-21 Sampled By: ~~David Kelly~~ EQ Sampled By: Date Sampled:	**Laboratory:** EM Lab Tel: Fax:

CHAIN OF CUSTODY INFORMATION: Email: dkelly@ninyoandmoore.com

Analysis: PLM EPA 600/R-93/116 TAT: Standard

002791333

Relinquished By: (sign/print)	Company	Date	Time(24 hr.)	Received By: (sign/print)
EQ	Ninyo & Moore	11-19-21		/
/				/

Sample ID	Building Number	Sample Location	HA No.	Sample Description	Quantity (SF/LF/EA)	Friable (Y/N)	Condition
14	Building 5	Classroom 112-114, Storag 17, & Locker rooms	2	Black & White, Black, Grey, & Brown Carpet w/ Yellow Glue	3,400 sf	N	G
15		Classroom S 118	3	Multi-color carpet w/ yellow & grey glue	138 sf	N	
16		↓	↓	↓	↓	↓	↓
17		↓	↓	↓	↓	↓	↓
18		Hallways	4	Light grey w/ black speckle floor sheeting	4,000 sf	↓	↓
19		↓	↓	↓	↓	↓	↓
20		↓	↓	↓	↓	↓	↓
21		Throughout	5	4 inch Black & Brown cove base w/ white glue	530 sf	↓	↓
22		↓	↓	↓	↓	↓	↓
23		↓	↓	↓	↓	↓	↓
24		Classroom 112, 113, 114; Office 2, 21, 22, 25, 26;	6	2x2 Textured Laid in ceiling tile	4,512 sf	↓	↓
25		↓	↓	↓	↓	↓	↓
26	↓	↓	↓	↓	↓	↓	↓

ASBESTOS BULK SAMPLE DATA SHEET

Ninyo & Moore
475 Goddard, Suite 200
Irvine, CA 92618
Tel: (949) 753-7070
Fax: (949) 753-7071

Project Name : LBCCD Liberal Arts Campus Veterans Stadium
Address: 4901 E. Carson St, Long Beach
Project No: 210407004
Project Mar David Kelly

Date Sampled: 11-18-21
Sampled By: ~~DAP~~ EQ
Sampled By:
Date Sampled:

Laboratory:
EM LAB
Tel:
Fax:

CHAIN OF CUSTODY INFORMATION: Email: dkelly@ninyoandmoore.com dpacheco@ninyoandmoore.com

Analysis: **PLM EPA 600/R-93/116** TAT: ~~24 HR~~ EQ Standard

002791333

Relinquished By: (sign/print)	Company	Date	Time(24 hr.)	Received By: (sign/print)
EQ	Ninyo & Moore	11-19-21		

Sample ID	Building Number	Sample Location	HA No.	Sample Description	Quantity (SF/LF/EA)	Friable (Y/N)	Condition
27	Building S	Locker room 1-4	7	Concrete Walls	~~37~~,400 sf	N	G
28	↓	↓	↓	↓	↓	↓	↓
29							
30							
31		↓	↓	↓	↓		
32		Through out	8	Concrete Slab	16,786 sf		
33		↓	↓	↓	↓		
34		↓	↓	↓	↓		
35		Restrooms (Toilet, Urinal, Sink)	9	White Caulking	50 sf		
36		↓	↓	↓	↓		
37		↓	↓	↓	↓		
38		Locker rooms, Kitchen-North, Kitchen South, Hawking Area,	10	Plaster w/ Skim Coat Walls	1,863 sf		
39	↓	South Restrooms ↓	↓	↓	↓	↓	↓

Ninyo & Moore

ASBESTOS BULK SAMPLE DATA SHEET

Ninyo & Moore 475 Goddard, Suite 200 Irvine, CA 92618 Tel: (949) 753-7070 Fax: (949) 753-7071	**Project Name :** LBCCD Liberal Arts Campus Veteran's Stadium **Address:** 4901 E. Carson St, Long Beach **Project No:** 210407004 **Project Mar** David Kelly	Date Sampled: 11-18-21 Sampled By: ~~DAP~~ EQ Sampled By: Date Sampled:	**Laboratory:** EM LAB Tel: Fax:

CHAIN OF CUSTODY INFORMATION: Email: dkelly@ninyoandmoore.com dpacheco@ninyoandmoore.com

Analysis: **PLM EPA 600/R-93/116** TAT: ~~24 HR~~ Ea Standard

002791333

Relinquished By: (sign/print)	Company	Date	Time(24 hr.)	Received By: (sign/print)	
EQ	Ninyo & Moore	11-19-21		/	
/				/	

Sample ID	Building Number	Sample Location	HA No.	Sample Description	Quantity (SF/LF/EA)	Friable (Y/N)	Condition
40	Building 5	Locker rooms, Kitchen North, Kitchen South, Hawking Area, South Restrooms	10	Plaster w/ Skim Coat Walls	1,863sf	N	G
41	↓	↓	↓	↓	↓	↓	↓
42	↓	↓	↓	↓	↓	↓	↓
43	↓	Weight Room	11	Rubber Floor w/ glue	1,915 sf	↓	↓
44	↓	↓	↓	↓	↓	↓	↓
45	↓	↓	↓	↓	↓	↓	↓
46	↓	Weight Room	12	2x2 Pinhole Laid in ceiling tile	↓	↓	↓
47	↓	↓	↓	↓	↓	↓	↓
48	↓	↓	↓	↓	↓	↓	↓
49	↓	Locker room 1-4, men's restroom-North	13	Grout & Thinset	1,500sf	↓	↓
50	↓	↓	↓	↓	↓	↓	↓
51	↓	↓	↓	↓	↓	↓	↓
52	↓	↓	↓	↓	↓	↓	↓

ASBESTOS BULK SAMPLE DATA SHEET

Ninyo & Moore 475 Goddard, Suite 200 Irvine, CA 92618 Tel: (949) 753-7070 Fax: (949) 753-7071	**Project Name :** LBCCD Liberal Arts Campus Veterans Stadium **Address:** 4901 E. Carson St., Long Beach **Project No:** 210407004 **Project Mar** David Kelly	Date Sampled: 11-18-21 Sampled By: ~~DAP~~ EQ Sampled By: Date Sampled:	**Laboratory:** EM LAB Tel: Fax:

CHAIN OF CUSTODY INFORMATION: Email: dkelly@ninyoandmoore.com dpacheco@ninyoandmoore.com

Analysis: **PLM EPA 600/R-93/116** TAT: ~~24 HR~~ Standard

002791333

Relinquished By: (sign/print)	Company	Date	Time(24 hr.)	Received By: (sign/print)
EQ	Ninyo & Moore	11-19-21		

Sample ID	Building Number	Sample Location	HA No.	Sample Description	Quantity (SF/LF/EA)	Friable (Y/N)	Condition
53	Building S	Locker room 1-4, men's restroom - North	13	Grout & Thinset	1,500 sf	N	G
54		Kitchen South	14	undersink black coating	1 sf		
55		Concessions	15	Textured coating	700 sf		
56		↓	↓	↓	↓		
57		↓	↓	↓	↓		
58		Press Box	16	12x12 vinyl floor tile w/ black mastic	400 sf		
59		↓	↓	↓	↓		
60		↓	↓	↓	↓		
61		Press Box	17	4 inch Grey Cove Base w/ Brown Mastic	50 sf		
62		↓	↓	↓	↓		
63		↓	↓	↓	↓		
64		Press Box	18	1x1 Pinhole Laid in ceiling tile w/ mastic	200 sf		
65	↓	↓	↓	↓	↓	↓	↓

ASBESTOS BULK SAMPLE DATA SHEET

Ninyo & Moore
475 Goddard, Suite 200
Irvine, CA 92618
Tel: (949) 753-7070
Fax: (949) 753-7071

Project Name : LBCCD Liberal Arts Campus Veterans Stadium
Address: 4901 E. Carson St, Long Beach
Project No: 210407004
Project Mar David Kelly

Date Sampled: 11-18-21
Sampled By: ~~DAP~~ EQ
Sampled By:
Date Sampled:

Laboratory:
EM LAB
Tel:
Fax:

CHAIN OF CUSTODY INFORMATION: Email: dkelly@ninyoandmoore.com dpacheco@ninyoandmoore.com

Analysis: **PLM EPA 600/R-93/116** TAT: ~~24 HR~~ Eq Standard

002791333

Relinquished By: (sign/print)	Company	Date	Time(24 hr.)	Received By: (sign/print)
EQ	Ninyo & Moore	11-19-21		

Sample ID	Building Number	Sample Location	HA No.	Sample Description	Quantity (SF/LF/EA)	Friable (Y/N)	Condition
66	Building 5	Press Box	18	1x1 Pinhole Laid in ceiling tile w/ mastic	200sf	N	G
67		Pipe Chase	19	Black Barrier Paper	80 sf		
68		↓	↓	↓	↓		
69		↓	↓	↓	↓		
70		Throughout	20	Window Putty	20 sf		
71		↓	↓	↓	↓		
72		↓	↓	↓	↓		
73		Exterior - Throughout	21	Expansion Joint Compound	80 sf		
74		↓	↓	↓	↓		
75		↓	↓	↓	↓		
76		Exterior - Ramps	22	Textured Flooring	2,400 sf		
77		↓	↓	↓	↓		
78	↓	↓	↓	↓	↓	↓	↓

Ninyo & Moore

ASBESTOS BULK SAMPLE DATA SHEET

Ninyo & Moore
475 Goddard, Suite 200
Irvine, CA 92618
Tel: (949) 753-7070
Fax: (949) 753-7071

Project Name: LBCCD Liberal Arts Campus Veterans Stadium
Address: 4901 E. Carson St, Long Beach
Project No: 210407004
Project Mar David Kelly

Date Sampled: 11-18-21
Sampled By: ~~DAP~~ EQ
Sampled By:
Date Sampled:

Laboratory: EM LAB
Tel:
Fax:

CHAIN OF CUSTODY INFORMATION: Email: dkelly@ninyoandmoore.com dpacheco@ninyoandmoore.com

Analysis: PLM EPA 600/R-93/116 TAT: ~~24 HR~~ EQ Standard

002791333

Relinquished By: (sign/print)	Company	Date	Time(24 hr.)	Received By: (sign/print)	
EQ	Ninyo & Moore	11-19-21		/	
/				/	

Sample ID	Building Number	Sample Location	HA No.	Sample Description	Quantity (SF/LF/EA)	Friable (Y/N)	Condition
79	Building S	Exterior-Roof - South	23	Roof Core (Asphalt)	30,000sf	N	G
80	↓	- Center	↓	↓	↓	↓	↓
81	↓	- North	↓	↓	↓	↓	↓
82	↓	Exterior - Roof - South	24	Roof Core (Tar & Gravel)	↓	↓	↓
83	↓	- Center	↓	↓	↓	↓	↓
84	↓	- North	↓	↓	↓	↓	↓
85	↓	Exterior - Roof - South	25	Black Penetration Mastic on Vents	5 sf	↓	↓
86	↓	Center	↓	↓	↓	↓	↓
87	↓	North	↓	↓	↓	↓	↓
88	↓	Exterior - Roof - South	26	Black Penetration Mastic on Vent Pipes	5 sf	↓	↓
89	↓	- Center	↓	↓	↓	↓	↓
90	↓	- North	↓	↓	↓	↓	↓
91	↓	Press Box - Exterior - Roof	27	White Penetration Mastic	3 sf	↓	↓

Ninyo & Moore

ASBESTOS BULK SAMPLE DATA SHEET

Ninyo & Moore
475 Goddard, Suite 200
Irvine, CA 92618
Tel: (949) 753-7070
Fax: (949) 753-7071

Project Name: LBCCD Liberal Arts Campus Veterans Stadium
Address: 4901 E. Carson St, Long Beach
Project No: 210407004
Project Mar David Kelly

Date Sampled: 11-18-21
Sampled By: ~~DAP~~ EQ
Sampled By:
Date Sampled:

Laboratory: EM LAB
Tel:
Fax:

CHAIN OF CUSTODY INFORMATION: Email: dkelly@ninyoandmoore.com dpacheco@ninyoandmoore.com

Analysis: PLM EPA 600/R-93/116 TAT: ~~24 HR~~ EQ Standard

Relinquished By: (sign/print)	Company	Date	Time(24 hr.)	Received By: (sign/print)
EQ	Ninyo & Moore	11-19-21		

002791333

Sample ID	Building Number	Sample Location	HA No.	Sample Description	Quantity (SF/LF/EA)	Friable (Y/N)	Condition
92	Building 5	Press Box - Exterior - Roof	27	White Penetration Mastic	3 sf	N	G
93	↓	↓	↓	↓	↓	↓	↓
94		Press Box - Exterior Roof	28	Roof Core	700 sf		
95		↓	↓	↓	↓		
96		↓	↓	↓	↓		
97		Exterior - Ramps	29	Stucco	1200 sf		
98		↓	↓	↓	↓		
99		↓	↓	↓	↓		
100		Kitchen South & Kitchen Restroom	30	Grey Flooring Textured on Concrete	200 sf		
101		↓	↓	↓	↓		
102	↓	↓	↓	↓	↓		
103	Ticket Booth	Ticket Booth 1-4	31	4 inch Black Cove Base w/ yellow glue	21 sf		
104	↓	↓	↓	↓	↓	↓	↓

Ninyo & Moore

ASBESTOS BULK SAMPLE DATA SHEET

Ninyo & Moore
475 Goddard, Suite 200
Irvine, CA 92618
Tel: (949) 753-7070
Fax: (949) 753-7071

Project Name : LBCCD Liberal Arts Campus Veterans Stadium
Address: 4901 E. Carson St, Long Beach
Project No: 210407001
Project Mar David Kelly

Date Sampled: 11-18-21
Sampled By: ~~DAP~~ EQ
Sampled By:
Date Sampled:

Laboratory:
EM LAB
Tel:
Fax:

002791333

CHAIN OF CUSTODY INFORMATION: Email: dkelly@ninyoandmoore.com dpacheco@ninyoandmoore.com

Analysis: **PLM EPA 600/R-93/116** TAT: ~~24 HR~~ EQ Standard

Relinquished By: (sign/print)	Company	Date	Time(24 hr.)	Received By: (sign/print)
EQ	Ninyo & Moore	11-19-21		/
/				/

Sample ID	Building Number	Sample Location	HA No.	Sample Description	Quantity (SF/LF/EA)	Friable (Y/N)	Condition
105	Ticket Booth	Ticket Booth 1-4	31	4 inch Black Cove Base w/ yellow glue	21 sf	N	G
106	↓	↓	32	12" x 12" vinyl floor tile w/ black mastic	70 sf	↓	↓
107	↓	↓	↓	↓	↓	↓	↓
108	↓	↓	↓	↓	↓	↓	↓
109	↓	↓	33	Plaster w/ skim Coat Walls	512 sf	↓	↓
110	↓	↓	↓	↓	↓	↓	↓
111	↓	↓	↓	↓	↓	↓	↓
112	↓	Exterior - Ticket Booth 1-4	34	Stucco	512 sf	↓	↓
113	↓	↓	↓	↓	↓	↓	↓
114	↓	↓	↓	↓	↓	↓	↓

Ninyo & Moore

ASBESTOS BULK SAMPLE DATA SHEET

Ninyo & Moore
475 Goddard, Suite 200
Irvine, CA 92618
Tel: (949) 753-7070
Fax: (949) 753-7071

Project Name: LBCCD Liberal Arts Campus
Address: Veterans Stadium 4901 E. Carson St. Long Beach
Project No: 210407004
Project Mar David Kelly

Date Sampled: 11·22·21
Sampled By: ~~DAP~~
Sampled By: EQ
Date Sampled: "

Laboratory:
EM LAB
Tel:
Fax:

002793866

CHAIN OF CUSTODY INFORMATION: Email: dkelly@ninyoandmoore.com dpacheco@ninyoandmoore.com

Analysis: **PLM EPA 600/R-93/116** TAT: ~~24 HR~~ Standard

Relinquished By: (sign/print)	Company	Date	Time(24 hr.)	Received By: (sign/print)	Laboratory
Equinta / EQ	Ninyo & Moore	11·23·21		11/23	

Sample ID	Building Number	Sample Location	HA No.	Sample Description	Quantity (SF/LF/EA)	Friable (Y/N)	Condition
114	Ticket Booth	Ticket Booth (Exterior) 1-4 - North	35	Roof Core (Tar and Gravel)	600SF	N	G
115	↓	↓ - Center	↓	↓	↓	↓	↓
116	✓	✓ - South	✓	✓	✓	✓	✓
		EQ					

Ninyo & Moore

PCB Laboratory Data

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: November 24, 2021

Mr. David Kelly
Ninyo & Moore
475 Goddard, Suite 200
Irvine, CA 92618
Tel:(949)753-7070x12267 E-Mail: DKelly@NinyoAndMoore.com

Project: **210407004 / 4901 E. Carson St.**
Lab I.D.: **211119-36, -37, -38**

Dear Mr. Kelly:

The **analytical results** for the solid samples, received by our lab on November 19, 2021, are attached. The samples were received chilled, intact, and accompanying chain of custody.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ninyo and Moore**
475 Goddard, Suite 200, Irvine, CA 92618
Tel: (949) 753-7070x12267 E-Mail: DKelly@NinyoAndMoore.com

PROJECT: **210407004 / 4901 E. Carson St.**

DATE RECEIVED: 11/19/21
DATE SAMPLED: 11/18/21
DATE EXTRACTED: 11/21-22/21
MATRIX: SOLID
DATE ANALYZED: 11/22/21
REPORTED TO: MR. DAVID KELLY
DATE REPORTED: 11/24/21

PCBs ANALYSIS
METHOD: EPA 3540C/8082
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
P-01 Window Putty	211119-36	ND	ND	ND	ND	ND	ND	6.33	6.33	1
P-02 Caulking (Urinals, Toilets Sink)	211119-37	ND	ND	ND	ND	ND	ND	0.635	0.635	1
P-03 Expansion Joint Caulking	211116-38	ND	ND	ND	ND	ND	ND	6.04	6.04	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected Or Below the Actual Detection Limit
* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260
*** = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: **11/22/2021**

Unit: mg/Kg(PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 211122-LCS 1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.099	**99%**	0.118	**118%**	**18%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.082	**82%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	211119-36	211119-37	211119-38			
Tetra-chloro-meta-xylene	50-150	134%	140%	141%	118%			
Decachlorobiphenyl	50-150	91%	86%	90%	80%			

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.								
Tetra-chloro-meta-xylene	50-150							
Decachlorobiphenyl	50-150							

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.								
Tetra-chloro-meta-xylene	50-150							
Decachlorobiphenyl	50-150							

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
✓ 72 Hours
0 1 Week (Standard)
Other:

Misc./PO#

RUSH

SAMPLE ID	LAB ID	SAMPLING DATE	TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	PCB 3540/8082									COMMENTS
P-01 window Putty	211119-36	11/18/21	11:05	Solid	1		ICE	X									
P-02 Caulking (urinals, Toilets, Sinks)	-37	↓	12:00	↓	↓		↓	↓									
P-03 Expansion Joint Caulking	-38	↓	12:45	↓	↓		↓	↓									

Analysis Required

Company Name: Ninyo & Moore	Project Contact: David Kelly	Sampler's Signature: [signature]
Address: 475 Goddard Ste. 200	Tel:	Project Name/ID: 210407004 4901 E. Carson St.
City/State/Zip: Irvine, CA	Fax/Email: dkelly@ninyoandmoore.com	

Relinquished by: Edilberto Quintero	Received by: [signature]	Date & Time: 11/19/21 1035	Instructions for Sample Storage After Analysis:
Relinquished by: [signature]	Received by: [signature]	Date & Time: 11/19/21 1145	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Date: 11·19·21

WHITE WITH SAMPLE • YELLOW TO CLIENT

Mold Laboratory Data

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

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

EMSL Order: 332127959
Customer ID: 32ninm50
Customer PO:
Project ID:

Attention: David Kelly
Ninyo & Moore
475 Goddard
Suite 200
Irvine, CA 92618

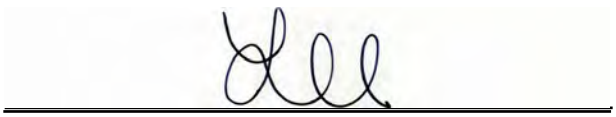
Project: LBCC - Veterans Stadium - 210407004

Phone: (949) 753-7070
Fax:
Collected Date: 11/18/2021
Received Date: 11/22/2021 10:40 AM
Analyzed Date: 11/23/2021 - 11/24/2021

Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	332127959-0001			332127959-0002			332127959-0003		
Client Sample ID:	M-01			M-02			M-03		
Volume (L):	75			75			75		
Sample Location:	N. corridor 04			Office 21			Adaptive facility		
Spore Types	**Raw Count**	**Count/M³**	**% of Total**	**Raw Count**	**Count/M³**	**% of Total**	**Raw Count**	**Count/M³**	**% of Total**
Alternaria (Ulocladium)	-	-	-	1	40	12.5	-	-	-
Ascospores	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium	10	440	68.8	1	40	12.5	-	-	-
Basidiospores	-	-	-	-	-	-	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	4	200	31.3	5	200	62.5	3	100	100
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	1	40	12.5	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Paecilomyces++	-	-	-	-	-	-	-	-	-
Stemphylium	-	-	-	-	-	-	-	-	-
Total Fungi	**14**	**640**	**100**	**8**	**320**	**100**	**3**	**100**	**100**
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.



Lindsay Rye, Micro Laboratory Manager
or other Approved Signatory

No discernable field blank was submitted with this group of samples.

Initial report from: 11/24/2021 09:54 AM

For information on the fungi listed in this report, please visit the Resources section at www.emsl.com

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

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

EMSL Order: 332127959
Customer ID: 32ninm50
Customer PO:
Project ID:

Attention: David Kelly
Ninyo & Moore
475 Goddard
Suite 200
Irvine, CA 92618

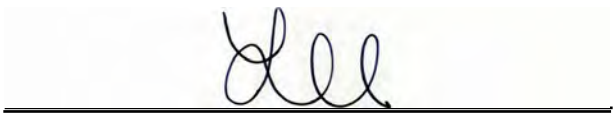
Project: LBCC - Veterans Stadium - 210407004

Phone: (949) 753-7070
Fax:
Collected Date: 11/18/2021
Received Date: 11/22/2021 10:40 AM
Analyzed Date: 11/23/2021 - 11/24/2021

Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	332127959-0004			332127959-0005			332127959-0006		
Client Sample ID:	M-04			M-05			M-06		
Volume (L):	75			75			75		
Sample Location:	Home team locker 2			Officials locker 3			S. men's restroom		
Spore Types	**Raw Count**	**Count/M³**	**% of Total**	**Raw Count**	**Count/M³**	**% of Total**	**Raw Count**	**Count/M³**	**% of Total**
Alternaria (Ulocladium)	-	-	-	1	40	3.6	1	40	0.7
Ascospores	-	-	-	-	-	-	1	40	0.7
Aspergillus/Penicillium	2	80	4.8	6	200	18	30	1200	20.2
Basidiospores	14	570	34.1	10	410	36.9	29	1200	20.2
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	25	1000	59.9	11	450	40.5	84	3400	57.3
Curvularia	-	-	-	1*	10*	0.9	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	1*	10*	0.6	-	-	-	1*	10*	0.2
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	1*	10*	0.6	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	1	40	0.7
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Paecilomyces++	-	-	-	-	-	-	-	-	-
Stemphylium	-	-	-	-	-	-	-	-	-
Total Fungi	**43**	**1670**	**100**	**29**	**1110**	**100**	**147**	**5930**	**100**
Hyphal Fragment	1	40	-	-	-	-	2	80	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	1*	10*	-
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	-	-	-	-	-	-	-	-
Fibrous Particulate (1-4)	-	-	-	-	-	-	-	-	-
Background (1-5)	-	1	-	-	1	-	-	1	-

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.



Lindsay Rye, Micro Laboratory Manager
or other Approved Signatory

No discernable field blank was submitted with this group of samples.

Initial report from: 11/24/2021 09:54 AM

For information on the fungi listed in this report, please visit the Resources section at www.emsl.com

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

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

EMSL Order: 332127959
Customer ID: 32ninm50
Customer PO:
Project ID:

Attention: David Kelly
Ninyo & Moore
475 Goddard
Suite 200
Irvine, CA 92618

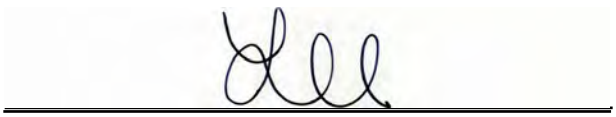
Project: LBCC - Veterans Stadium - 210407004

Phone: (949) 753-7070
Fax:
Collected Date: 11/18/2021
Received Date: 11/22/2021 10:40 AM
Analyzed Date: 11/23/2021 - 11/24/2021

Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	332127959-0007			332127959-0008			332127959-0009		
Client Sample ID:	M-07			M-08			M-09		
Volume (L):	75			75			75		
Sample Location:	Facilities maint. Office			S. ticket booth			Press box 1st floor - S.		
Spore Types	**Raw Count**	**Count/M³**	**% of Total**	**Raw Count**	**Count/M³**	**% of Total**	**Raw Count**	**Count/M³**	**% of Total**
Alternaria (Ulocladium)	1	40	1.7	2	80	1.5	-	-	-
Ascospores	1	40	1.7	2	80	1.5	5	200	4.7
Aspergillus/Penicillium	12	490	20.9	18	740	13.7	32	1300	30.4
Basidiospores	16	660	28.2	45	1800	33.4	21	860	20.1
Bipolaris++	-	-	-	2	80	1.5	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	28	1100	47	61	2500	46.4	42	1700	39.7
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	1*	10*	0.4	1*	10*	0.2	1*	10*	0.2
Myxomycetes++	-	-	-	3	100	1.9	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	1*	10*	0.2
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Paecilomyces++	-	-	-	-	-	-	5	200	4.7
Stemphylium	-	-	-	-	-	-	-	-	-
Total Fungi	**59**	**2340**	**100**	**134**	**5390**	**100**	**107**	**4280**	**100**
Hyphal Fragment	2*	30*	-	3	100	-	1	40	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	-	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	-	-	-	-	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.



Lindsay Rye, Micro Laboratory Manager
or other Approved Signatory

No discernable field blank was submitted with this group of samples.

Initial report from: 11/24/2021 09:54 AM

For information on the fungi listed in this report, please visit the Resources section at www.emsl.com

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

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

EMSL Order: 332127959
Customer ID: 32ninm50
Customer PO:
Project ID:

Attention: David Kelly
Ninyo & Moore
475 Goddard
Suite 200
Irvine, CA 92618

Project: LBCC - Veterans Stadium - 210407004

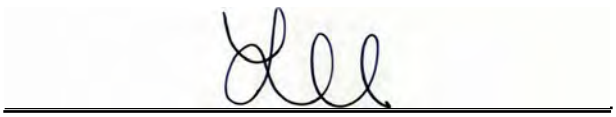
Phone: (949) 753-7070
Fax:
Collected Date: 11/18/2021
Received Date: 11/22/2021 10:40 AM
Analyzed Date: 11/23/2021 - 11/24/2021

Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	332127959-0010			332127959-0011			332127959-0012		
Client Sample ID:	M-10			M-11			M-12		
Volume (L):	75			75			75		
Sample Location:	Press box 1st floor - N.			Exterior - S/E			Exterior - N/W		
Spore Types	**Raw Count**	**Count/M³**	**% of Total**	**Raw Count**	**Count/M³**	**% of Total**	**Raw Count**	**Count/M³**	**% of Total**
Alternaria (Ulocladium)	-	-	-	-	-	-	1	40	0.7
Ascospores	9	400	7.3	3	100	1.8	3	100	1.7
Aspergillus/Penicillium	33	1400	25.5	35	1400	24.8	21	860	15
Basidiospores	32	1300	23.7	35	1400	24.8	32	1300	22.6
Bipolaris++	-	-	-	-	-	-	1*	10*	0.2
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	55	2300	42	58	2400	42.6	83	3400	59.1
Curvularia	-	-	-	1*	10*	0.2	-	-	-
Epicoccum	-	-	-	1*	10*	0.2	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	1	40	0.7	-	-	-	-	-	-
Myxomycetes++	1	40	0.7	8	300	5.3	1	40	0.7
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	1*	10*	0.2	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Paecilomyces++	-	-	-	-	-	-	-	-	-
Stemphylium	-	-	-	1*	10*	0.2	-	-	-
Total Fungi	**131**	**5480**	**100**	**143**	**5640**	**100**	**142**	**5750**	**100**
Hyphal Fragment	-	-	-	5	200	-	3	100	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	2	80	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	-	-	-	-	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

No discernable field blank was submitted with this group of samples.



Lindsay Rye, Micro Laboratory Manager
or other Approved Signatory

Initial report from: 11/24/2021 09:54 AM

For information on the fungi listed in this report, please visit the Resources section at www.emsl.com

OrderID: 332127959

Microbiology Chain of Custody Form

LA Testing Order Number / Lab Use Only

#332127959

LA Testing
520 Mission Street
South Pasadena, CA 91030

PHONE: 800-303-0047
EMAIL: PasadenaLab@LATesting.com

If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization.

Customer Information		Billing Information	
Customer ID:		Billing ID:	
Company Name:	Ninyo & Moore	Company Name:	
Contact Name:	David Kelly	Billing Contact:	
Street Address:	475 Goddard, Ste 200	Street Address:	
City, State, Zip:	Irvine, CA 92618	City, State, Zip:	
Country:	US	Country:	
Phone:	949-753-7070	Phone:	
Email(s) for Report:	dkelly@ninyoandmoore.com	Email(s) for Invoice:	

Project Information

Project Name/No:	LBCC - Veterans Stadium - 210407004	Purchase Order:	
LAT LIMS Project ID: (If applicable, EMSL will provide)		State Samples Collected: CA / Zip Code Samples Collected:: 90808	State of Connecticut (CT) must select project location: ☐ ☐
Sampled By Name:	David Kelly	Sampled By Signature:	No. of Samples in Shipment: 12

☐ Sterile, Sodium Thiosulfate Preserved Bottle Used: ☐ Biocide Used in Source (specify)

☐ Public Water Supply Samples: ☐ Note: **All results may automatically be reported to DOH if required by State.**

Turn-Around-Time (TAT) Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only; samples must be submitted by 11:30am.

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 32* Hour ☒ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

MICROBIOLOGY TEST CODES

M001 Air-O-Cell	**M174** MoldSnap	**M012** *Pseudomonas aeruginosa* (P/A***)	**M115** Sewage Screen - Water (P/A***)
M030 Mold Snap	**M032** Allergenco-D	**M024** *Pseudomonas aeruginosa* (MFT*)	**M116** Sewage Screen - Water (MPN**)
M041 Fungal Direct Examination		**M015** Heterotrophic Plate Count	**M117** Sewage Screen - Swab (P/A***)
M169 Pollen ID & Enumeration		**M017** Total Coliform & *E. Coli* (Colilert P/A***)	**M013** Sewage Screen - Swab (MFT*)
M280 Dust Characterization Level-1		**M018** Total Coliform & *E. Coli* (MFT*)	**M730** *Methicillin-resistant Staph. aureus* (MRSA)
M281 Dust Characterization Level-2		**M114** Total Coliform & *E. Coli Enumeration (Colilert MPN**)*	**M031** Rapid-growing non-TB *Mycobacteria* Detection & Enumeration
M005 Viable Fungi-Air Samples (Genus ID & Count)		**M019** Fecal Coliform (MFT*)	
M006 Viable Fungi-Air Samples (Includes *Penicillum, Aspergillus, Cladosporium, Stachybotrys* Species ID & Count)		**M020** Fecal *Streptococcus* (MFT*)	**M014** Endotoxin Analysis
		M029 *Enterococci* (MFT*)	**M044** Group Allergen (Cat, Dog, Cockroach, Dust Mite)
M007 Culturable Fungi-Surface Samples (Genus ID & Count)		**M129** *Enterococci* (Enterolert P/A***)	**M095** Bacteroides
M008 Culturable Fungi-Surface Samples (Includes *Penicillum, Aspergillus, Cladosporium, Stachybotrys* Species ID & Count)		**M180** Real Time qPCR-ERMI 36 Panel	**Other** - See Analytical Price Guide for Test Code
		M025 Sewage Screen - Water (MFT*)	***Legionella Analysis*** Please use EMSL *Legionella* COC
M009 Bacteria Culture Gram Stain & Count		***MFT=** Membrane Filtration Technique	
M010 Bacteria Count & ID - 3 Most Prominent		****MPN** = Most Probable Number	
M011 Bacteria Count & ID - 5 Most Prominent		*****P/A** = Presence/Absence	

Sample #	Sample Location/Description	Sample Type (Matrix)	Potable / Non-Potable (Only for Water)	Test Code	Volume/Area	Date / Time Collected	Temperature (Lab Use Only)
Example: Sample 1	Kitchen	Water	Potable	M017	1,000 ml	1/1/2021 3:30pm	
M-01	N. Corridor 04	Air		M001	75L	11/16/21 8:52am	
M-02	Office 21	↓		↓	↓	9:35am	
M-03	Adaptive Facility		DUPE			11:00am	
M-04	Home Team Locker 2					11:20am	
M-05	Officials Locker 3					11:40am	
M-06	S. Men's P...m	↓	↓	↓	↓	↓ 12:00pm	

Special I... ...or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by: David Kelly	Date/Time: 11/19/21 4:00p.m	Received by: JS (EMSL-FX)	Date/Time: 11/22/21 10:40a
Relinquished by:	Date/Time:	Received by:	Date/Time

Controlled Document - COC-34 LAT Micro R10 02/26/2021

☐ **AGREE TO ELECTRONIC SIGNATURE** (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc. (DBA LA Testing) Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to LA Testing constitutes acceptance and acknowledgment of all terms and conditions by Customer.

OrderID: 332127959

LA TESTING

Microbiology Chain of Custody Form

LA Testing Order Number / Lab Use Only

#332127959

LA Testing
520 Mission Street
South Pasadena, CA 91030

PHONE: 800-303-0047
EMAIL: PasadenaLab@LATesting.com

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Sample #	Sample Location/Description	Sample Type (Matrix)	Potable / Non-Potable (Only for Water)	Test Code	Volume/Area	Date / Time Collected	Temperature (Lab Use Only)
M-07	Facilities Maint. Office	Air		M0001	75L	11/18/21 1:00pm	
M-08	S. Ticket Booth	↓		↓	↓	1:25pm	
M-09	Press Box 1st Floor - S.	↓		↓	↓	2:05pm	
M-10	↓ - N.	↓		↓	↓	2:20pm	
M-11	Exterior - S/E	↓		↓	↓	2:45pm	
M-12	↓ - N/W	↓		↓	↓	↓ 3:00pm	

Method of Shipment: FedEx		Sample Condition Upon Receipt:	
Relinquished by: David Kelly	Date/Time: 11/19/21 4:0p.m	Received by:	Date/Time
Relinquished by:	Date/Time:	Received by:	Date/Time

Controlled Document - COC-34 LAT Micro R10 02/26/2021

☐ **AGREE TO ELECTRONIC SIGNATURE** (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc. (DBA LA Testing) Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to LA Testing constitutes acceptance and acknowledgment of all terms and conditions by Customer.

Allergen Laboratory Data

eurofins | EMLab P&K

Report for:

David Kelly
Ninyo & Moore - Irvine
475 Goddard
Suite 200
Irvine, CA 92618

Regarding: Project: 210407004-LBCC Veterans Stadium; Liberal Arts Campus
EML ID: 2793017

Approved by:

Technical Manager
Danny Li

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the samples as received and tested.

---

700 Harris Street
Charlottesville VA, 22903
(434) 984-2304
www.inbio.com

Indoor Allergen Analysis Report
Allergen Analysis Results

InBio® Services

Batch ID: 21-0424M

E=ELISA, M=MARIA, T=Endotoxin, Z=Enzyme

Eurofins EMLab P&K - Irvine

Kara Ralutin
17461 Derian Ave., Suite 100
Irvine, CA 92614
PHONE: 858-268-2770 ***FAX:***

Project ID# 2793017

Date RECEIVED: 11/23/2021
Date Assayed: 11/29/2021
Date Reported: 12/01/2021 9:33:21 AM

Der p 1, Der f 1, Fel d 1, Can f 1 and Bla g 2 results reported as microgram allergen per gram dust.

		Mite Allergens:		*Cat:*	*Dog:*	*Cockroach:*
Accession:	***Sample:***	**Der p 1**	**Der f 1**	**Fel d 1**	**Can f 1**	**Bla g 2**
221-3718	A-01	<0.012	0.158	0.211	0.031	<0.196
221-3719	A-02	<0.012	<0.012	<0.004	<0.012	<0.196
221-3720	A-03	<0.012	<0.012	0.048	<0.012	<0.196

NES = Insufficient sample for the assay ***Results apply only to the samples tested and provided by the customer.***

The reporting limits are 0.012 µg/g for Der p 1, Der f 1 and Can f 1; 0.004 µg/g for Fel d 1 and 0.196 µg/g for Bla g 2.

MARIA® allergen analysis data is aquired using Bio-Plex® 100/200 instrument and Bio-Plex® Manager 6.1 software.

Der p 1, Der f 1, Fel d 1, Can f 1 and Bla g 2 results reported as microgram allergen per gram dust.

		Mite Allergens:		*Cat:*	*Dog:*	*Cockroach:*
Accession:	***Sample:***	**Der p 1**	**Der f 1**	**Fel d 1**	**Can f 1**	**Bla g 2**

Guidelines:* **The following guidelines for Dermatophagoides mite, cat, dog and cockroach allergen levels in house dust have been proposed:** **1,2,3,6**

		MITE Group 1	CAT/DOG	Bla g 1	Bla g 2
LOW	**(not sufficient to cause allergic symptoms)**	**< 2 µg Mite Group 1/g dust**	**< 0.2 µg Fel d 1 or Can f 1/g dust**	**< 0.10 µg Bla g 1/g dust**	**< 0.20 µg Bla g 2/g dust**
SIGNIFICANT	**(risk for sensitization and bronchial hyperactivity)**	**2-10 µg Mite Group 1/g dust**	**8-20 µg Fel d 1 or Can f 1/g dust**	**0.10-0.80 µg Bla g 1/g dust**	**0.20-0.4 µg Bla g 2/g dust**
HIGH	**(risk for acute asthmatic attack)**	**> 10 µg Mite Group 1/g dust**	**1-8 µg Fel d 1 or Can f 1/g dust**	**>0.80 µg Bla g 1/g dust**	**> 1 µg Bla g 2/g dust**

CAT/DOG **The results of two studies have observed that increased exposure to high levels of Fel d 1 and Can f 1 have caused individuals to develop a tolerance, which means that individuals could potentially be exposed to 8-20 µg/g dust and only experience mild allergic symptoms. Individuals with less exposure to high levels of Fel d 1 and Can f 1 (1-8µg/g dust) may experience more severe allergic symptoms. 2,4,6**

COCKROACH **Some investigators feel that any detectable level of cockroach allergen is clinically significant because its presence identifies a building in which persons who are cockroach allergic are at risk to develop symptoms because of exposure. 5,6**

1. J. Allergy Clin Immunol 1989; 83:416-427.

2. Amer Rev Respir Dis 1990; 141:361-367

3. Amer Rev Respir Dis 1993; 147:573-578

4. Amer J Res Crit Care Med 1997; 155:94-98

5. J. Allergy Clin Immunol 1997; 100:S1-S24

6. Pediatric Allergy Principles and Practice 2003; 261-68

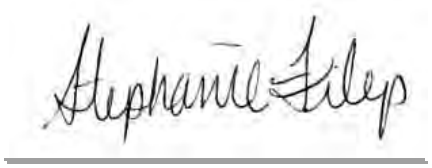
*** This report furnishes information only and is not intended to be an interpretation of the results. Whether an individual suffers allergic symptoms or not depends not only on the level of allergens in his/her environment but also on his/her medical history and previous exposure.**

Uncertainty of Measurement for MARIA®:

Der p 1	Der f 1	Fel d 1	Can f 1	Bla g 2
22.4	24.2	31.7	22.8	26.7

Allergen quantification using the MARIA® multiplex method is based on calibration standards formulated from purified natural or recombinant allergens, with concentration determined by Amino Acid Analysis. Allergen concentrations determined using this method, and as provided in this Allergen Analysis Report, including limits of detection, are subject to the measurement uncertainty shown in the chart above (expressed as a percentage). For example, a reported value of 10ug/g Der p 1 could range from 7.76 to 12.24ug/g.

Report reviewed and approved by:
Stephanie Filep, BS
Director of Laboratory Services



NES = Insufficient sample for the assay ***Results apply only to the samples tested and provided by the customer.***

The reporting limits are 0.012 µg/g for Der p 1, Der f 1 and Can f 1; 0.004 µg/g for Fel d 1 and 0.196 µg/g for Bla g 2.

MARIA® allergen analysis data is aquired using Bio-Plex® 100/200 instrument and Bio-Plex® Manager 6.1 software.

CHAIN OF CUSTODY

eurofins | EMLab P&K

www.EMLabPK.com

Marlton, NJ: 3000 Lincoln Dr E, Ste. A, Marlton, NJ 08053 * **(866) 871-1984**
Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * **(800) 651-4802**
SSF, CA: 6000 Shoreline Ct, Ste. 205, S. San Francisco, CA 94080 * **(866) 888-6653**

WEATHER	Fog	Rain	Snow	Wind	Clear
LEVEL None					
Light					
Moderate					
Heavy					

002793017

CONTACT INFORMATION

Company:	Ninyo & Moore	Address:	475 Goddard Ste 200, Irvine, CA
Contact:	David Kelly	Special Instructions:	dkelly@ninyoandmoore.com
Phone:	949-753-7070		

PROJECT INFORMATION

Project ID:	2104071004 - LBCC Veterans Stadium		
Project Description:	Liberal Arts Campus		
Project Zip Code:	90808	Sampling Date/Time:	11/18/21
PO Number:		Sampled By:	David Kelly

TURN AROUND TIME CODES - (TAT)

STD - Standard (Default)
ND - Next Business Day
SD - Same Business Day
WH - Weekend/Holiday/ASAP

Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.

REQUESTED SERVICE

Non-Culturable

Spore Trap: Spore Trap Analysis

Tape, Swab, Bulk: Other biological particles - supplement; Direct Microscopic Exam (Qualitative); Quantitative spore count direct exam; Dust Characterization

Culturable

BioCassette™ Andersen, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plate: 1-Media Surface Fungi (Genus ID + Asp. spp.); Culturable Air Fungi (Genus ID + Asp. spp.); Gram Stain and Counts (Culturable Air and Surface Bacteria); *Legionella* culture; Total Coliform, *E.coli* (Presence/Absence); QuantiTray-Sewage Screen; OTHER: (please specify test)

Asbestos in Air - PCM Airborne Fiber Count (NIOSH 7400); Asbestos Bulk - PLM; Lead (Pb) - Flame AA; PCR (please specify test); Allergens (please specify test) Mycotic screen

SAMPLE ID	DESCRIPTION	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)	NOTES (Time of day, Temp, RH, etc.)	Mycotic screen
A-01	Classroom S112/S113	D	STD	NA	Carpet 11/18/21	X
A-02	Home Team Locker 2	↓	↓	↓	↓ ↓	X
A-03	Facilities Maint. Offices	↓	↓	↓	↓ ↓	X

DMK

SAMPLE TYPE CODES

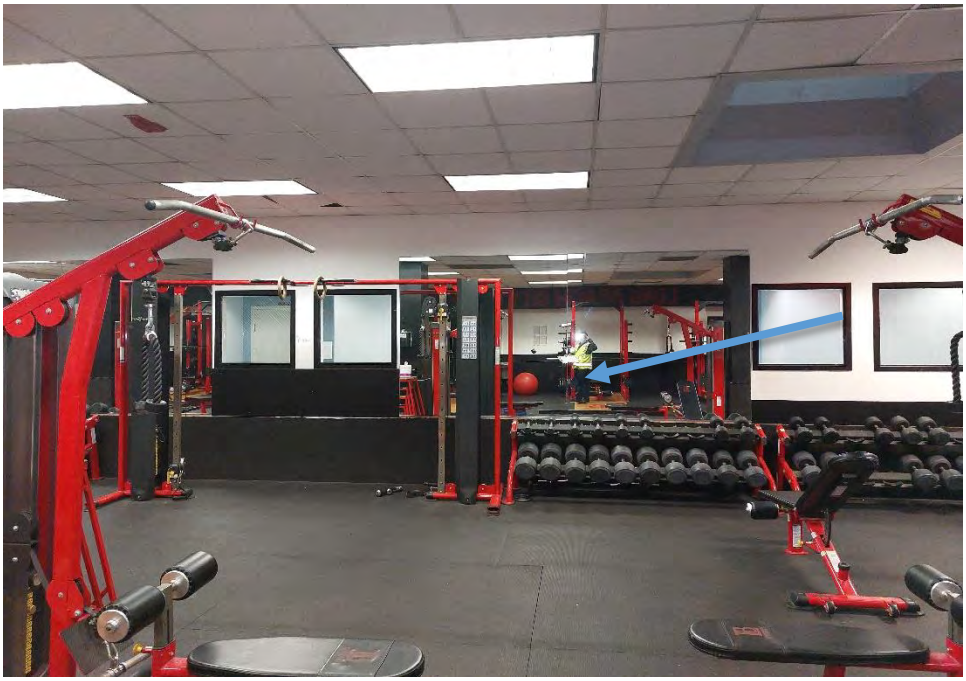
BC - BioCassette™	**CP** - Contact Plate	**T** - Tape	**O** - Other:
A1S - Andersen	**ST** - Spore Trap	**SW** - Swab	
SAS - Surface Air Sampler	**B** - Bulk	**SO** - Soil	
NP - Non-potable Water	**P** - Potable Water	**D** - Dust	

RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
David Kelly	11/19/21 4:45pm		11/22/21 8:55

APPENDIX E

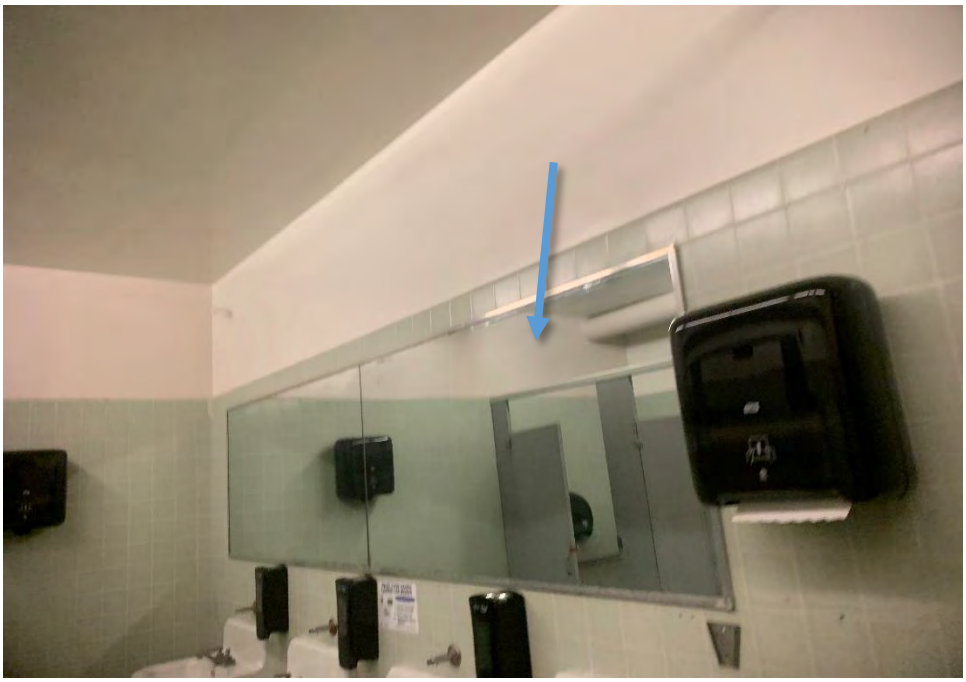
Photographs

Photograph 1: General view of Building S (Veteran's Stadium).



Photograph 2: View of the assumed asbestos containing mirror mastic within the gym.

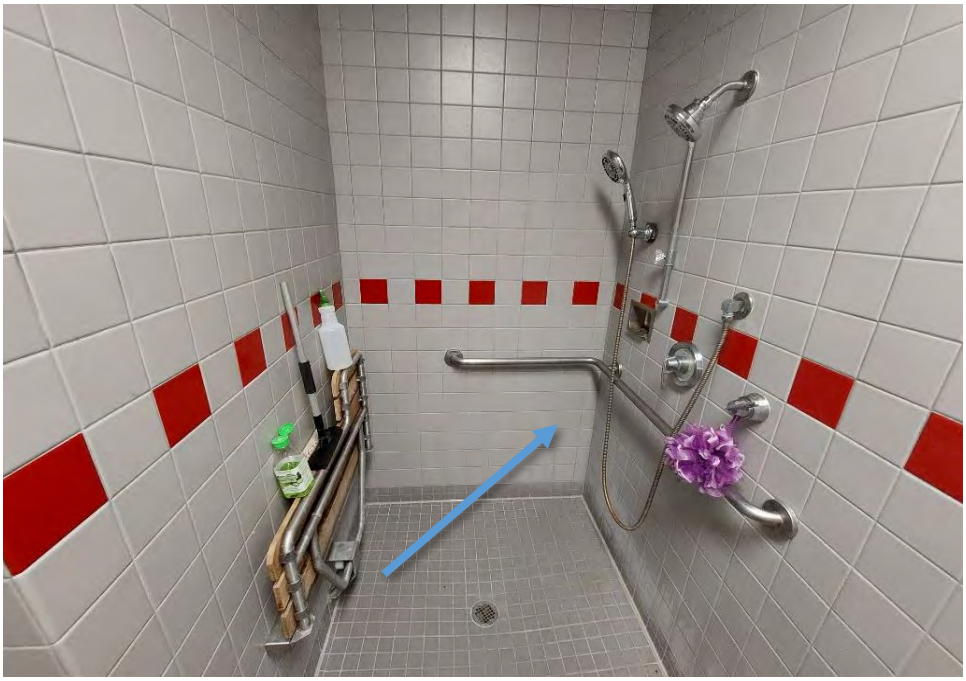
Photograph 3: View of the assumed asbestos containing mirror mastic within the adaptive facility.



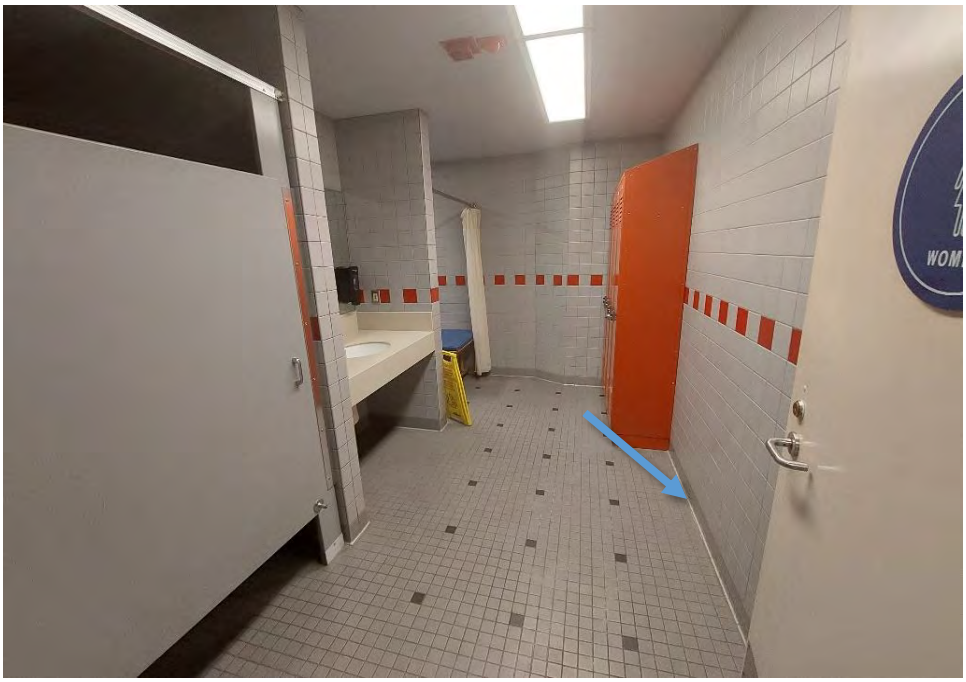
Photograph 4: Representative view of the assumed asbestos containing mirror mastic throughout restrooms.

Photograph 5: **View of the assumed asbestos containing pipe gaskets associated with the fire riser on the exterior southern end of the building.**

Photograph 6: **View of Ticket Booth adjacent to Veteran's Stadium with asbestos containing tar and gravel roofing material.**



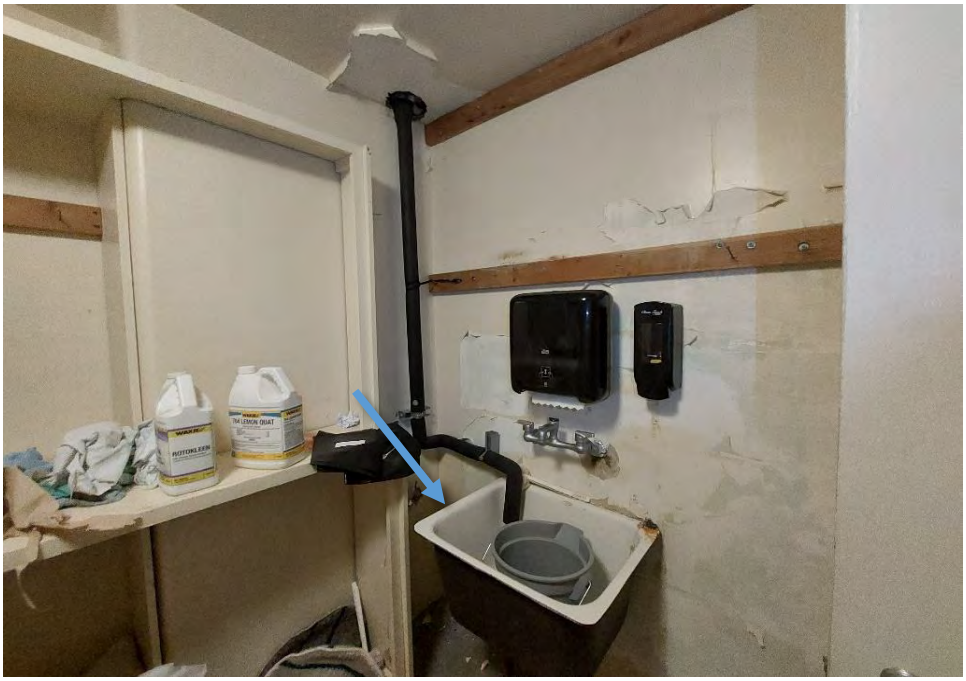
Photograph 7: **Representative view of the lead containing 4”x4” Light Gray and Red ceramic wall tile in the men’s & women’s locker rooms.**



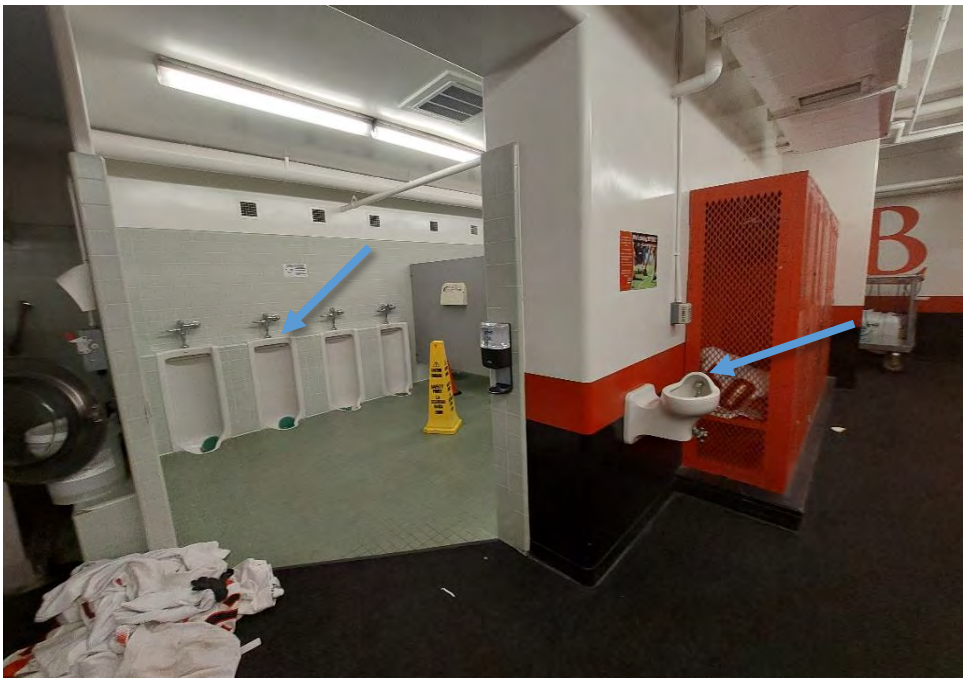
Photograph 8: **View of the view of the lead containing 4”x4” gray ceramic cove base within the men’s and women’s locker rooms.**

Photograph 9: View of the lead containing sink within the adaptive facility room.

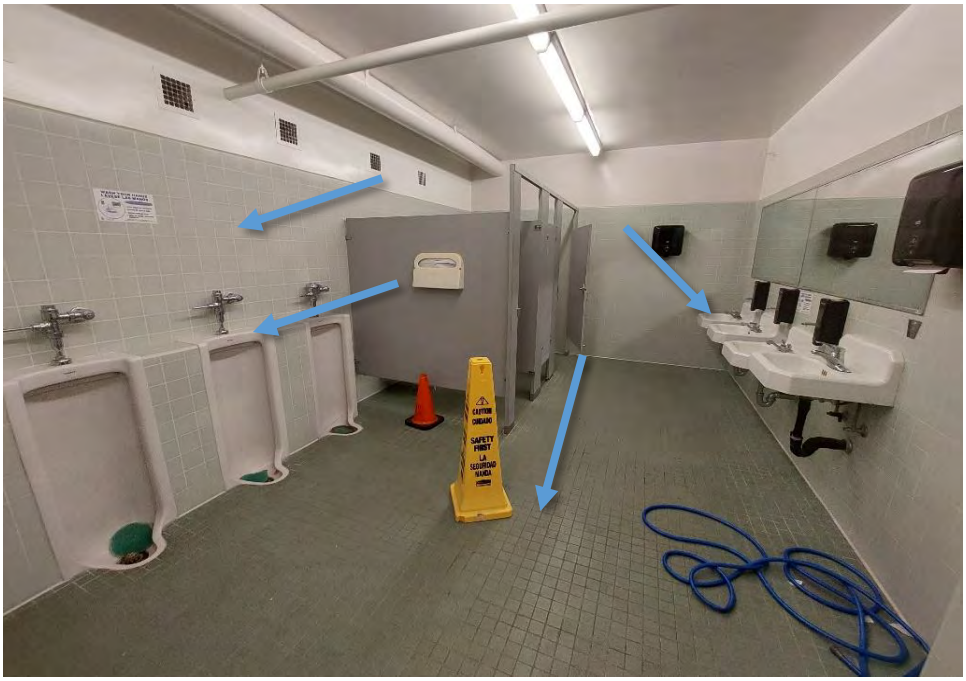
Photograph 10: Representative view of the lead containing sinks within restrooms.



Photograph 11: **Representative view of the lead containing deep sinks within janitor's closet and locker room 4 storage room.**



Photograph 12: **Representative view of the lead containing water fountain and urinals throughout locker rooms 1-4.**



Photograph 13: **Representative view of the lead containing 4”x4” ceramic wall tile, 2”x2” green ceramic floor tile, urinals, and sinks found throughout locker rooms 1-2.**

Photograph 14: **Representative view of the lead containing 4”x4” yellow ceramic wall tile, 2”x2” brown floor tile and urinals throughout locker rooms 3-4.**

Photograph 15: **View of the lead containing 4”x4” pink ceramic wall tile throughout women’s restrooms.**

Photograph 16: **View of the lead containing floor drain screen in the throughout men’s and women’s restrooms.**

Photograph 17: **View of the PCB sample location of the window putty on the exterior windows.**

Photograph 18: **Representative view of the PCB sample location of the caulking associated with the sinks, toilets, and urinals throughout.**

Photograph 19: **Representative view of the PCB sample location of the caulking associated with the exterior expansion joints (ramps and stadium seating throughout.**

Photograph 20: **View of the water staining/damage on the drywall ceiling within the north corridor 04.**

Photograph 21: **View of the water staining/damage on the laid-in ceiling tiles within office 21.**

Photograph 22: **View of the water staining/damage on the laid-in ceiling tiles within the press box (glued on ceiling tiles above).**

Photograph 23: View of the water staining/damage on the laid-in ceiling tiles within the press box (glued on ceiling tiles above).

Photograph 24: View of the water staining/damage on the laid-in ceiling tiles within the press box (glued on ceiling tiles above).

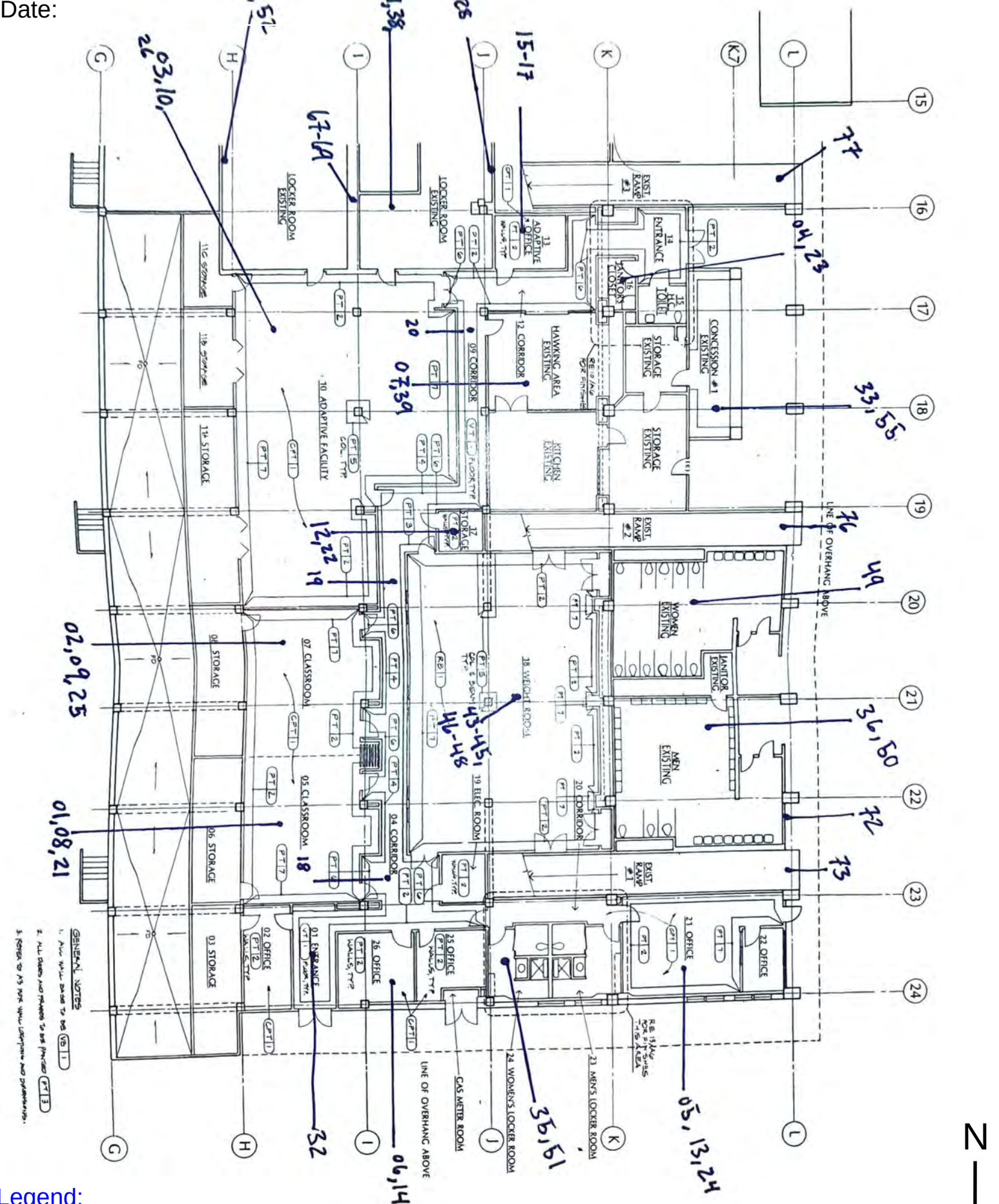
APPENDIX F

Field Drawings

Asbestos and Lead Field Drawings

Project Number 210407004
Calculated by: EQ
Reviewed by:
Date:

North End of Building - S (Veterans Stadium)



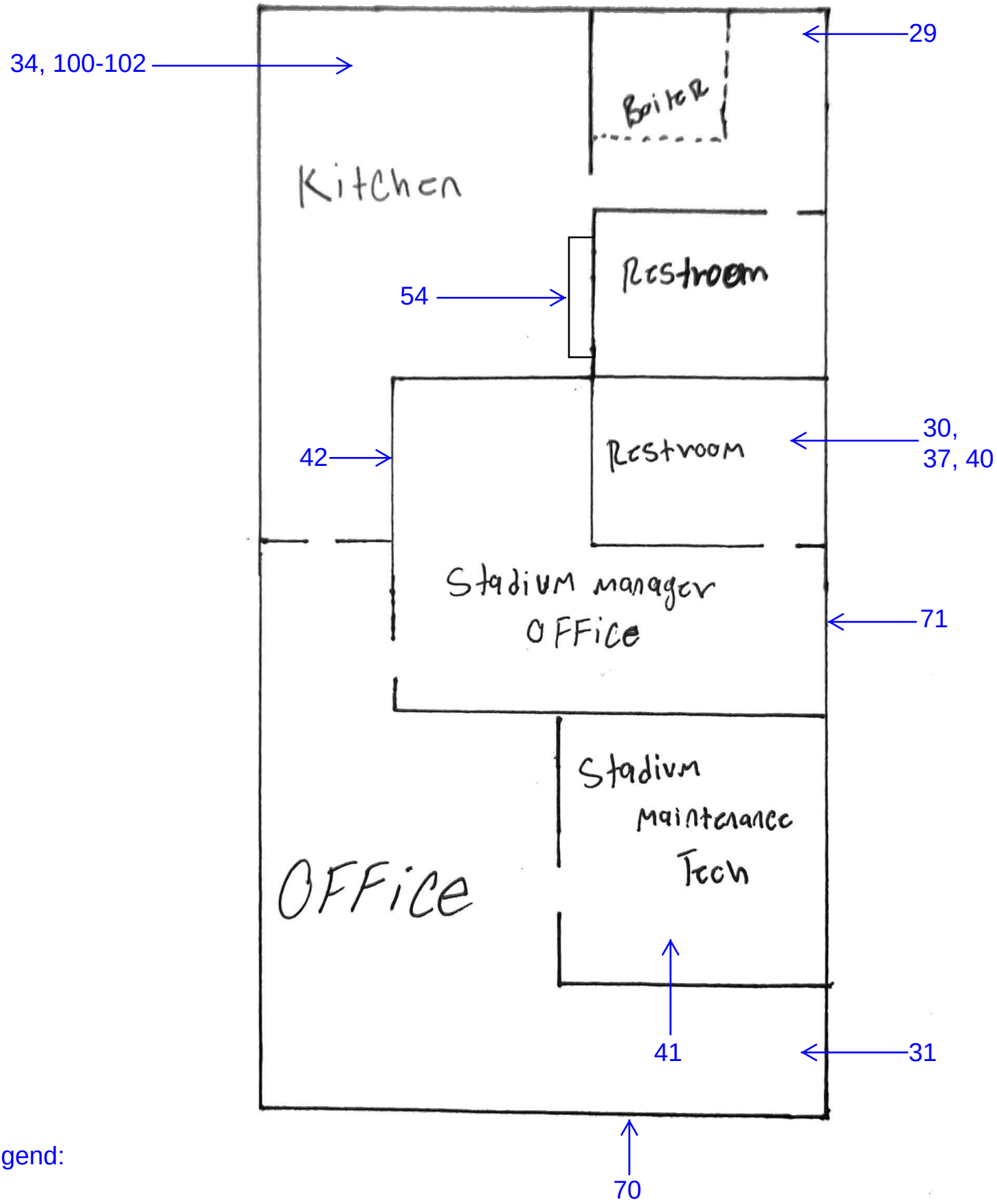
Legend:

Suspect Asbestos Sample #

Project Number 210407004
Calculated by: EQ
Reviewed by:
Date:

South End of Building - S
(Veterans Stadium)

N

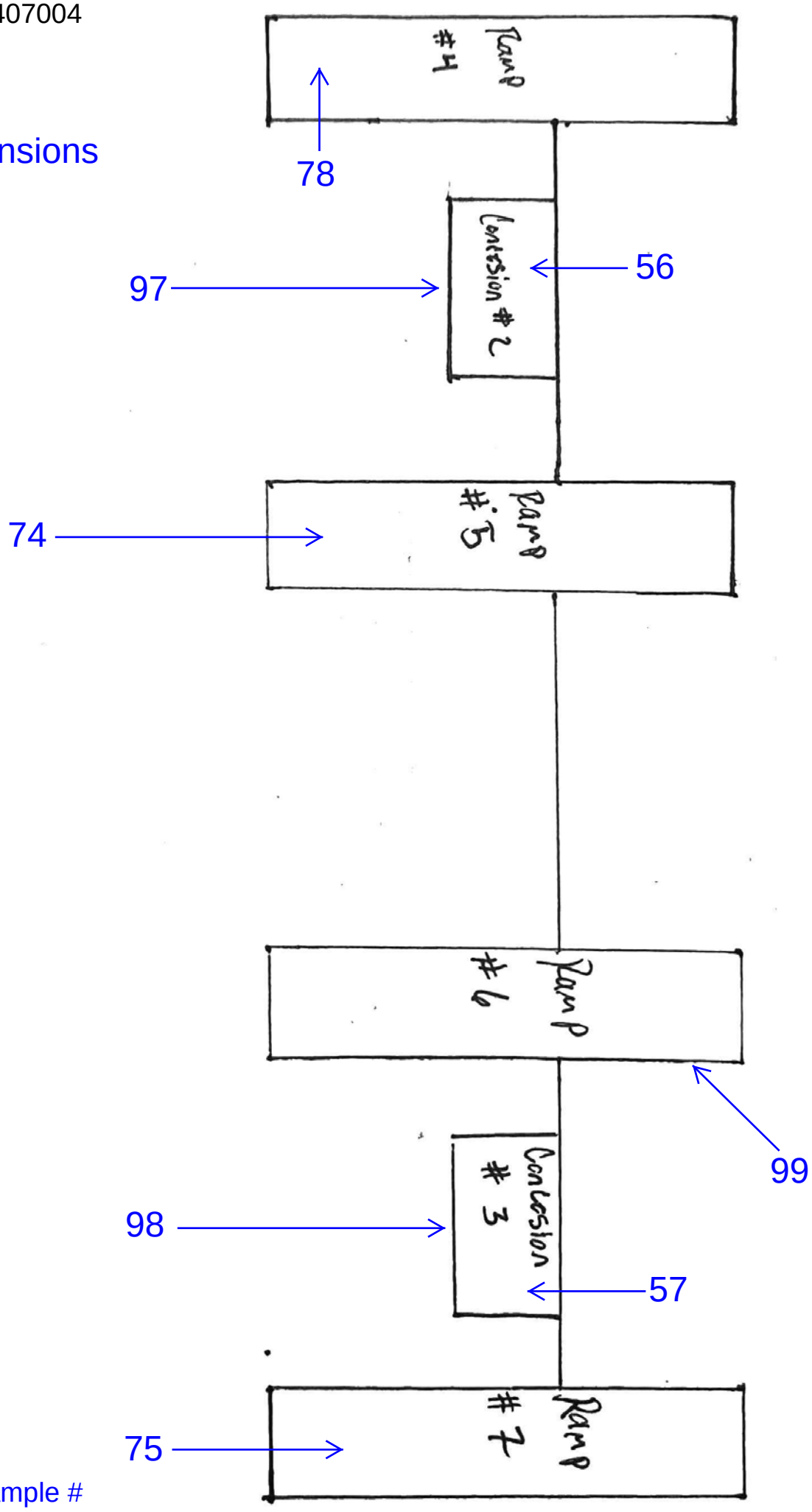


Legend:

Suspect Asbestos Sample #

Project Number 210407004
Calculated by: EQ
Reviewed by:
Date:

Ramps & Concensions



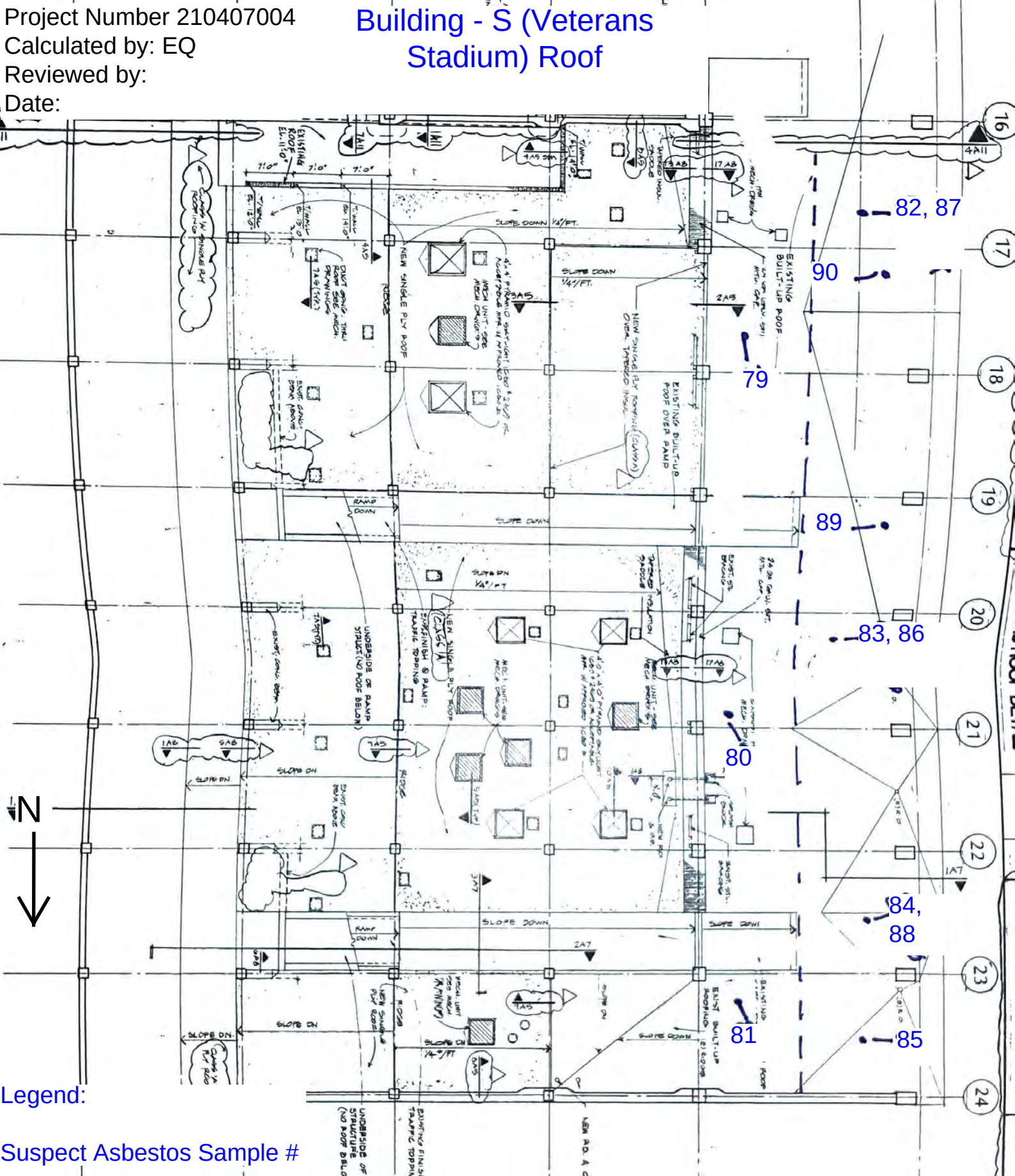
N

Legend:

Suspect Asbestos Sample #

Project Number 210407004
Calculated by: EQ
Reviewed by:
Date:

Building - S (Veterans Stadium) Roof

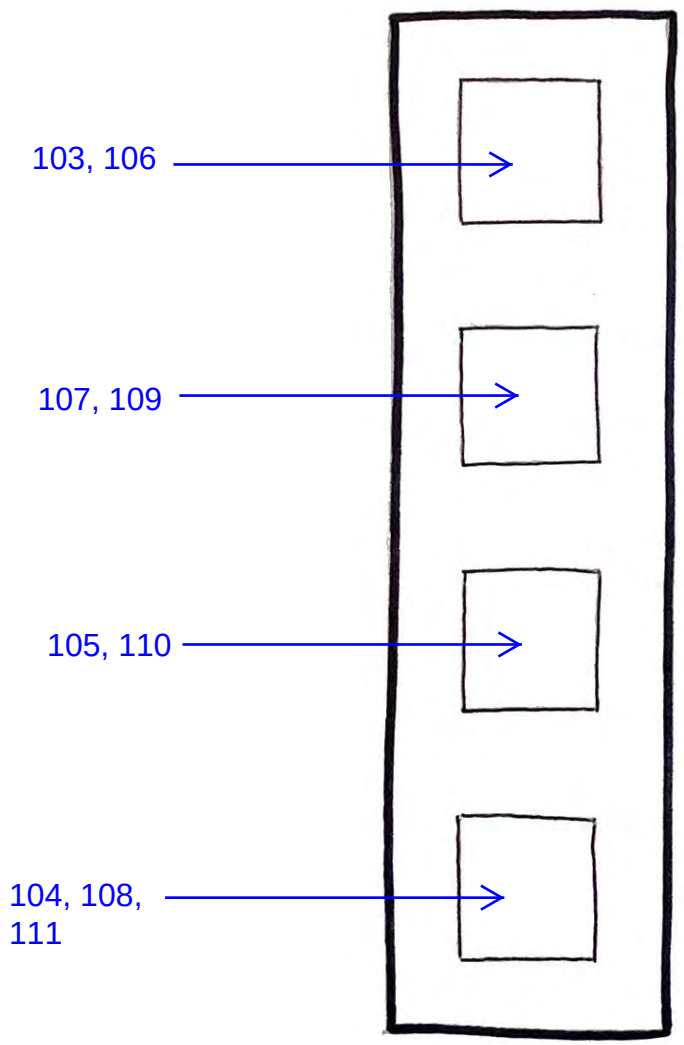


Ninyo & Moore

Project Number 210407004
Calculated by: EQ
Reviewed by:
Date:

N

Ticket Booth (Interior)



Legend:

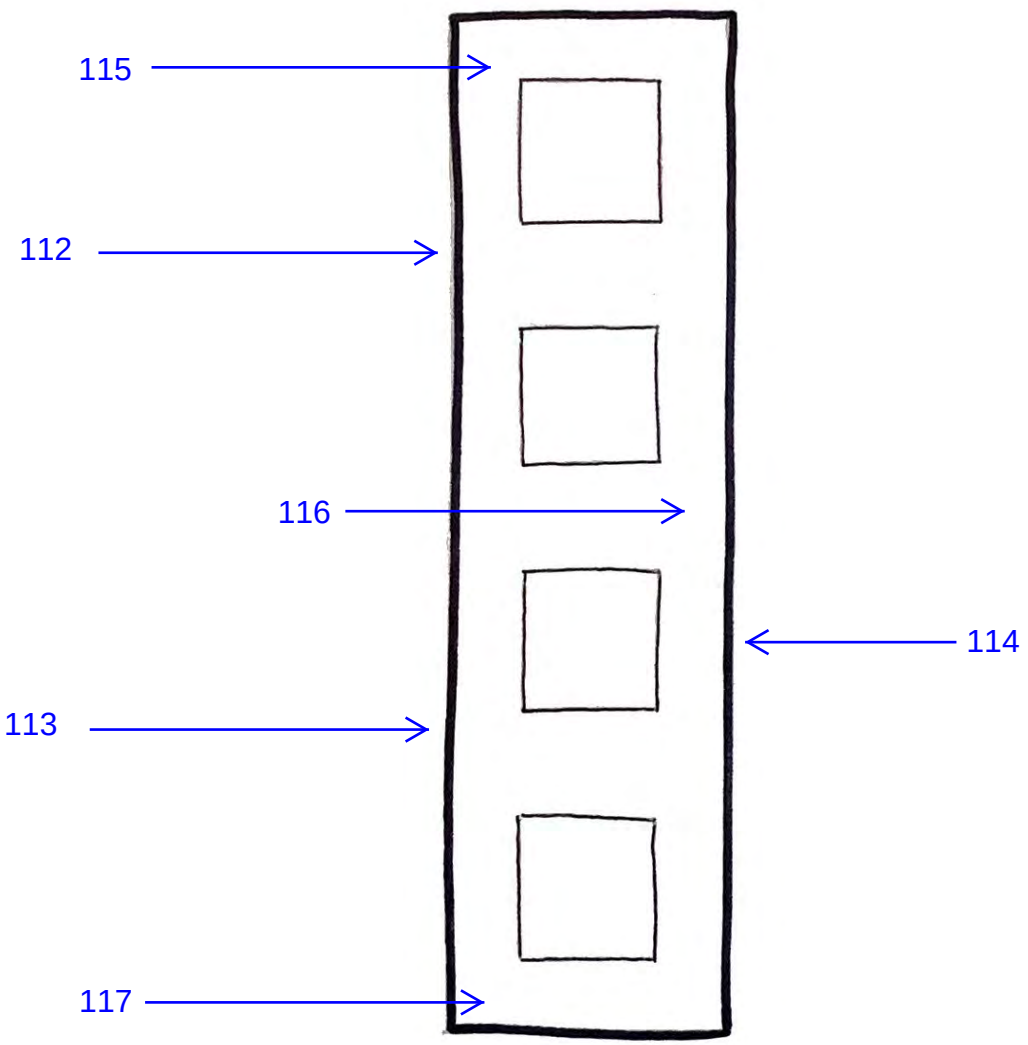
Suspect Asbestos Sample #

Ninyo & Moore

Project Number 210407004
Calculated by: EQ
Reviewed by:
Date:

N

Ticket Booth (Exterior)



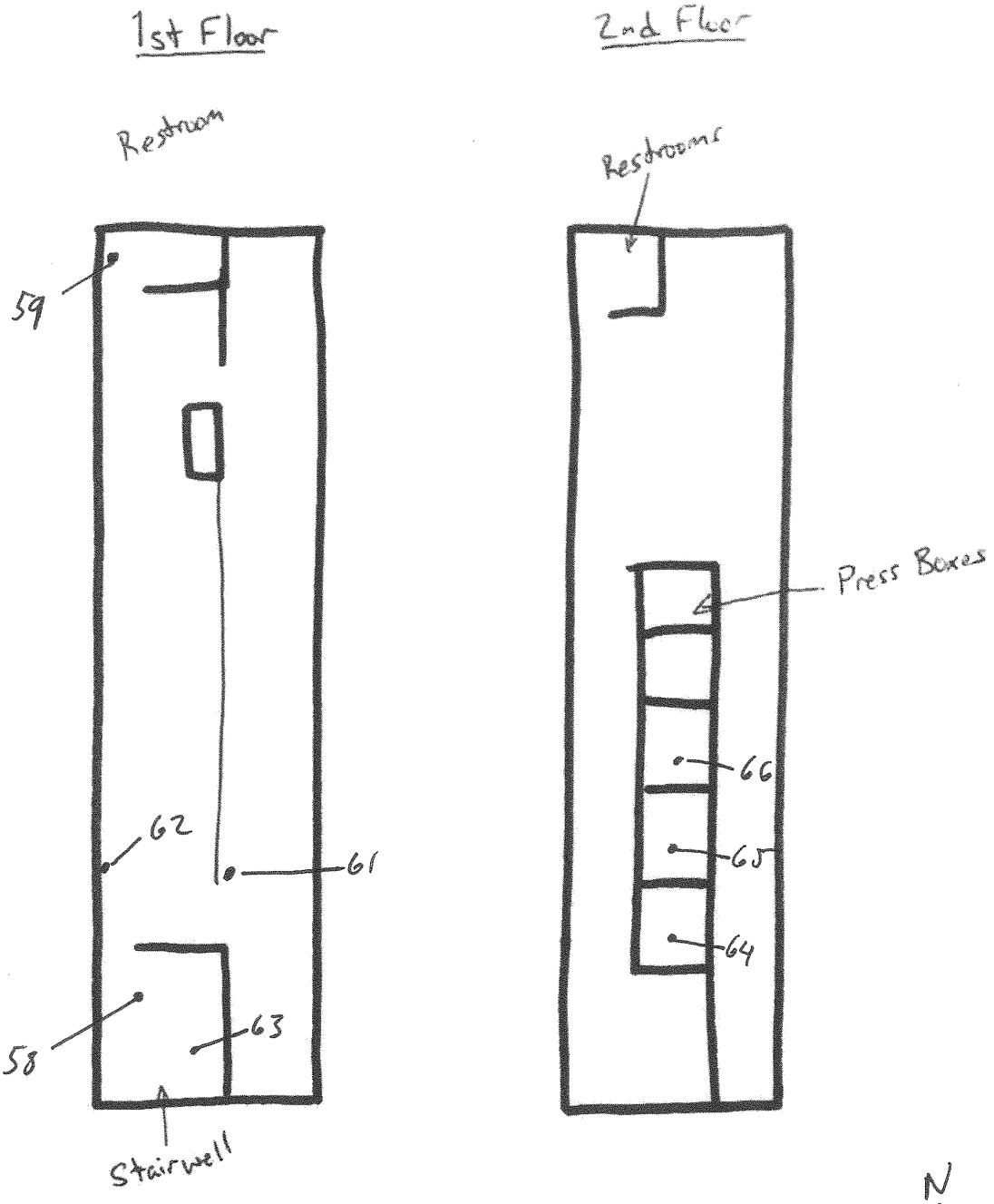
Legend:

Suspect Asbestos Sample #

Stadium Press Box

Ninyo & Moore

Project Name: LBCC Veterans Stadium
Project Number: 210407004
Calculated By: DAP Date: 11-18-21
Checked By: Date:
Scale: NTS Sheet 1 of 2



Legend:

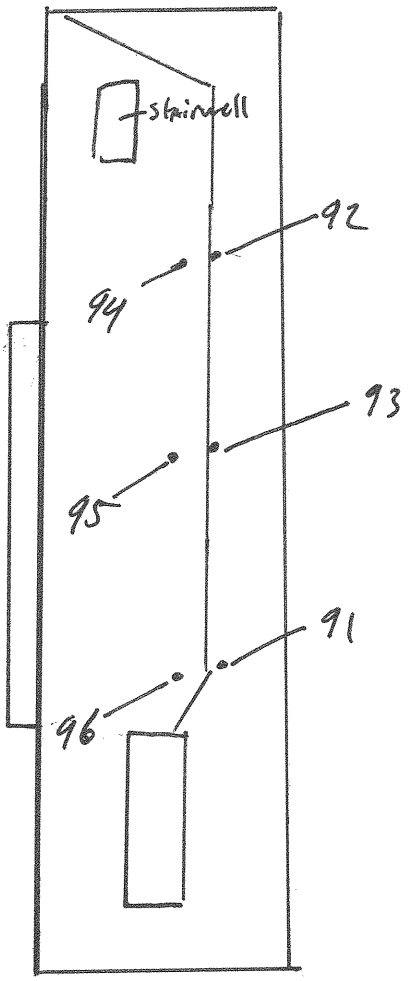
- Suspect Asbestos Sampling Location

Stadium Press Box

Ninyo & Moore

Project Name LBCC Veteren Stadium
Project Number 210407004
Calculated By DAP Date 11-28-21
Checked By _____ Date _____
Scale NTS Sheet 2 of 2

Roof



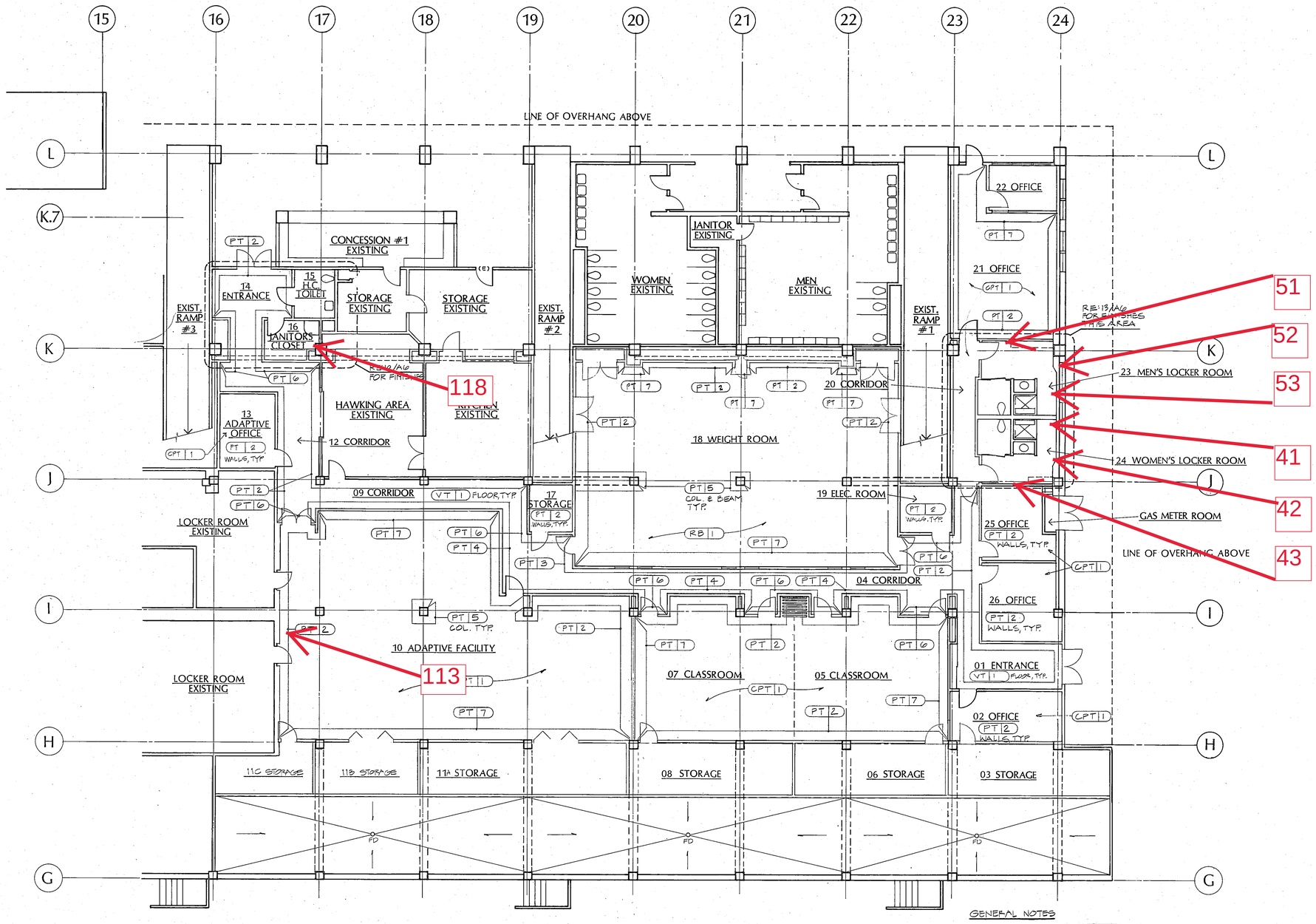
Legend:

- Suspect Asbestos Sampling Location

N

S- Building

Project Name:LBCCD Veteran's Stadium
Project No: 210407004
Prepared by: DAP
Review by: DMK
Date: 11-18-21



GENERAL NOTES

1. ALL WALL BASE TO BE VB | 1
2. ALL DOORS AND FRAMES TO BE PAINTED PT | 3
3. REFER TO A3 FOR WALL LOCATIONS AND DIMENSIONS.

FINISH FLOOR PLAN | 1/8":1'-0"

A9

REGISTERED ARCHITECT James C. McKERNAN Jr. C15533 STATE OF CALIFORNIA

HNTB
ARCHITECTS ENGINEERS PLANNERS

HOWARD NEEDLES TAMMEN & BERGENDOFF

THE WILTERN CENTER
WILSHIRE BLVD. AT OXFORD
685 SO. OXFORD AVENUE
LOS ANGELES, CA 90005

213-386-7070

STRUCTURAL ENGINEERS
BRANDOW & JOHNSTON ASSOCIATES
1660 WEST THIRD STREET
LOS ANGELES, CA 90017
(213) 484-8850

ELECTRICAL ENGINEERS
CALPEC engineering
280 SOUTH LOS ROBLES
PASADENA, CA 91101
(818) 792-6858

MECHANICAL ENGINEERS
HNTB
THE WILTERN CENTER
WILSHIRE BLVD. AT OXFORD
685 SO. OXFORD AVENUE
LOS ANGELES, CA 90005
(213) 386-7070

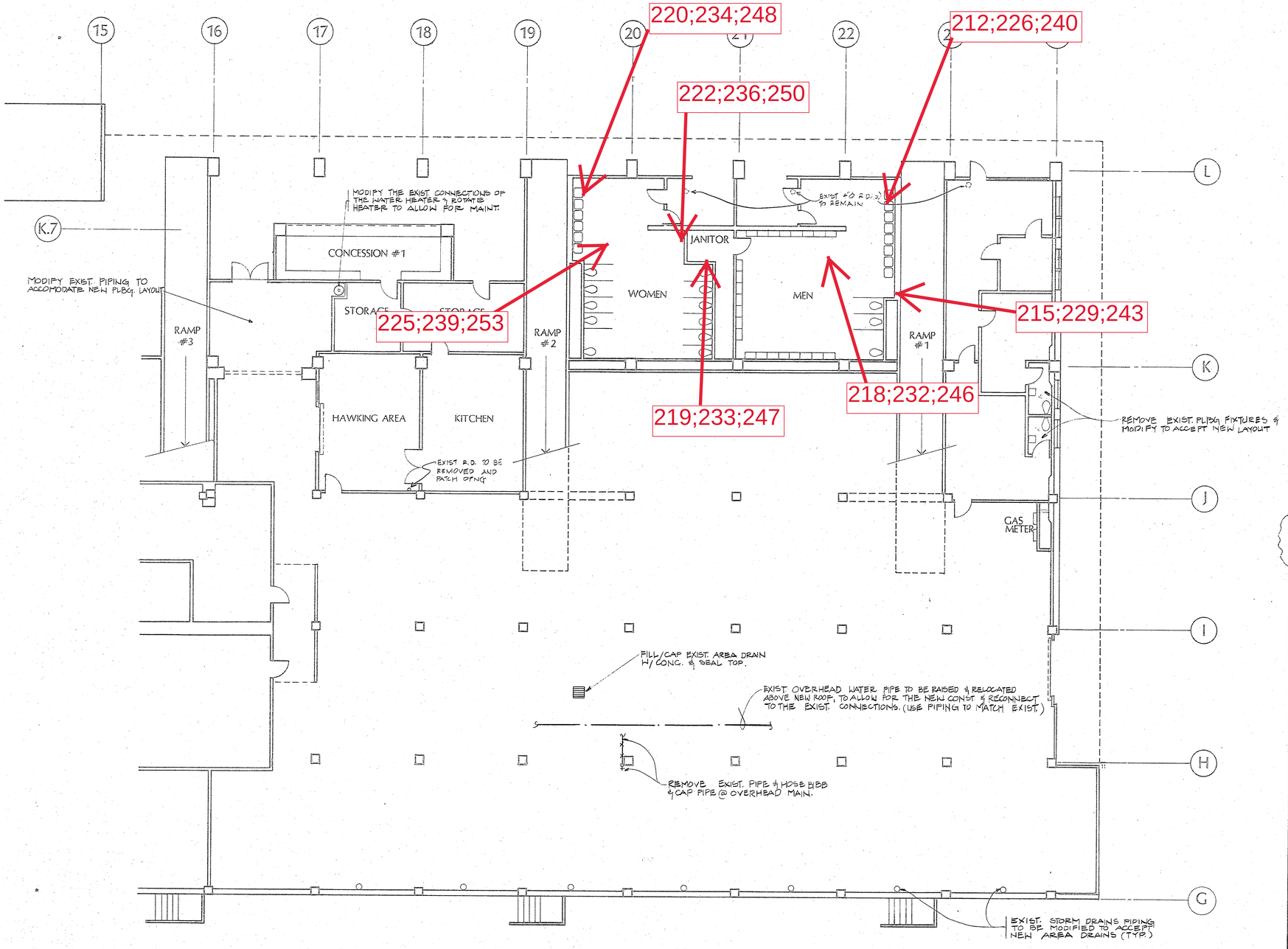
LONG BEACH VETERANS STADIUM
PHYSICAL EDUCATION FACILITY

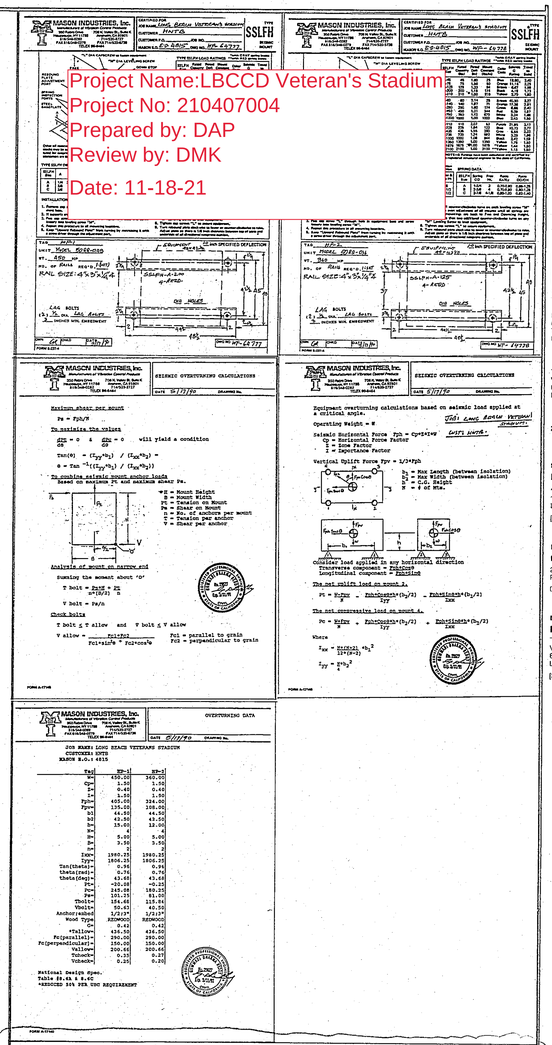
SCALE: 1/8" - 1'-0"
PROJECT NO: 13213
DATE: 5-24-90
DRAWN BY:
CHECKED BY:
REVISIONS:

FINISH FLOOR PLAN

Men's and Women's Public Restrooms: North-Center-South

Project Name:LBCCD Veteran's Stadium
Project No: 210407004
Prepared by: DAP
Review by: DMK
Date: 11-18-21





DEMOLITION PLAN | 1/8": 1'-0" | 1

HNTB
ARCHITECTS ENGINEERS PLANNERS
HOWARD NEEDLES TAMMEN & BERGENDOFF
THE WILTERN CENTER
WILSHIRE BLVD AT OXFORD
665 SO. OXFORD AVENUE
LOS ANGELES, CA 90005
213-386-7070

STRUCTURAL ENGINEERS
BRANDOW & JOHNSTON ASSOCIATES
1660 WEST THIRD STREET
LOS ANGELES, CA 90017
(213) 484-6950

ELECTRICAL ENGINEERS
CALPEC engineering
280 SOUTH LOS ROBLES
PASADENA, CA 91101
(818) 792-6658

MECHANICAL ENGINEERS
HNTB
THE WILTERN CENTER
WILSHIRE BLVD AT OXFORD
665 SO. OXFORD AVENUE
LOS ANGELES, CA 90005
(213) 386-7070

LONG BEACH VETERANS STADIUM
PHYSICAL EDUCATION FACILITY

D
C A
B

SCALE:
PROJECT NO.: 13213
DATE: 5/24/11
DRAWN BY: RJ
CHECKED BY: IHSAN
REVISIONS:
△

MECHANICAL DEMOLITION PLAN

MP-2

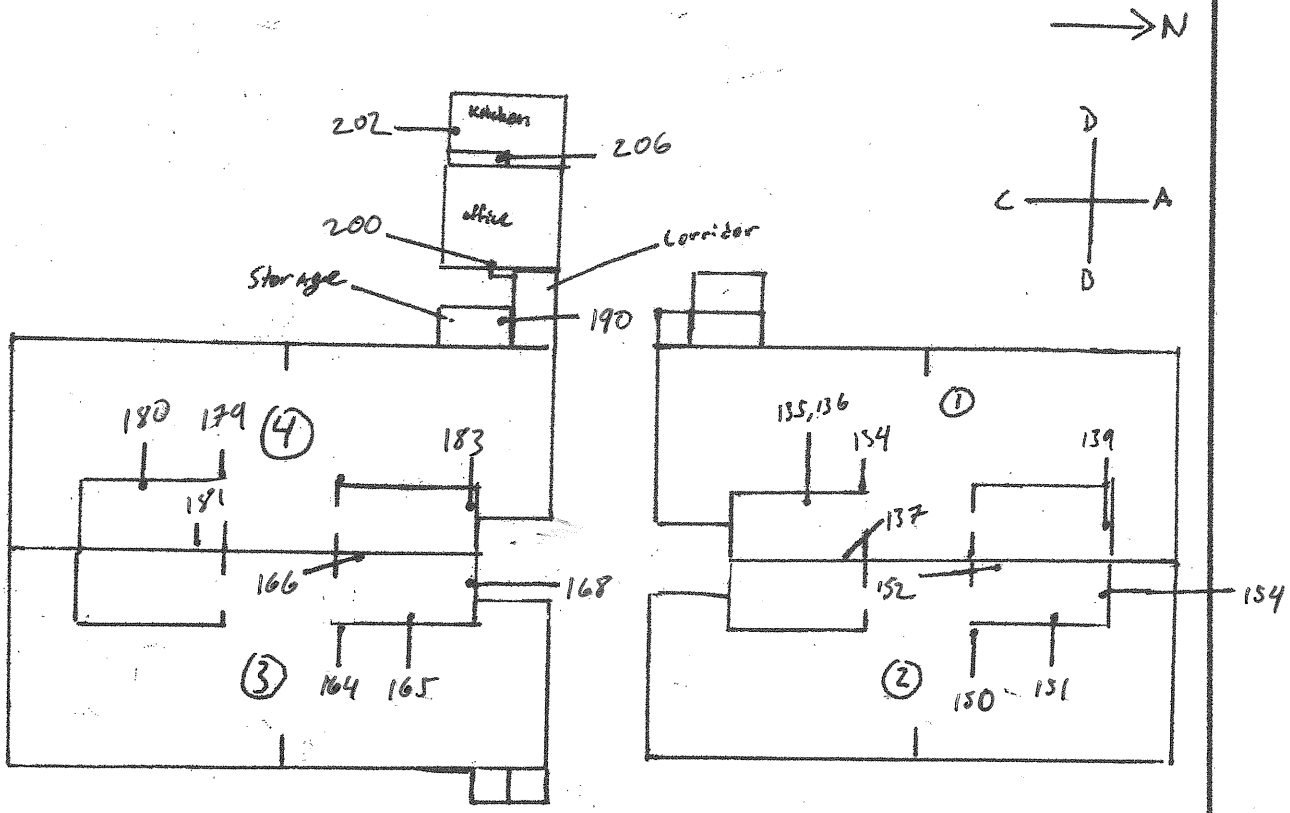
Ninyo & Moore

Project Name LBCC Veterans Stadium
Project Number 210402004
Calculated By DHP Date 11-18-21
Checked By ____ Date ____
Scale NTS Sheet ____ of ____

Stadium Locker Rooms

Legend:

#- Positive Lead XRF Readings

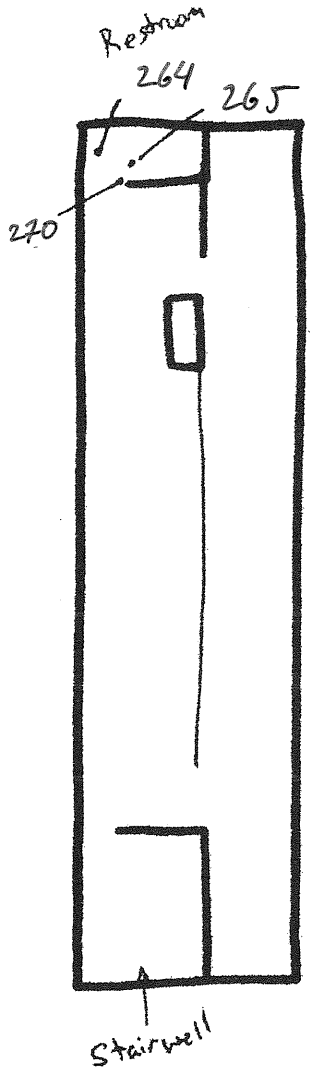


Stadium Press Box

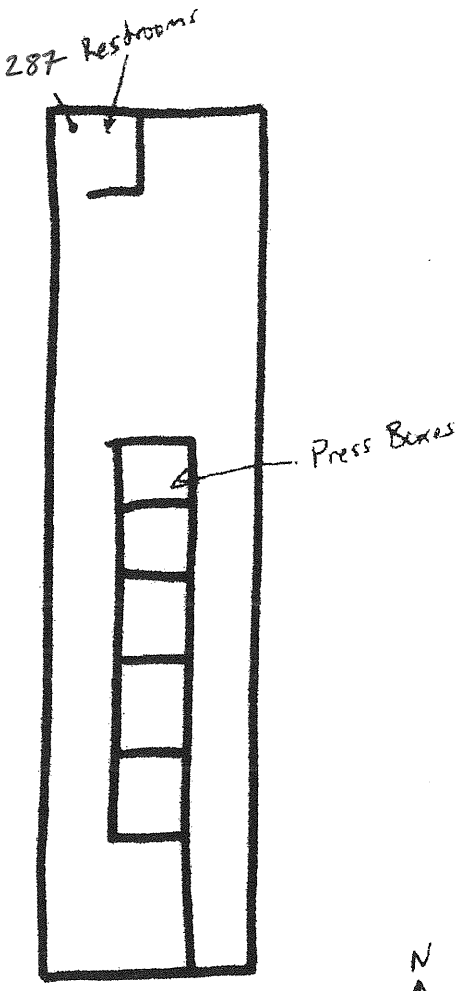
Ninyo & Moore

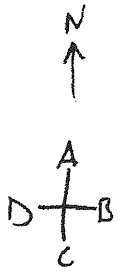
Project Name: LBCC Veterans Stadium
Project Number: 210407009
Calculated By: DAP
Date: 11-18-21
Checked By:
Date:
Scale: NTS
Sheet: 1 of 1

1st Floor



2nd Floor





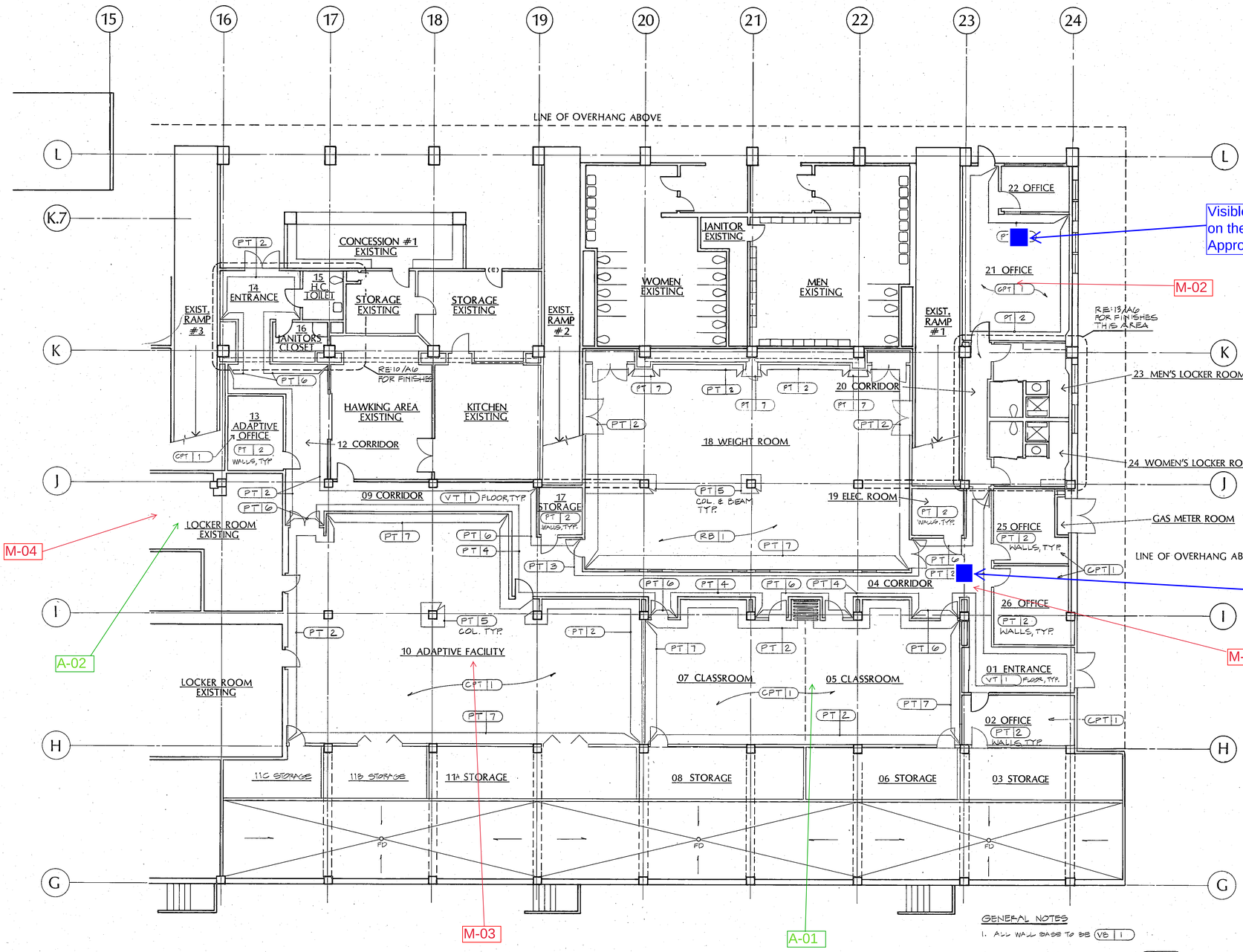
Legend:

#- Positive Lead XRF Reading

Mold/Moisture Field Drawing

Project Name: LBCC Veterans Stadium
Project No. 210407004
Prepared by: DMK
Reviewed by: DMK
Date: 11/23/2021

M-12



Legend:
M-# Mold air sample location
A-# Allergen dust sample location
-Water staining/damage location

GENERAL NOTES
1. ALL WALL BASE TO BE VB | 1
2. ALL DOORS AND FRAMES TO BE PAINTED PT | 3
3. REFER TO A3 FOR WALL LOCATIONS AND DIMENSIONS.

FINISH FLOOR PLAN | 1/8":1'-0"

HNTB
ARCHITECTS ENGINEERS PLANNERS
HOWARD NEEDLES TAMMEN & BERGENDOFF
THE WILTERN CENTER
WILSHIRE BLVD. AT OXFORD
685 SO. OXFORD AVENUE
LOS ANGELES, CA 90005
213-386-7070

STRUCTURAL ENGINEERS
BRANDOW & JOHNSTON ASSOCIATES
1660 WEST THIRD STREET
LOS ANGELES, CA 90017
(213) 484-8850

ELECTRICAL ENGINEERS
CALPEC engineering
260 SOUTH LOS ROBLES
PASADENA, CA 91101
(818) 792-6858

MECHANICAL ENGINEERS
HNTB
THE WILTERN CENTER
WILSHIRE BLVD. AT OXFORD
685 SO. OXFORD AVENUE
LOS ANGELES, CA 90005
(213) 386-7070

LONG BEACH VETERANS STADIUM
PHYSICAL EDUCATION FACILITY

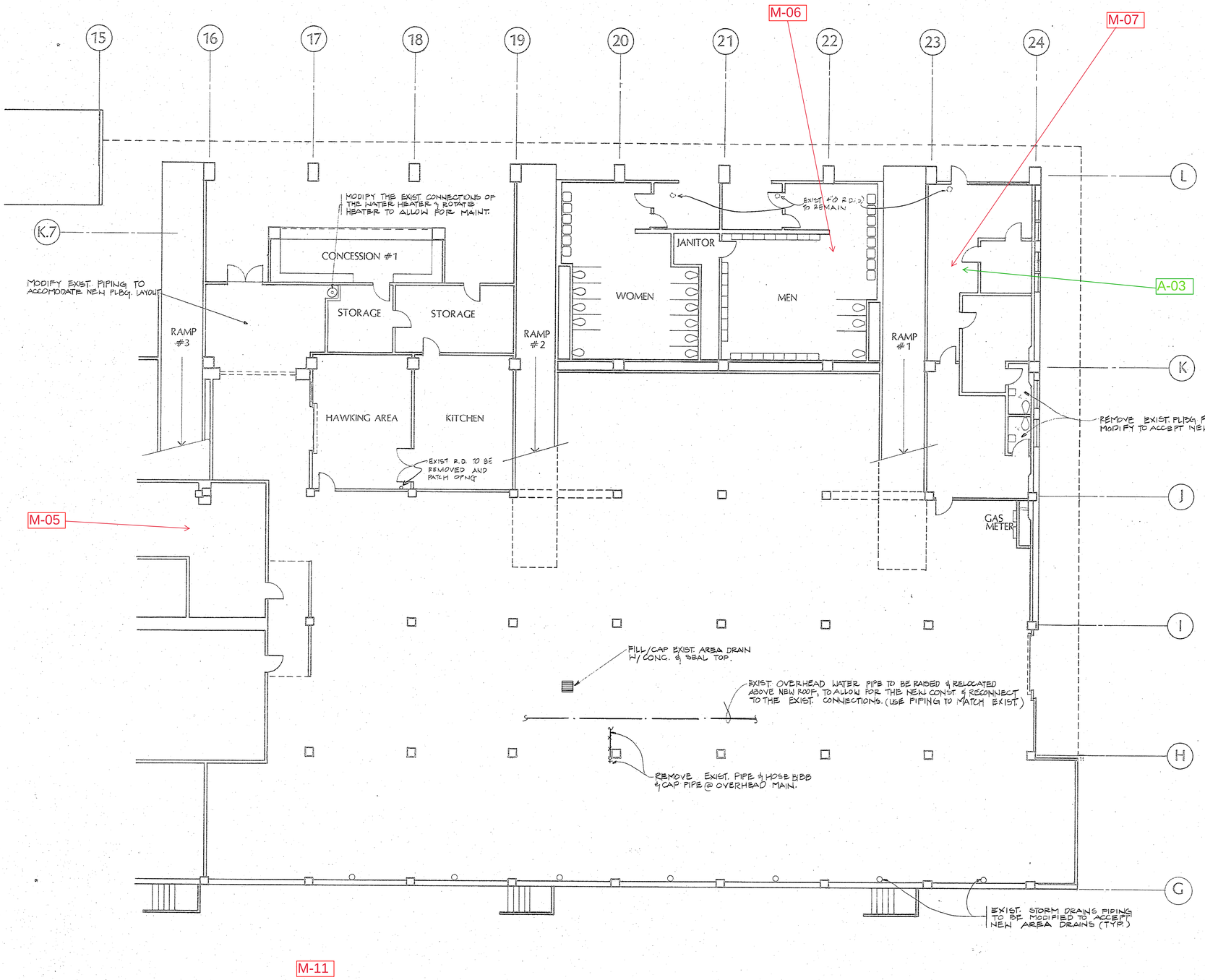
06-BW/CA

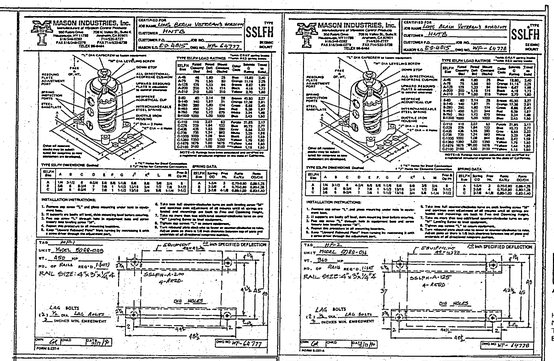
SCALE: 1/8" - 1'-0"
PROJECT NO: 13213
DATE: 5-24-90
DRAWN BY:
CHECKED BY:
REVISIONS:

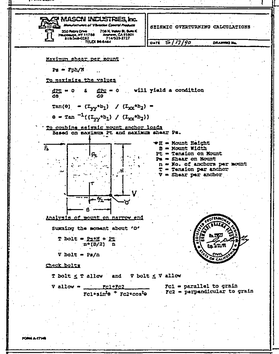
FINISH FLOOR PLAN

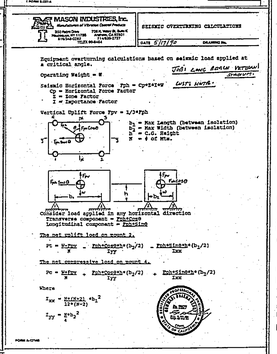
A9

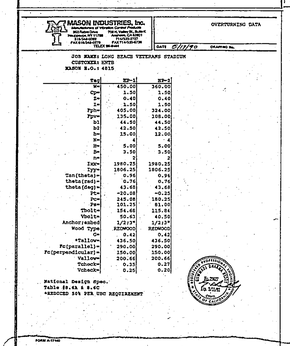
Project Name: LBCC Veterans Stadium
Project No. 210407004
Prepared by: DMK
Reviewed by: DMK
Date: 11/23/2021











VIBRATION ISOLATOR CALCULATIONS | 2

Legend:
M-# Mold air sample location
A-# Allergen dust sample location

DEMOLITION PLAN | 1/8": 1'-0" | 1

HNTB
ARCHITECTS ENGINEERS PLANNERS

HOWARD NEEDLES TAMMEN & BERGENDOFF

THE WILTERN CENTER
WILSHIRE BLVD AT OXFORD
865 SO. OXFORD AVENUE
LOS ANGELES, CA 90005

213-386-7070

STRUCTURAL ENGINEERS
BRANDOW & JOHNSTON ASSOCIATES
1660 WEST THIRD STREET
LOS ANGELES, CA 90017
(213) 484-6950

ELECTRICAL ENGINEERS
CALPEC engineering
280 SOUTH LOS ROBLES
PASADENA, CA 91101
(818) 792-6658

MECHANICAL ENGINEERS
HNTB
THE WILTERN CENTER
WILSHIRE BLVD AT OXFORD
685 SO. OXFORD AVENUE
LOS ANGELES, CA 90005
(213) 386-7070

LONG BEACH VETERANS STADIUM
PHYSICAL EDUCATION FACILITY

SCALE:
PROJECT NO.: 13213
DATE: 5/04/12
DRAWN BY: SJ
CHECKED BY: IHSAN
REVISIONS:
△

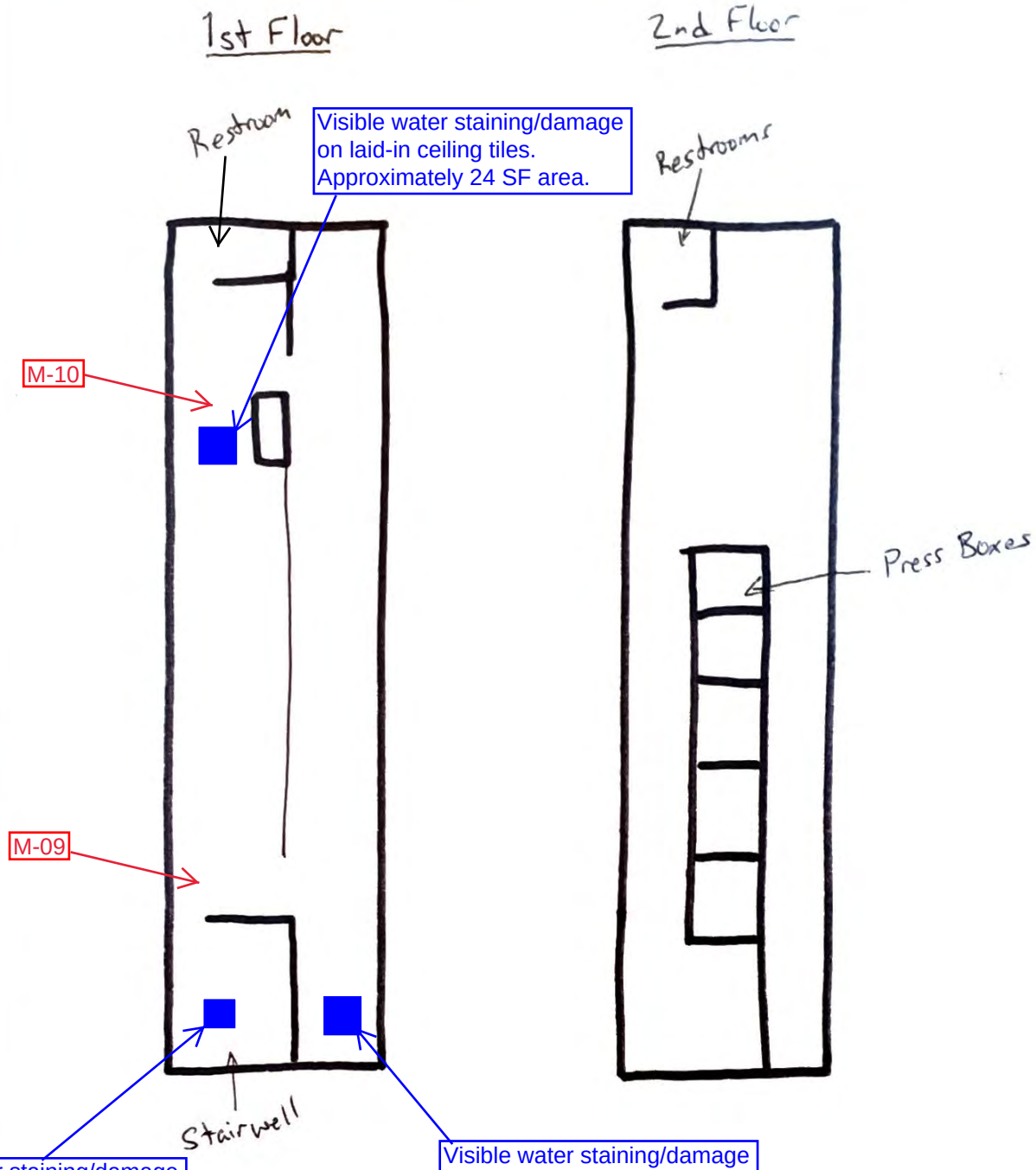
MECHANICAL DEMOLITION PLAN

MP-2

Stadium Press Box

Ninyo & Moore

Project Name LBCC Veterans Stadium
Project Number 210407004
Calculated By DMK Date 11/23/2021
Checked By DMK Date
Scale NTS Sheet of



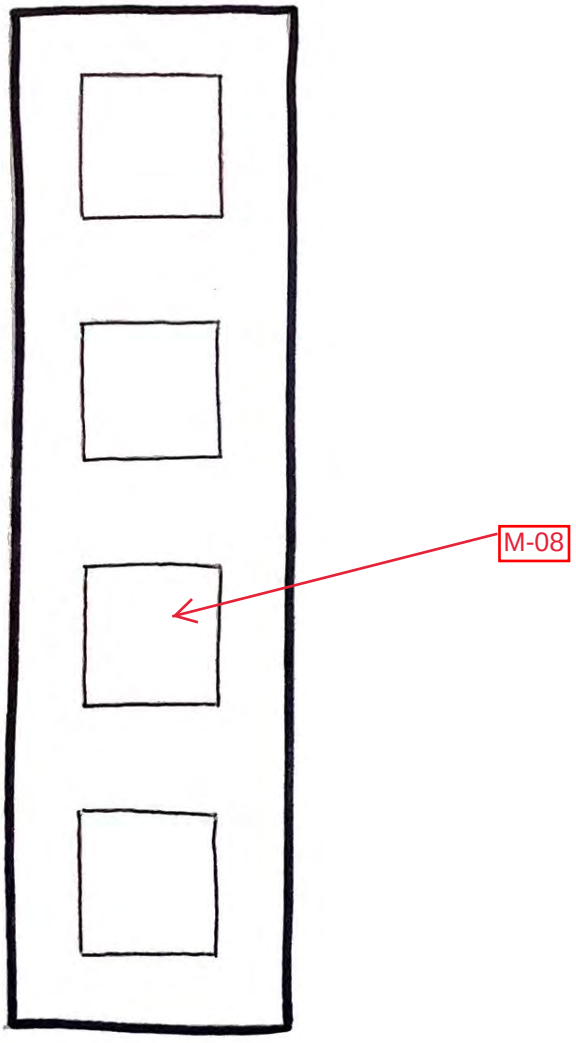
Legend:
M-# Mold air sample location
A-# Allergen dust sample location
■ -Water staining/damage location

N

Ninyo & Moore

Project Name LBCC Veterans Stadium
Project Number 210407004
Calculated By DMK Date 11/23/21
Checked By DMK Date
Scale NTS Sheet of

Ticket Booths



Legend:
M-# Mold air sample location
A-# Allergen dust sample location

N

APPENDIX G

XRF Readings Summary

XRF Readings Summary

Reading No.	Room	Floor	Side	Component	Substrate	Condition	Color	Action Level (mg/cm²)	Results	Approximate Quantity	Lead Reading (mg/cm²)
1	Start			Standard Calibration Check 1.04 +/- 0.06 mg/cm²				0.7	Positive	N/A	1.0
2				Standard Calibration Check 1.04 +/- 0.06 mg/cm²				0.7	Positive	N/A	1.0
3				Standard Calibration Check 1.04 +/- 0.06 mg/cm²				0.7	Positive	N/A	1.1
				Veterans Stadium (Building S)							
4	Stadium Office	1	A	Door	Wood	Intact	Beige	0.7	Negative	N/A	0.0
5	Stadium Office	1	A	Door Casing	Metal	Intact	Beige	0.7	Negative	N/A	0.14
6	Stadium Office	1	B	Wall	Concrete	Fair	Off-white	0.7	Negative	N/A	0.07
7	Stadium Office	1	B	Pipe	Metal	Intact	Off-white	0.7	Negative	N/A	0.0
8	Stadium Office	1	B	4" Cove base	Vinyl	Intact	Dark Brown	0.7	Negative	N/A	0.0
9	Stadium Office	1	A	Window frame	Metal	Poor	Off-white	0.7	Negative	N/A	0.0
10	Stadium Office	1	B	Ceiling	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
11	Stadium Office	1	C	Window frame	Metal	Intact	Gray	0.7	Negative	N/A	0.0
12	Stadium Office	1	C	Sink	Porcelain	Intact	White	0.7	Negative	N/A	0.0
13	Stadium Office	1	C	Toilet	Porcelain	Intact	White	0.7	Negative	N/A	0.0
14	Stadium Office	1	B	Wall	Concrete	Intact	Light Blue	0.7	Negative	N/A	0.0
15	S Building Roc	2	C	Wall	Concrete	Intac	Light Gray	0.7	Negative	N/A	0.0
16	05/07 Classroom	1	A	Wall	Drywall	Intact	Red	0.7	Negative	N/A	0.0
17	05/07 Classroom	1	B	Wall	Drywall	Intact	Black	0.7	Negative	N/A	0.0
18	05/07 Classroom	1	D	Wall	Drywall	Intact	Off-white	0.7	Negative	N/A	0.0
19	05/07 Classroom	1	A	Ceiling	Drywall	Intact	Off-white	0.7	Negative	N/A	0.0
20	05/07 Classroom	1	C	Metal Beam	Concrete	Intact	Red	0.7	Negative	N/A	0.0
21	05/07 Classroom	1	D	Door	Metal	Intact	Light Gray	0.7	Negative	N/A	0.0
22	05/07 Classroom	1	D	Door Casing	Metal	Intact	Light Gray	0.7	Negative	N/A	0.0
23	Weight room	1	B	Window frame	Wood	Intact	Black	0.7	Negative	N/A	0.0
24	Weight room	1	B	Wall	Drywall	Intact	Off-white	0.7	Negative	N/A	0.0
25	Weight room	1	B	Wall	Drywall	Intact	Black	0.7	Negative	N/A	0.0
26	Weight room	1	A	Pillar	Concrete	Intact	Black	0.7	Negative	N/A	0.0
27	Weight room	1	C	Pillar	Concrete	Intact	Red	0.7	Negative	N/A	0.0
28	Weight room	1	A	Floor plank	Vinyl	Intact	Gray	0.7	Negative	N/A	0.0
29	Weight room	1	A	Wall	Drywall	Intact	Beige	0.7	Negative	N/A	0.0
30	Weight room	1	C	Weight equipment	Metal	Intact	Red	0.7	Negative	N/A	0.0
31	Weight room	1	D	Vertical Beam	Metal	Intact	Red	0.7	Negative	N/A	0.0
32	Corridor	1	B	4" Cove base	Vinyl	Intact	Black	0.7	Negative	N/A	0.0
33	Corridor	1	B	Wall	Drywall	Intact	Light gray	0.7	Negative	N/A	0.0
34	Corridor	1	B	Wall	Drywall	Intact	Gray	0.7	Negative	N/A	0.0
35	Corridor	1	D	Door	Metal	Intact	Off-white	0.7	Negative	N/A	0.0
36	Corridor	1	D	Door Casing	Metal	Intact	Off-white	0.7	Negative	N/A	0.0
37	Corridor	1	D	Window frame	Wood	Intact	Gray	0.7	Negative	N/A	0.0
38	Corridor	1	D	Ceiling	Drywall	Intact	White	0.7	Negative	N/A	0.0
39	Women's locker room	1	D	Sink	Porcelain	Intact	White	0.7	Negative	N/A	0.0
40	Women's locker room	1	D	Toilet	Porcelain	Intact	White	0.7	Negative	N/A	0.0
41	Women's locker room	1	A	4" x 4" cove base	Ceramic	Intact	Gray	0.7	Positive	200 SF	9.4
42	Women's locker room	1	B	4" x 4" wall tile	Ceramic	Intact	Red	0.7	Positive	26 SF	8.2
43	Women's locker room	1	D	4" x 4" wall tile	Ceramic	Intact	Light Gray	0.7	Positive	50 SF	7.8
44	Women's locker room	1	A	2" x 2" floor tile	Ceramic	Intact	Dark Gray	0.7	Negative	N/A	0.0
45	Women's locker room	1	A	2" x 2" floor tile	Ceramic	Intact	Light Gray	0.7	Negative	N/A	0.0
46	Women's locker room	1	A	Lockers	Wood	Intac	Red	0.7	Negative	N/A	0.27
47	Women's locker room	1	C	Door Frame	Wood	Intact	Off-white	0.7	Negative	N/A	0.0
48	Women's locker room	1	D	Door	Metal	Intact	Off-white	0.7	Negative	N/A	0.0
49	Men's Locker room	1	D	Sink	Porcelain	Intact	White	0.7	Negative	N/A	0.0
50	Men's Locker room	1	D	Toilet	Porcelain	Intact	White	0.7	Negative	N/A	0.0
51	Men's Locker room	1	A	4" x 4" cove base	Ceramic	Intact	Gray	0.7	Positive	200 SF	9.4
52	Men's Locker room	1	B	4" x 4" wall tile	Ceramic	Intact	Red	0.7	Positive	26 SF	8.2
53	Men's Locker room	1	D	4" x 4" wall tile	Ceramic	Intact	Light gray	0.7	Positive	50 SF	7.8
54	Men's Locker room	1	A	2" x 2" floor tile	Ceramic	Intact	Dark Gray	0.7	Negative	N/A	0.0
55	Men's Locker room	1	A	2" x 2" floor tile	Ceramic	Intact	Light Gray	0.7	Negative	N/A	0.0
56	Men's Locker room	1	A	Lockers	Wood	Intact	Red	0.7	Negative	N/A	0.27
57	Men's Locker room	1	C	Door Frame	Wood	Intact	Off-white	0.7	Negative	N/A	0.0
58	Men's Locker room	1	D	Door	Metal	Intact	Off-white	0.7	Negative	N/A	0.0
59	02 Office	1	A	Wall	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
60	02 Office	1	D	4" Cove base	Vinyl	Intact	Black	0.7	Negative	N/A	0.0
61	02 Office	1	D	Door	Metal	Intact	Gray	0.7	Negative	N/A	0.0
62	02 Office	1	D	Door Frame	Metal	Intact	Gray	0.7	Negative	N/A	0.0

XRF Readings Summary

Reading No.	Room	Floor	Side	Component	Substrate	Condition	Color	Action Level (mg/cm^2)	Results	Approximate Quantity	Lead Reading (mg/cm^2)
63	26 Office	1	A	Wall	Concrete	Intact	Red	0.7	Negative	N/A	0.0
64	26 Office	1	B	Wall	Drywall	Intact	Off-white	0.7	Negative	N/A	0.0
65	26 Office	1	C	Door	Metal	Intact	Gray	0.7	Negative	N/A	0.0
66	26 Office	1	C	Door Casing	Metal	Intact	Gray	0.7	Negative	N/A	0.0
67	26 Office	1	B	4" Cove base	Viny	Intac	Black	0.7	Negative	N/A	0.0
68	25 Office	1	A	Wall	Concrete	Intac	Red	0.7	Negative	N/A	0.0
69	25 Office	1	B	Wall	Drywall	Intact	Off-white	0.7	Negative	N/A	0.0
70	25 Office	1	C	Door	Metal	Intact	Gray	0.7	Negative	N/A	0.0
71	25 Office	1	C	Door Casing	Metal	Intact	Gray	0.7	Negative	N/A	0.0
72	25 Office	1	B	4" Cove base	Vinyl	Intact	Black	0.7	Negative	N/A	0.0
73	21 Office	1	B	Wall	Drywall	Intact	Off-white	0.7	Negative	N/A	0.0
74	21 Office	1	D	Wall	Drywall	Intact	Red	0.7	Negative	N/A	0.0
75	21 Office	1	B	Door Casing	Metal	Intact	Black	0.7	Negative	N/A	0.0
76	21 Office	1	B	Door	Metal	Intact	Red	0.7	Negative	N/A	0.0
77	21 Office	1	D	Window frame	Wood	Intact	Red	0.7	Negative	N/A	0.0
78	21 Office	1	D	Pipe	Metal	Intact	Off-white	0.7	Negative	N/A	0.0
79	22 Office	1	D	Wall	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
80	22 Office	1	D	Shelf	Wood	Intact	Black	0.7	Negative	N/A	0.0
81	22 Office	1	C	Door Casing	Metal	Intact	Black	0.7	Negative	N/A	0.0
82	22 Office	1	B	Window frame	Wood	Intact	Black	0.7	Negative	N/A	0.0
83	22 Office	1	C	Door	Metal	Intact	Red	0.7	Negative	N/A	0.0
84	Hawking Area	1	B	Floor coating	Concrete	Intact	Beige	0.7	Negative	N/A	0.0
85	Hawking Area	1	D	4" Cove base	Vinyl	Intact	Black	0.7	Negative	N/A	0.0
86	Hawking Area	1	C	Roll-up gate	Metal	Intact	Olive	0.7	Negative	N/A	0.03
87	Hawking Area	1	C	Roll-up gate frame	Metal	Intact	Gray	0.7	Negative	N/A	0.14
88	Hawking Area	1	B	Door	Metal	Intact	Gray	0.7	Negative	N/A	0.0
89	Hawking Area	1	B	Door frame	Metal	Intact	Gray	0.7	Negative	N/A	0.0
90	Hawking Area	1	C	Wall	Drywall	Intact	Light gray	0.7	Negative	N/A	0.0
91	Hawking Area	1	B	Ceiling	Wood	Intact	Off-white	0.7	Negative	N/A	0.0
92	Kitchen	1	C	Door Casing	Metal	Intact	Beige	0.7	Negative	N/A	0.0
93	Kitchen	1	C	Door	Metal	Intact	Beige	0.7	Negative	N/A	0.0
94	Kitchen	1	D	Wall	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
95	Kitchen	1	A	Ceiling	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
96	Kitchen	1	A	4" Cove base	Vinyl	Intact	Black	0.7	Negative	N/A	0.0
97	Kitchen	1	D	Door	Wood	Intact	Off-white	0.7	Negative	N/A	0.0
98	Kitchen	1	D	Door Frame	Wood	Intact	Off-white	0.7	Negative	N/A	0.0
99	Kitchen Storage 1	1	D	Wall	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
100	Kitchen Storage 1	1	C	Ceiling	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
101	Kitchen Storage 2	1	D	Wall	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
102	Kitchen Storage 2	1	C	Wall	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
103	Kitchen Storage 2	1	C	Ceiling	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
104	Concession stand	1	D	Wall	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
105	Concession stand	1	C	Ceiling	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
106	Concession stand	1	D	Roll up door	Metal	Intact	Gray	0.7	Negative	N/A	0.0
107	Concession stand	1	A	Roll up gate frame	Metal	Intact	Gray	0.7	Negative	N/A	0.0
108	Adaptive facility	1	B	Wall	Concrete	Intact	Light blue	0.7	Negative	N/A	0.0
109	Adaptive facility	1	C	Pillar	Concrete	Intact	Light blue	0.7	Negative	N/A	0.0
110	Adaptive facility	1	A	Door Frame	Wood	Intact	Gray	0.7	Negative	N/A	0.0
111	Adaptive facility	1	B	Door	Concrete	Intact	Gray	0.7	Negative	N/A	0.0
112	Adaptive facility	1	A	Sky light	Concrete	Intact	Light blue	0.7	Negative	N/A	0.0
113	Adaptive facility	1	C	Sink	Porcelain	Intact	White	0.7	Positive	1 EA	3.2
114	Adaptive office	1	D	Wall	Drywall	Intact	Off-white	0.7	Negative	N/A	0.0
115	Adaptive office	1	B	Door Frame	Metal	Intact	Gray	0.7	Negative	N/A	0.0
116	Adaptive office	1	B	Door	Metal	Intact	Gray	0.7	Negative	N/A	0.0
117	Adaptive office	1	B	4" Cove base	Metal	Intact	Black	0.7	Negative	N/A	0.0
118	Janitor's closet	1	A	Deep Sink	Metal	Intact	White	0.7	Positive	1 EA	8.6
119	Janitor's closet	1	D	Wall	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
120	Janitor's closet	1	D	Door Casing	Metal	Intact	Gray	0.7	Negative	N/A	0.0
121	Janitor's closet	1	D	Door	Metal	Intact	Gray	0.7	Negative	N/A	0.0
122	14 Entrance	1	D	Door Casing	Metal	Intact	Gray	0.7	Negative	N/A	0.0
123	14 Entrance	1	D	Door	Metal	Intact	Gray	0.7	Negative	N/A	0.0
124	14 Entrance	1	D	4" Cove base	Vinyl	Intact	Black	0.7	Negative	N/A	0.0
125	14 Entrance	1	D	Conduit pipe	Metal	Intact	Light gray	0.7	Negative	N/A	0.0
126	14 Entrance	1	D	Ceiling	Concrete	Intact	White	0.7	Negative	N/A	0.0
127	Exterior	1	D	Wall	Concrete	Intact	Blue	0.7	Negative	N/A	0.0

XRF Readings Summary

Reading No.	Room	Floor	Side	Component	Substrate	Condition	Color	Action Level (mg/cm^2)	Results	Approximate Quantity	Lead Reading (mg/cm^2)
128	Exterior	1	D	Wall	Concrete	Intact	White	0.7	Negative	N/A	0.0
129	Exterior	1	D	Wall	Concrete	Intact	Red	0.7	Negative	N/A	0.0
130	Exterior	1	D	Ceiling	Concrete	Intact	Gray	0.7	Negative	N/A	0.0
131	Locker Rooms 01	1	A	Wall	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
132	Locker Rooms 01	1	C	Wall	Concrete	Intact	Black	0.7	Negative	N/A	0.0
133	Locker Rooms 01	1	C	Wall	Concrete	Intact	Red	0.7	Negative	N/A	0.0
134	Locker Rooms 01	1	C	Floor	Concrete	Intact	Black	0.7	Negative	N/A	0.0
135	Locker Rooms 01	1	B	Lockers	Metal	Intact	Red	0.7	Negative	N/A	0.0
136	Locker Rooms 01	1	B	Drinking fountain	Porcelain	Intact	White	0.7	Positive	1 EA	7.0
137	Locker Rooms 01	1	D	Sink	Porcelain	Intact	White	0.7	Positive	4 EA	6.8
138	Locker Rooms 01	1	B	Sink	Porcelain	Intact	White	0.7	Positive	Same as above	3.0
139	Locker Rooms 01	1	B	Urinal	Porcelain	Intact	White	0.7	Positive	4 EA	3.4
140	Locker Rooms 01	1	B	Toilet	Porcelain	Intact	White	0.7	Negative	N/A	0.0
141	Locker Rooms 01	1	A	4"x 4" Wall & floor tile	Ceramic	Intact	Green	0.7	Positive	1200 SF	8.8
142	Locker Rooms 01	1	D	Door Casing	Metal	Intact	Black	0.7	Negative	N/A	0.0
143	Locker Rooms 01	1	D	Door	Metal	Intact	Red	0.7	Negative	N/A	0.0
144	Locker Rooms 01	1	D	Window grate	Metal	Intact	Red	0.7	Negative	N/A	0.0
145	Locker Rooms 01	1	C	Ceiling	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
146	Locker Rooms 01	1	B	Rectangular drain screens	Metal	Intact	Gray	0.7	Negative	N/A	0.0
147	Locker Rooms 02	1	A	Wall	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
148	Locker Rooms 02	1	C	Wall	Concrete	Intact	Black	0.7	Negative	N/A	0.0
149	Locker Rooms 02	1	C	Wall	Concrete	Intact	Red	0.7	Negative	N/A	0.0
150	Locker Rooms 02	1	C	Concrete pad	Concrete	Intact	Black	0.7	Negative	N/A	0.0
151	Locker Rooms 02	1	B	Lockers	Metal	Intact	Red	0.7	Negative	N/A	0.0
152	Locker Rooms 02	1	D	Drinking fountain	Porcelain	Intact	White	0.7	Positive	1 EA	7.0
153	Locker Rooms 02	1	B	Sink	Porcelain	Intact	White	0.7	Positive	4 EA	6.8
154	Locker Rooms 02	1	D	Urinal	Porcelain	Intact	White	0.7	Positive	4 EA	3.4
155	Locker Rooms 02	1	D	Toilet	Porcelain	Intact	White	0.7	Negative	N/A	0.0
156	Locker Rooms 02	1	A	4"x 4" Wall & floor tile	Ceramic	Intact	Green	0.7	Positive	1200 SF	8.8
157	Locker Rooms 02	1	D	Door Casing	Metal	Intact	Black	0.7	Negative	N/A	0.0
158	Locker Rooms 02	1	D	Door	Metal	Intact	Red	0.7	Negative	N/A	0.0
159	Locker Rooms 02	1	B	Rectangular drain covers	Metal	Intact	Gray	0.7	Negative	N/A	0.0
160	Locker Rooms 03	1	C	Ceiling	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
161	Locker Rooms 03	1	A	Wall	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
162	Locker Rooms 03	1	C	Wall	Concrete	Intact	Black	0.7	Negative	N/A	0.0
163	Locker Rooms 03	1	C	Wall	Concrete	Intact	Red	0.7	Negative	N/A	0.0
164	Locker Rooms 03	1	C	Floor	Concrete	Intact	Black	0.7	Negative	N/A	0.0
165	Locker Rooms 03	1	B	Lockers	Metal	Intact	Red	0.7	Negative	N/A	0.0
166	Locker Rooms 03	1	D	Drinking fountain	Porcelain	Intact	White	0.7	Positive	1 EA	6.1
167	Locker Rooms 03	1	B	Sink	Porcelain	Intact	White	0.7	Positive	4 EA	5.8
168	Locker Rooms 03	1	D	Urinal	Porcelain	Intact	White	0.7	Positive	4 EA	3.6
169	Locker Rooms 03	1	D	Toilet	Porcelain	Intact	White	0.7	Negative	N/A	0.0
170	Locker Rooms 03	1	A	4"x 4" Wall tile 2"x2" floor tile	Ceramic	Intact	Yellow Brown	0.7	Positive	1200 SF	9.1
171	Locker Rooms 03	1	D	Door Casing	Metal	Intact	White	0.7	Negative	N/A	0.0
172	Locker Rooms 03	1	D	Door	Metal	Intact	White	0.7	Negative	N/A	0.0
173	Locker Rooms 03	1	C	Window frame	Wood	Intact	White	0.7	Negative	N/A	0.0
174	Locker Rooms 03	1	B	Rectangular drain covers	Metal	Intact	Gray	0.7	Negative	N/A	0.0
175	Locker Rooms 04	1	C	Ceiling	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
176	Locker Rooms 04	1	A	Wall	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
177	Locker Rooms 04	1	C	Wall	Concrete	Intact	Black	0.7	Negative	N/A	0.0
178	Locker Rooms 04	1	C	Wall	Concrete	Intact	Red	0.7	Negative	N/A	0.0
179	Locker Rooms 04	1	C	Floor	Concrete	Intact	Black	0.7	Negative	N/A	0.0
180	Locker Rooms 04	1	B	Lockers	Metal	Intact	Red	0.7	Negative	N/A	0.0
181	Locker Rooms 04	1	B	Drinking fountain	Porcelain	Intact	White	0.7	Positive	1 EA	9.0
182	Locker Rooms 04	1	D	Sink	Porcelain	Intact	White	0.7	Positive	4 EA	5.5
183	Locker Rooms 04	1	B	Urinal	Porcelain	Intact	White	0.7	Positive	4 EA	3.4
184	Locker Rooms 04	1	B	Toilet	Porcelain	Intact	White	0.7	Negative	N/A	0.0
185	Locker Rooms 04	1	A	4"x 4" Wall tile 2"x2" floor tile	Ceramic	Intact	Yellow Brown	0.7	Positive	1200 SF	7.8
186	Locker Rooms 04	1	B	Door Casing	Metal	Intact	White	0.7	Negative	N/A	0.0

XRF Readings Summary

Reading No.	Room	Floor	Side	Component	Substrate	Condition	Color	Action Level (mg/cm²)	Results	Approximate Quantity	Lead Reading (mg/cm²)
187	Locker Rooms 04	1	B	Door	Metal	Intact	White	0.7	Negative	N/A	0.0
188	Locker Rooms 04	1	C	Window frame	Wood	Intact	White	0.7	Negative	N/A	0.0
189	Locker Rooms 04	1	B	Rectangular drain covers	Metal	Intact	Gray	0.7	Negative	N/A	0.0
190	Locker Rooms 04 Storage	1	D	Ceiling	Concrete	Fair	Off-white	0.7	Negative	N/A	0.0
191	Locker Rooms 04 Storage	1	B	Wall	Concrete	Fair	Off-white	0.7	Negative	N/A	0.0
192	Locker Rooms 04 Storage	1	B	Deep Sink	Metal	Intact	White	0.7	Positive	1 EA	2.1
193	Corridor	1	B	Wall	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
194	Corridor	1	A	Door Casing	Metal	Intact	Off-white	0.7	Negative	N/A	0.0
195	Corridor	1	A	Door	Wood	Intact	Off-white	0.7	Negative	N/A	0.0
196	Corridor	1	C	Ceiling	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
197	Office	1	B	Wall	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
198	Office	1	C	Door Casing	Metal	Intact	Off-white	0.7	Negative	N/A	0.0
199	Office	1	C	Door	Wood	Intact	Off-white	0.7	Negative	N/A	0.0
200	Office	1	A	Ceiling	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
201	Office	1	A	4" Cove base	Vinyl	Intact	Black	0.7	Negative	N/A	0.0
202	Office	1	C	4"x 4" Wall tile & floor tile	Ceramic	Intact	Green	0.7	Positive	22 SF	8.1
203	Office	1	A	Lockers	Metal	Intact	Gray	0.7	Negative	N/A	0.0
204	Kitchen	1	C	Sink	Porcelain	Intact	White	0.7	Positive	1 EA	3.2
205	Kitchen	1	A	12" floor tile	Ceramic	Intact	Off-white	0.7	Negative	N/A	0.0
206	Kitchen	1	C	Wall	Drywall	Intact	Off-white	0.7	Negative	N/A	0.0
207	Kitchen	1	C	Shelf	Wood	Intact	White	0.7	Negative	N/A	0.0
208	Kitchen	1	B	4"x 4" Wall & floor tile	Ceramic	Intact	Green	0.7	Positive	22 SF	4.9
209	Kitchen	1	A	4" Cove base	Vinyl	Intact	Black	0.7	Negative	N/A	0.0
210	Kitchen	1	C	Ceiling	Drywall	Intact	Off-white	0.7	Negative	N/A	0.0
211	Exterior	1	D	Wall	Concrete	Intact	Green	0.7	Negative	N/A	0.0
212	Men's Restroom North	1	A	Sink	Porcelain	Intact	White	0.7	Positive	8 EA	6.1
213	Men's Restroom North	1	B	Urinal	Porcelain	Intact	White	0.7	Negative	N/A	0.0
214	Men's Restroom North	1	B	Toilet	Porcelain	Intact	White	0.7	Negative	N/A	0.0
215	Men's Restroom North	1	A	4"x 4" Wall tile	Ceramic	Intact	Green	0.7	Positive	640 SF	5.6
216	Men's Restroom North	1	D	Wall	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
217	Men's Restroom North	1	A	Ceiling	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
218	Men's Restroom North	1	D	Round Drain Screen	Metal	Intact	Bronze	0.7	Positive	1 EA	6.2
219	Janitor's Closet North	1	B	Deep Sink	Metal	Intact	White	0.7	Positive	1 EA	5.0
220	Women's Restroom North	1	C	Sink	Porcelain	Intact	White	0.7	Positive	5 EA	5.2
221	Women's Restroom North	1	B	Toilet	Porcelain	Intact	White	0.7	Negative	N/A	0.0
222	Women's Restroom North	1	A	4"x 4" Wall tile	Ceramic	Intact	Pink	0.7	Positive	640 SF	6.8
223	Women's Restroom North	1	D	Wall	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
224	Women's Restroom North	1	A	Ceiling	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
225	Women's Restroom North	1	C	Round Drain Screen	Metal	Intact	Bronze	0.7	Positive	1 EA	6.2
226	Men's Restroom Center	1	A	Sink	Porcelain	Intact	White	0.7	Positive	8 EA	6.1
227	Men's Restroom Center	1	B	Urinal	Porcelain	Intact	White	0.7	Negative	N/A	0.0
228	Men's Restroom Center	1	B	Toilet	Porcelain	Intact	White	0.7	Negative	N/A	0.0
229	Men's Restroom Center	1	A	4"x 4" Wall tile	Ceramic	Intact	Yellow	0.7	Positive	640 SF	5.6
230	Men's Restroom Center	1	D	Wall	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
231	Men's Restroom Center	1	A	Ceiling	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
232	Men's Restroom Center	1	A	Round Drain Screen	Metal	Intact	Bronze	0.7	Positive	1 EA	6.2
233	Janitor's Closet Center	1	B	Deep Sink	Metal	Intact	White	0.7	Positive	1 EA	5.0
234	Women's Restroom Center	1	C	Sink	Porcelain	Intact	White	0.7	Positive	5 EA	5.2
235	Women's Restroom Center	1	B	Toilet	Porcelain	Intact	White	0.7	Negative	N/A	0.0
236	Women's Restroom Center	1	A	4"x 4" Wall tile	Ceramic	Intact	Yellow	0.7	Positive	640 SF	6.8
237	Women's Restroom Center	1	D	Wall	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
238	Women's Restroom Center	1	A	Ceiling	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
239	Women's Restroom Center	1	C	Round Drain Screen	Metal	Intact	Bronze	0.7	Positive	1 EA	6.2
240	Men's Restroom South	1	A	Sink	Porcelain	Intact	White	0.7	Positive	8 EA	6.1
241	Men's Restroom South	1	B	Urinal	Porcelain	Intact	White	0.7	Negative	N/A	0.0
242	Men's Restroom South	1	B	Toilet	Porcelain	Intact	White	0.7	Negative	N/A	0.0
243	Men's Restroom South	1	A	4"x 4" Wall tile	Ceramic	Intact	Green	0.7	Positive	640 SF	5.6
244	Men's Restroom South	1	D	Wall	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0

XRF Readings Summary

Reading No.	Room	Floor	Side	Component	Substrate	Condition	Color	Action Level (mg/cm^2)	Results	Approximate Quantity	Lead Reading (mg/cm^2)
245	Men's Restroom South	1	A	Ceiling	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
246	Men's Restroom South	1	A	Round Drain Screen	Metal	Intact	Bronze	0.7	Positive	1 EA	6.2
247	Janitor's Closet South	1	B	Deep Sink	Metal	Intact	White	0.7	Positive	1 EA	5.0
248	Women's Restroom South	1	C	Sink	Porcelain	Intact	White	0.7	Positive	5 EA	5.2
249	Women's Restroom South	1	B	Toilet	Porcelain	Intact	White	0.7	Negative	N/A	0.0
250	Women's Restroom South	1	A	4"x 4" Wall tile	Ceramic	Intact	Pink	0.7	Positive	640 SF	6.8
251	Women's Restroom South	1	D	Wall	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
252	Women's Restroom South	1	A	Ceiling	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
253	Women's Restroom South	1	C	Round Drain Screen	Metal	Intact	Bronze	0.7	Positive	1 EA	6.2
254	Exterior	1	A	Wall	Concrete	Intact	Teal	0.7	Negative	N/A	0.0
255	Press Box 1st Level	3	C	Door	Metal	Intact	Off-white	0.7	Negative	N/A	0.0
256	Press Box 1st Level	3	C	Door Casing	Metal	Intact	Gray	0.7	Negative	N/A	0.0
257	Press Box 1st Level	3	C	Floor coating	Concrete	Intact	Gray	0.7	Negative	N/A	0.0
258	Press Box 1st Level	3	D	Wall	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
259	Press Box 1st Level	3	A	4" Cove base	Vinyl	Intact	Black	0.7	Negative	N/A	0.0
260	Press Box 1st Level	3	D	Column	Metal	Intact	Off-white	0.7	Negative	N/A	0.0
261	Press Box 1st Level	3	C	Floor tile	Vinyl	Intact	Off-white	0.7	Negative	N/A	0.0
262	Press Box 1st Level	3	B	Handrail	Metal	Intact	Blue	0.7	Negative	N/A	0.0
263	Press Box 1st Level	3	B	Stairs	Vinyl	Fair	Gray	0.7	Negative	N/A	0.0
264	Press Box 1st Level	3	D	Wall	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
265	Press Box 1st Level	3	A	4" Cove base	Vinyl	Intact	Black	0.7	Negative	N/A	0.0
266	Press Box 1st Level Men's Restroom	3	D	Sink	Porcelain	Intact	White	0.7	Positive	1 EA	7.1
267	Press Box 1st Level Men's Restroom	3	B	Urinal	Porcelain	Intact	White	0.7	Positive	1 EA	3.2
268	Press Box 1st Level Men's Restroom	3	A	Toilet	Porcelain	Intact	White	0.7	Negative	N/A	0.0
269	Press Box 1st Level Men's Restroom	3	C	Floor tile	Vinyl	Intact	Off-white	0.7	Negative	N/A	0.0
270	Press Box 1st Level Men's Restroom	3	A	4" Cove base	Vinyl	Intact	Black	0.7	Negative	N/A	0.0
271	Press Box 1st Level Men's Restroom	3	C	Door	Wood	Intact	Gray	0.7	Negative	N/A	0.0
272	Press Box 1st Level Men's Restroom	3	B	4"x4" wall tile	Ceramic	Intact	Gray	0.7	Positive	25 SF	4.1
273	Press Box 1st Level Men's Restroom	3	C	Door Casing	Metal	Intact	Gray	0.7	Negative	N/A	0.0
274	Press Box 1st Level Men's Restroom	3	B	Door	Wood	Intact	Black	0.7	Negative	N/A	0.0
275	Press Box 1st Level Men's Restroom	3	A	Stall	Metal	Intact	Off-white	0.7	Negative	N/A	0.0
276	Press Box 1st Level Men's Restroom	3	A	Pipe	Metal	Intact	Off-white	0.7	Negative	N/A	0.0
277	Press Box 2nd Level	4	B	Door	Wood	Intact	Gray	0.7	Negative	N/A	0.0
278	Press Box 2nd Level	4	B	Door Casing	Metal	Intact	Gray	0.7	Negative	N/A	0.0
279	Press Box 2nd Level	4	C	Floor coating	Concrete	Intact	Gray	0.7	Negative	N/A	0.0
280	Press Box 2nd Level	4	D	Wall	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
281	Press Box 2nd Level	4	B	4" Cove base	Vinyl	Intact	Black	0.7	Negative	N/A	0.0
282	Press Box 2nd Level	4	C	Column	Metal	Intact	Off-white	0.7	Negative	N/A	0.0
283	Press Box 2nd Level	4	B	Floor	Concrete	Intact	Yellow	0.7	Negative	N/A	0.0
284	Press Box 2nd Level	4	A	Handrail	Metal	Intact	Off-white	0.7	Negative	N/A	0.0
285	Press Box 2nd Level	4	A	Roof hatch	Metal	Intact	Gray	0.7	Negative	N/A	0.0
286	Press Box Roof	5	A	Handrail	Metal	Intact	Blue	0.7	Negative	N/A	0.0
287	Press Box Roof	5	B	Strut anchors	Metal	Intact	White	0.7	Negative	N/A	0.0
288	Press Box Roof	5	D	Junction Box	Metal	Intact	Gray	0.7	Negative	N/A	0.0
289	Press Box 2nd Level Women's Restroom	4	D	Sink	Porcelain	Intact	White	0.7	Positive	1 EA	7.1
290	Press Box 2nd Level Women's Restroom	4	A	Toilet	Porcelain	Intact	White	0.7	Negative	N/A	0.0

XRF Readings Summary

Reading No.	Room	Floor	Side	Component	Substrate	Condition	Color	Action Level (mg/cm^2)	Results	Approximate Quantity	Lead Reading (mg/cm^2)
291	Press Box 2nd Level Women's Restroom	4	C	Floor tile	Vinyl	Intact	Off-white	0.7	Negative	N/A	0.0
292	Press Box 2nd Level Women's Restroom	4	A	4" Cove base	Vinyl	Intact	Black	0.7	Negative	N/A	0.0
293	Press Box 2nd Level Women's Restroom	4	C	Door	Wood	Intact	Gray	0.7	Negative	N/A	0.0
294	Press Box 2nd Level Women's Restroom	4	C	Door Casing	Metal	Intact	Gray	0.7	Negative	N/A	0.0
295	Press Box 2nd Level Women's Restroom	4	B	Door	Wood	Intact	Black	0.7	Negative	N/A	0.0
296	Press Box 2nd Level Women's Restroom	4	A	Stall	Metal	Intact	Off-white	0.7	Negative	N/A	0.0
297	Press Box 2nd Level Women's Restroom	4	A	Pipe	Metal	Intact	Off-white	0.7	Negative	N/A	0.0
298	Press Box 2nd Level Women's Restroom	4	A	Ceiling	Concrete	Intact	Off-white	0.7	Negative	N/A	0.0
299	Press Box Exterior	4	B	Handrail	Metal	Intact	Red	0.7	Negative	N/A	0.0
				Ticket Booths							
300	Interior	1	A	Walls	Plaster	Intact	Off-white	0.7	Negative	N/A	0.0
301	Interior	1	B	12" floor tile	Vinyl	Intact	Off-white	0.7	Negative	N/A	0.0
302	Interior	1	A	Desk	Wood	Intact	Off-white	0.7	Negative	N/A	0.0
303	Interior	1	A	Window frame	Wood	Intact	Off-white	0.7	Negative	N/A	0.0
304	Interior	1	B	4" Cove base	Vinyl	Intact	Black	0.7	Negative	N/A	0.0
305	Interior	1	A	Collapsible Window eave	Wood	Intact	Red	0.7	Negative	N/A	0.0
306	Interior	1	D	Ceiling	Plaster	Intact	Off-white	0.7	Negative	N/A	0.0
307	Exterior	1	D	Wall	Stucco	Intact	Red	0.7	Negative	N/A	0.0
308	End			Standard Calibration Check 1.04 +/- 0.06 mg/cm^2				0.7	Positive	N/A	1.1
309				Standard Calibration Check 1.04 +/- 0.06 mg/cm^2				0.7	Positive	N/A	1.0
310				Standard Calibration Check 1.04 +/- 0.06 mg/cm^2				0.7	Positive	N/A	1.0

Notes:

mg/cm^2 - milligrams per cubic centimeter

No. - number

N/A - not applicable

XRF - X-Ray fluorescence

" - inch

475 Goddard, Suite 200 | Irvine, California 92618 | p. 949.753.7070

ARIZONA | CALIFORNIA | COLORADO | NEVADA | TEXAS | UTAH

ninyoandmoore.com

Ninyo & Moore

Geotechnical & Environmental Sciences Consultants

APPENDIX B

Consultant Certificates

State of California
Division of Occupational Safety and Health

Certified Site Surveillance Technician

Ivan A Ortega
Name

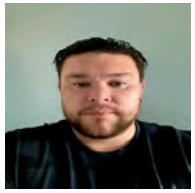
Certification No. **20-6898**

Expires on **11/19/24**

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
DEPARTMENT OF PUBLIC HEALTH

LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
 **Edilberto Quintero**	Lead Sampling Technician	LRC-00000274	4/10/2025

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 Gavin Newsom, Governor

DEPARTMENT OF INDUSTRIAL RELATIONS
Division of Occupational Safety and Health-Asbestos Certification
1750 Howe Avenue, Suite 460
Sacramento, CA 95825
(916) 574-2993 Office http://www.dir.ca.gov/dosh/asbestos.html actu@dir.ca.gov

208297217C 473 477

February 09, 2024

David M Kelly
26015 Okuma Road
Manifee CA 92584

Dear Certified Asbestos Consultant or Technician:

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

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

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

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

Please contact our office at the above address or email w any changes in your contact/mailing information within 15 days of the change.

Sincerely,

Kevin Graulich
Principal Safety Engineer

Attachment: Certification Card

cc: File

Renewal – Card Attached

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
 **David Kelly**	Lead Sampling Technician	LRC-00002285	10/22/2024

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

California Department of PublicHealth

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
	Lead Inspector/Assessor	LRC-00001285	7/3/2024
	Lead Project Monitor	LRC-00001284	7/3/2024

William Larkin

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 C

California Department of Public Health Form 8552

LEAD HAZARD EVALUATION REPORT

Section 1 — Date of Lead Hazard Evaluation April 19, 2024

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
4901 East Carson Street	Long Beach	Los Angeles	90808

Construction date (year) of structure	Type of structure	Children living in structure?
1950	☐ Multi-unit building ☑ School or daycare ☐ Single family dwelling ☐ Other	☐ Yes ☑ No ☐ Don't Know

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

Name	Telephone number
LBCC - Soufaine Boudiaf	562-938-5064

Address [number, street, apartment (if applicable)]	City	State	Zip Code
4901 East Carson Street	Long Beach	California	90808

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
Ivan Ortega	949-753-7070

Address [number, street, apartment (if applicable)]	City	State	Zip Code
475 Goddard, Ste 200	Irvine	CA	92618

CDPH certification number	Signature	Date
#3179	Ivan Ortega	4/19/2024

Name and CDPH certification number of any other individuals conducting sampling or testing (if applicable)

Edilberto Quintero

Section 7 — Attachments

A. A foundation diagram or sketch of the structure indicating the specifc locations of each lead hazard or presence of lead-based paint;
B. Each testing method, device, and sampling procedure used;
C. All data collected, including quality control data, laboratory results, including laboratory name, address, and phone number.

First copy and attachments retained by inspector

Second copy and attachments retained by owner

Third copy only (no attachments) mailed or faxed to:

California Department of Public Health
Childhood Lead Poisoning Prevention Branch Reports
850 Marina Bay Parkway, Building P, Third Floor
Richmond, CA 94804-6403
Fax: (510) 620-5656

APPENDIX D

Analytical Results and Chain-of-Custody Records

eurofins | Built Environment Testing

Report for:

David Kelly
Ninyo & Moore - Irvine
475 Goddard
Suite 200
Irvine, CA 92618

Regarding: Eurofins EPK Built Environment Testing, LLC
Project: 210407005; 4901 East Carson Street, Long Beach CA
EML ID: 3616038

Approved by:

Approved Signatory
Danny Li

Dates of Analysis:
Asbestos PLM: 04-24-2024

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

Eurofins EPK Built Environment Testing, LLC
2841 Dow Avenue, Suite 300, Tustin, CA 92780
(800) 651-4802 www.eurofinsus.com/Built

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407005; 4901 East Carson Street, Long Beach
CA

Date of Sampling: 04-19-2024
Date of Receipt: 04-19-2024
Date of Report: 04-24-2024

ASBESTOS PLM REPORT

Total Samples Submitted:	33
Total Samples Analyzed:	33
Total Samples with Layer Asbestos Content > 1%:	8

Location: 01, Stadium Office Roof - Ducting Mastic Lab ID-Version‡: 17692241-1

Sample Layers	Asbestos Content
Gray Mastic	ND
White Mastic	ND
Cream Mastic	ND
Composite Non-Asbestos Content:	10% Vermiculite
Sample Composite Homogeneity:	Good

Location: 02, S. Building Roof - Ducting Mastic Lab ID-Version‡: 17692242-1

Sample Layers	Asbestos Content
Gray Mastic	ND
White Mastic	ND
Cream Mastic	ND
Composite Non-Asbestos Content:	10% Vermiculite
Sample Composite Homogeneity:	Good

Location: 03, S. Building Roof - Ducting Mastic Lab ID-Version‡: 17692243-1

Sample Layers	Asbestos Content
Gray Mastic	ND
White Mastic	ND
Cream Mastic	ND
Composite Non-Asbestos Content:	10% Vermiculite
Sample Composite Homogeneity:	Good

Location: 04, Exterior, S. Building, N. on Conduit - Black Mastic Lab ID-Version‡: 17692244-1

Sample Layers	Asbestos Content
Black Mastic	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EPK Built Environment Testing, LLC
2841 Dow Avenue, Suite 300, Tustin, CA 92780
(800) 651-4802 www.eurofinsus.com/Built

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407005; 4901 East Carson Street, Long Beach
CA

Date of Sampling: 04-19-2024
Date of Receipt: 04-19-2024
Date of Report: 04-24-2024

ASBESTOS PLM REPORT

Location: 05, Exterior, S. Building, N. on Conduit - Black Mastic Lab ID-Version‡: 17692245-1

Sample Layers	Asbestos Content
Black Mastic	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EPK Built Environment Testing, LLC
2841 Dow Avenue, Suite 300, Tustin, CA 92780
(800) 651-4802 www.eurofinsus.com/Built

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407005; 4901 East Carson Street, Long Beach
CA

Date of Sampling: 04-19-2024
Date of Receipt: 04-19-2024
Date of Report: 04-24-2024

ASBESTOS PLM REPORT

Location: 06, Exterior, S. Building, N. on Conduit - Black Mastic Lab ID-Version‡: 17692246-1

Sample Layers	Asbestos Content
Black Mastic	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Location: 07, Exterior, S. Building, N. Pipe - Wrap Lab ID-Version‡: 17692247-1

Sample Layers	Asbestos Content
Gray/Black Wrap	40% Chrysotile
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 08, Exterior, S. Building, N. Pipe - Wrap Lab ID-Version‡: 17692248-1

Sample Layers	Asbestos Content
Gray/Black Wrap	40% Chrysotile
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 09, Exterior, S. Building, N. Pipe - Wrap Lab ID-Version‡: 17692249-1

Sample Layers	Asbestos Content
Gray/Black Wrap	40% Chrysotile
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EPK Built Environment Testing, LLC
2841 Dow Avenue, Suite 300, Tustin, CA 92780
(800) 651-4802 www.eurofinsus.com/Built

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407005; 4901 East Carson Street, Long Beach
CA

Date of Sampling: 04-19-2024
Date of Receipt: 04-19-2024
Date of Report: 04-24-2024

ASBESTOS PLM REPORT

Location: 10, Concession Countertop - Vinyl Sheeting with Glue Lab ID-Version‡: 17692250-1

Sample Layers	Asbestos Content
Yellow Glue	ND
Brown Countertop	ND
Brown Wood	ND
Composite Non-Asbestos Content:	40% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 11, Concession Countertop - Vinyl Sheeting with Glue Lab ID-Version‡: 17692251-1

Sample Layers	Asbestos Content
Yellow Glue	ND
Brown Countertop	ND
Brown Wood	ND
Composite Non-Asbestos Content:	40% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 12, Concession Countertop - Vinyl Sheeting with Glue Lab ID-Version‡: 17692252-1

Sample Layers	Asbestos Content
Yellow Glue	ND
Brown Countertop	ND
Brown Wood	ND
Composite Non-Asbestos Content:	40% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 13, Press Box Exterior Windows - Caulking Lab ID-Version‡: 17692253-1

Sample Layers	Asbestos Content
Black Caulk	ND
Gray Caulk	ND
Gray/White Caulk	< 1% Chrysotile
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EPK Built Environment Testing, LLC
2841 Dow Avenue, Suite 300, Tustin, CA 92780
(800) 651-4802 www.eurofinsus.com/Built

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407005; 4901 East Carson Street, Long Beach
CA

Date of Sampling: 04-19-2024
Date of Receipt: 04-19-2024
Date of Report: 04-24-2024

ASBESTOS PLM REPORT

Location: 14, Press Box Exterior Windows - Caulking Lab ID-Version‡: 17692254-1

Sample Layers	Asbestos Content
Black Caulk	ND
Gray Caulk	ND
Gray/White Caulk	< 1% Chrysotile
Sample Composite Homogeneity:	Moderate

Location: 15, Press Box Exterior Windows - Caulking Lab ID-Version‡: 17692255-1

Sample Layers	Asbestos Content
Black Caulk	ND
Gray Caulk	ND
Gray/White Caulk	< 1% Chrysotile
Sample Composite Homogeneity:	Moderate

Location: 16, Field Perimeter Wall - Brick & Mortar Lab ID-Version‡: 17692256-1

Sample Layers	Asbestos Content
Red Brick	ND
Gray Mortar	ND
Sample Composite Homogeneity:	Moderate

Location: 17, Field Perimeter Wall - Brick & Mortar Lab ID-Version‡: 17692257-1

Sample Layers	Asbestos Content
Red Brick	ND
Gray Mortar	ND
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EPK Built Environment Testing, LLC
2841 Dow Avenue, Suite 300, Tustin, CA 92780
(800) 651-4802 www.eurofinsus.com/Built

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407005; 4901 East Carson Street, Long Beach
CA

Date of Sampling: 04-19-2024
Date of Receipt: 04-19-2024
Date of Report: 04-24-2024

ASBESTOS PLM REPORT

Location: 18, Field Perimeter Wall - Brick & Mortar Lab ID-Version‡: 17692258-1

Sample Layers	Asbestos Content
Red Brick	ND
Gray Mortar	ND
Sample Composite Homogeneity:	Moderate

Location: 19, Score Board Storage Room - Black Mastic Lab ID-Version‡: 17692259-1

Sample Layers	Asbestos Content
Black Non-Fibrous Material	ND
Black Mastic	8% Chrysotile
Sample Composite Homogeneity:	Moderate

Location: 20, Score Board Storage Room - Black Mastic Lab ID-Version‡: 17692260-1

Sample Layers	Asbestos Content
Black Non-Fibrous Material	ND
Black Mastic	8% Chrysotile
Sample Composite Homogeneity:	Moderate

Location: 21, Score Board Storage Room - Black Mastic Lab ID-Version‡: 17692261-1

Sample Layers	Asbestos Content
Black Non-Fibrous Material	ND
Sample Composite Homogeneity:	Moderate

Comments: Mastic not detected.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EPK Built Environment Testing, LLC
2841 Dow Avenue, Suite 300, Tustin, CA 92780
(800) 651-4802 www.eurofinsus.com/Built

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407005; 4901 East Carson Street, Long Beach
CA

Date of Sampling: 04-19-2024
Date of Receipt: 04-19-2024
Date of Report: 04-24-2024

ASBESTOS PLM REPORT

Location: 22, Score Board Storage Room - Cove (Asphalt Shingle) Lab ID-Version‡: 17692262-1

Sample Layers	Asbestos Content
Black Roofing Shingle with Pebbles	ND
Composite Non-Asbestos Content:	20% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 23, Score Board Storage Room - Cove (Asphalt Shingle) Lab ID-Version‡: 17692263-1

Sample Layers	Asbestos Content
Black Roofing Shingle with Pebbles	ND
Black Roofing Tar and Felt	ND
Composite Non-Asbestos Content:	15% Cellulose 15% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 24, Score Board Storage Room - Cove (Asphalt Shingle) Lab ID-Version‡: 17692264-1

Sample Layers	Asbestos Content
Black Roofing Shingle with Pebbles	ND
Black Roofing Tar and Felt	ND
Composite Non-Asbestos Content:	15% Cellulose 15% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 25, Stadium Office Roof - Cementitious Pipe Lab ID-Version‡: 17692265-1

Sample Layers	Asbestos Content
Gray Transite	12% Chrysotile 3% Crocidolite
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EPK Built Environment Testing, LLC
2841 Dow Avenue, Suite 300, Tustin, CA 92780
(800) 651-4802 www.eurofinsus.com/Built

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407005; 4901 East Carson Street, Long Beach
CA

Date of Sampling: 04-19-2024
Date of Receipt: 04-19-2024
Date of Report: 04-24-2024

ASBESTOS PLM REPORT

Location: 26, Stadium Office Roof - Cementitious Pipe Lab ID-Version‡: 17692266-1

Sample Layers	Asbestos Content
Gray Transite	12% Chrysotile 5% Crocidolite
Sample Composite Homogeneity:	Good

Location: 27, Stadium Office Roof - Cementitious Pipe Lab ID-Version‡: 17692267-1

Sample Layers	Asbestos Content
Gray Transite	12% Chrysotile 4% Crocidolite
Sample Composite Homogeneity:	Good

Location: 28, Fire Control Room in S. Building - Firestop Lab ID-Version‡: 17692268-1

Sample Layers	Asbestos Content
Red Fire Stop	ND
Sample Composite Homogeneity:	Good

Location: 29, Fire Control Room in S. Building - Firestop Lab ID-Version‡: 17692269-1

Sample Layers	Asbestos Content
Red Fire Stop	ND
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EPK Built Environment Testing, LLC
2841 Dow Avenue, Suite 300, Tustin, CA 92780
(800) 651-4802 www.eurofinsus.com/Built

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407005; 4901 East Carson Street, Long Beach
CA

Date of Sampling: 04-19-2024
Date of Receipt: 04-19-2024
Date of Report: 04-24-2024

ASBESTOS PLM REPORT

Location: 30, Fire Control Room in S. Building - Firestop Lab ID-Version‡: 17692270-1

Sample Layers	Asbestos Content
Red Fire Stop	ND
Sample Composite Homogeneity:	Good

Location: 31, Exterior Flooring - Asphalt Lab ID-Version‡: 17692271-1

Sample Layers	Asbestos Content
Black Asphalt	ND
Sample Composite Homogeneity:	Moderate

Location: 32, Exterior Flooring - Asphalt Lab ID-Version‡: 17692272-1

Sample Layers	Asbestos Content
Black Asphalt	ND
Sample Composite Homogeneity:	Moderate

Location: 33, Exterior Flooring - Asphalt Lab ID-Version‡: 17692273-1

Sample Layers	Asbestos Content
Black Asphalt	ND
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

eurofins | Built Environment Testing

Report for:

David Kelly
Ninyo & Moore - Irvine
475 Goddard
Suite 200
Irvine, CA 92618

Regarding: Eurofins EPK Built Environment Testing, LLC
Project: 210407005; 4901 East Carson Street, Long Beach CA
EML ID: 3616038

Approved by:

Approved Signatory
Danny Li

Dates of Analysis:
Asbestos-EPA 400 point count: 04-29-2024

Service SOPs: Asbestos-EPA 400 point count (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1262)
NVLAP Lab Code 200757-0

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the samples as received and tested.

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

Eurofins EPK Built Environment Testing, LLC
2841 Dow Avenue, Suite 300, Tustin, CA 92780
(800) 651-4802 www.eurofinsus.com/Built

Client: Ninyo & Moore - Irvine
C/O: David Kelly
Re: 210407005; 4901 East Carson Street, Long Beach
CA

Date of Sampling: 04-19-2024
Date of Receipt: 04-19-2024
Date of Report: 04-29-2024

ASBESTOS POINT COUNT REPORT

Location:	13 Press Box Exterior Windows - Caulking		
Total Points Counted:	400		
Lab ID-Version‡:	17718020-1		
Sample Layers	**Asbestos Type**	**Asbestos Points Counted**	**Asbestos Concentration (%)**
Gray/White Caulk	Chrysotile	1	0.25
Layer Totals:		1	0.25

Location:	14 Press Box Exterior Windows - Caulking		
Total Points Counted:	400		
Lab ID-Version‡:	17718021-1		
Sample Layers	**Asbestos Type**	**Asbestos Points Counted**	**Asbestos Concentration (%)**
Gray/White Caulk	Chrysotile	0	< 0.25
Layer Totals:		0	NA

Comments: Asbestos was detected, but no points counted.

Location:	15 Press Box Exterior Windows - Caulking		
Total Points Counted:	400		
Lab ID-Version‡:	17718022-1		
Sample Layers	**Asbestos Type**	**Asbestos Points Counted**	**Asbestos Concentration (%)**
Gray/White Caulk	Chrysotile	0	< 0.25
Layer Totals:		0	NA

Comments: Asbestos was detected, but no points counted.

The analytical sensitivity is 1 asbestos point. The limit of detection is 1 asbestos point divided by the total number of points counted and multiplied by 100.

The results relate only to the items tested. Interpretation is left to the company and/or persons who conducted the field work. The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

All samples were received in acceptable condition unless otherwise noted. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.
Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

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

ASBESTOS BULK SAMPLE DATA SHEET (Chain-of-Custody)

Ninyo & Moore
475 Goddard, Suite 200
Irvine, CA 92618
Tel: (949) 753-7070
Fax: (949) 753-7071

Project Name : Liberal Arts Veterans Stadium
Address: 4901 East Carson Street
Long Beach, CA
Project No: 210407005
Project Manager: David Kelly

Date Sampled: 04/19/2024
Sampled By: Ivan Ortega

Laboratory:
Eurofins Built

CHAIN OF CUSTODY INFORMATION: Email: dkelly@ninyoandmoore.com, equintero@ninyoandmoore.com

Analysis: **PLM EPA 600/R-93/116** TAT: Standard

003616038

Relinquished By: (sign/print)	Company	Date	Time(24 hr)	Received By: (sign/print)
Ivan Ortega	Ninyo & Moore	4/19/2024	1445	Philip Newton
/		4/19/24	3 PM	/

Sample ID	Building Number	Sample Location	HA No.	Sample Description	Quantity (SF/LF/EA)	Friable (Y/N)	Condition
01	Veterans Stadium	Stadium Office Roof	1	Ducting Mastic	60 SF	N	I
02	↓	S. Building Roof	↓	↓	↓	↓	↓
03	↓	↓	↓	↓	↓	↓	↓
04	↓	Exterior - S-Building - N on Conduit	2	Black Mastic	1 SF	↓	↓
05	↓	↓	↓	↓	↓	↓	↓
06	↓	↓	↓	↓	↓	↓	↓
07	↓	Exterior - S-Building - N Pipe	3	Wrap	1 SF	↓	↓
08	↓	↓	↓	↓	↓	↓	↓
09	↓	↓	↓	↓	↓	↓	↓
10	↓	Concession Counter Top	4	Vinyl Sheeting w/ glue	40 SF	↓	↓
11	↓	↓	↓	↓	↓	↓	↓
12	↓	↓	↓	↓	↓	↓	↓
13	↓	Press Box Exterior Windows	5	Caulking	30 SF	↓	↓

ASBESTOS BULK SAMPLE DATA SHEET (Chain-of-Custody)

Ninyo & Moore 475 Goddard, Suite 200 Irvine, CA 92618 Tel: (949) 753-7070 Fax: (949) 753-7071	**Project Name :** Liberal Arts Veterans Stadium **Address:** 4901 East Carson Street Long Beach, CA **Project No: 210407005** **Project Manager: David Kelly**	Date Sampled: 04/19/2024 Sampled By: Ivan Ortega	**Laboratory:** **Eurofins Built**

CHAIN OF CUSTODY INFORMATION: Email: dkelly@ninyoandmoore.com, equintero@ninyoandmoore.com

Analysis: **PLM EPA 600/R-93/116** TAT: Standard

Relinquished By: (sign/print)	Company	Date	Time(24 hr.)	*Received By: (sign/print)
/ Ivan Ortega	Ninyo & Moore	4/19/2024	1445	/ Phillip Newton
/		4/19/24	3PM	/

003616038

Sample ID	Building Number	Sample Location	HA No.	Sample Description	Quantity (SF/LF/EA)	Friable (Y/N)	Condition
14	Veterans Stadium	Press Box Exterior windows	5	Caulking	30SF	N	I
15	↓	↓	↓	↓	↓	↓	↓
16		Field Perimeter Wall	6	Brick & Mortar	2,000SF		
17		↓	↓	↓	↓		
18		↓	↓	↓	↓		
19		Score Board Storage Room	7	Black mastic	4SF		
20		↓	↓	↓	↓		
21		↓	↓	↓	↓		
22		↓	8	Cove (Asphalt Shingle)	70SF		
23		↓	↓	↓	↓		
24		↓	↓	↓	↓		
25		Stadium Office Roof	9	Cementitious Pipe	15SF		
26	↓	↓	↓	↓	↓	↓	↓

ASBESTOS BULK SAMPLE DATA SHEET (Chain-of-Custody)

Ninyo & Moore 475 Goddard, Suite 200 Irvine, CA 92618 Tel: (949) 753-7070 Fax: (949) 753-7071	**Project Name :** Liberal Arts Veterans Stadium **Address:** 4901 East Carson Street Long Beach, CA **Project No: 210407005** **Project Manager: David Kelly**	Date Sampled: 04/19/2024 Sampled By: Ivan Ortega	**Laboratory:** **Eurofins Built**

CHAIN OF CUSTODY INFORMATION: Email: dkelly@ninyoandmoore.com, equintero@ninyoandmoore.com

Analysis: **PLM EPA 600/R-93/116** TAT: Standard

Relinquished By: (sign/print)	Company	Date	Time(24 hr.)	Received By: (sign/print)
/ Ivan Ortega	Ninyo & Moore	4/19/2024	1445	/ Philip Newton
/		4/19/24	3PM	/

003616038

Sample ID	Building Number	Sample Location	HA No.	Sample Description	Quantity (SF/LF/EA)	Friable (Y/N)	Condition
27	Veterans Stadium	Stadium Office Building	9	Cementitious Pipe	15 SF	N	I
28		Fire Control Room in S. Building	10	Fire Stop	1 SF		
29							
30							
31		Exterior Flooring	11	Asphalt			
32							
33							
		IAC					
		4/19/24					

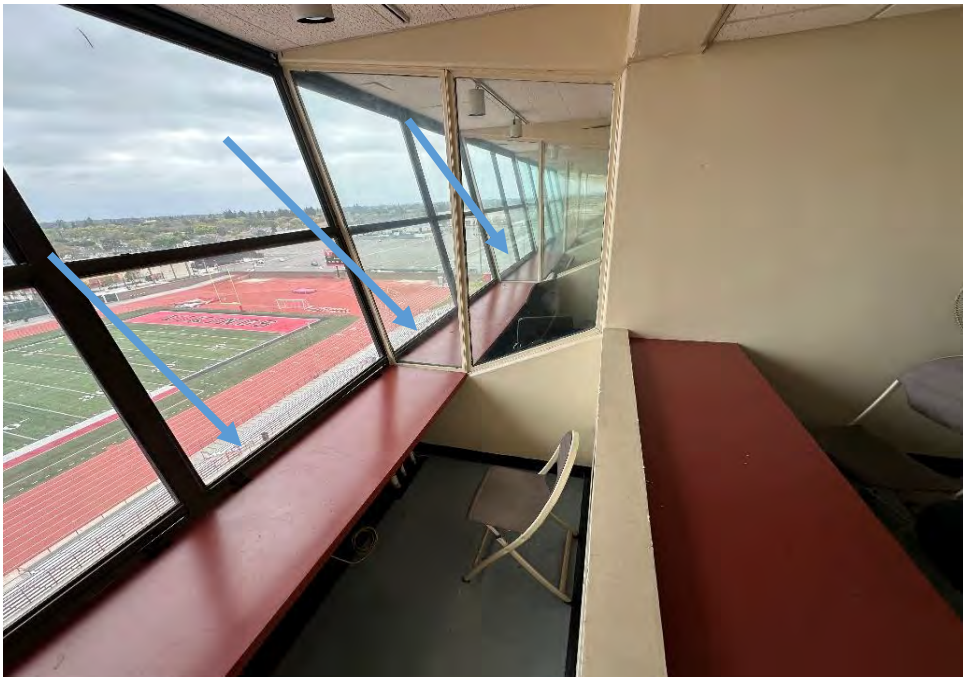
APPENDIX E

Photographs

Photograph 1: **Exterior view of the Veterans stadium.**

Photograph 2: **General view of the track.**

Photograph 3: **Representative view of the asbestos containing pipe wrap.**



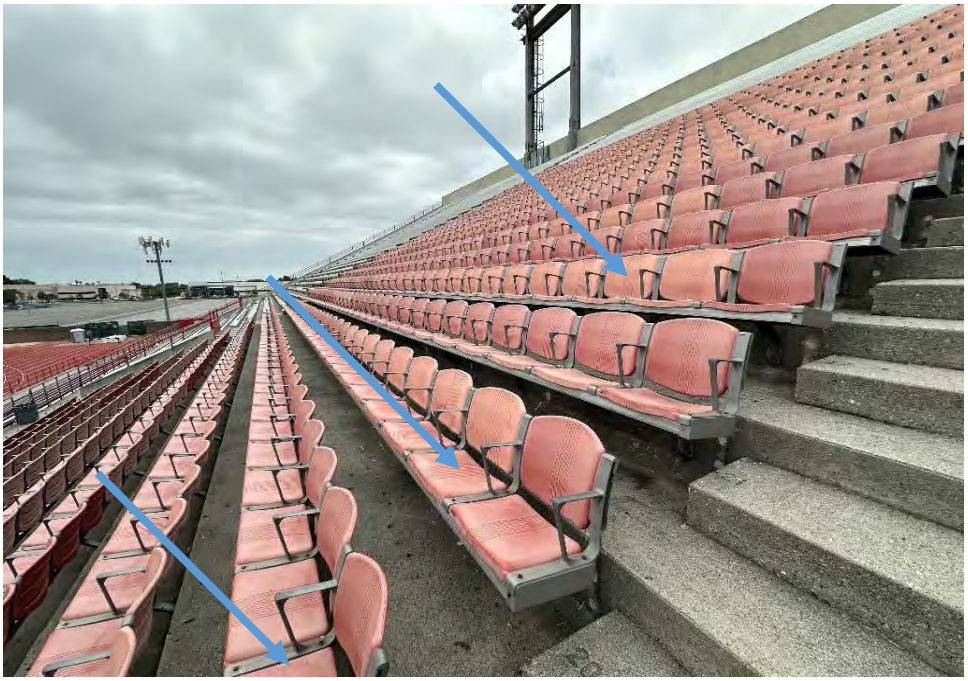
Photograph 4: **Representative view of the asbestos containing construction material window caulking.**

Photograph 5: **Representative view of the asbestos containing penetration mastic on the scoreboard storage building.**

Photograph 6: **Representative view of the asbestos containing cementitious pipe on the stadium office roof.**

Photograph 7: **Representative view of the lead based black/white paint on the door jamb and frame of the ticket booth.**

Photograph 8: **Representative view of the lead based yellow paint on the metal pipe.**



Photograph 9: **Representative view of the lead containing red plastic bleacher chairs.**

Photograph 10: **Representative view of the lead containing gray paint on the door frame of the press box.**

Photograph 11: **Representative view of the lead containing gray paint on the steel pipe located on the north wall of the stadium.**

Photograph 12: **Representative view of the lead containing white paint on steel and cementitious pipes on the stadium office roof.**

Photograph 13: **Representative view of the lead containing white paint on vent pipes on the stadium office roof.**

Photograph 14: **Representative view of the lead containing gray paint on the door frame of the mechanical room.**

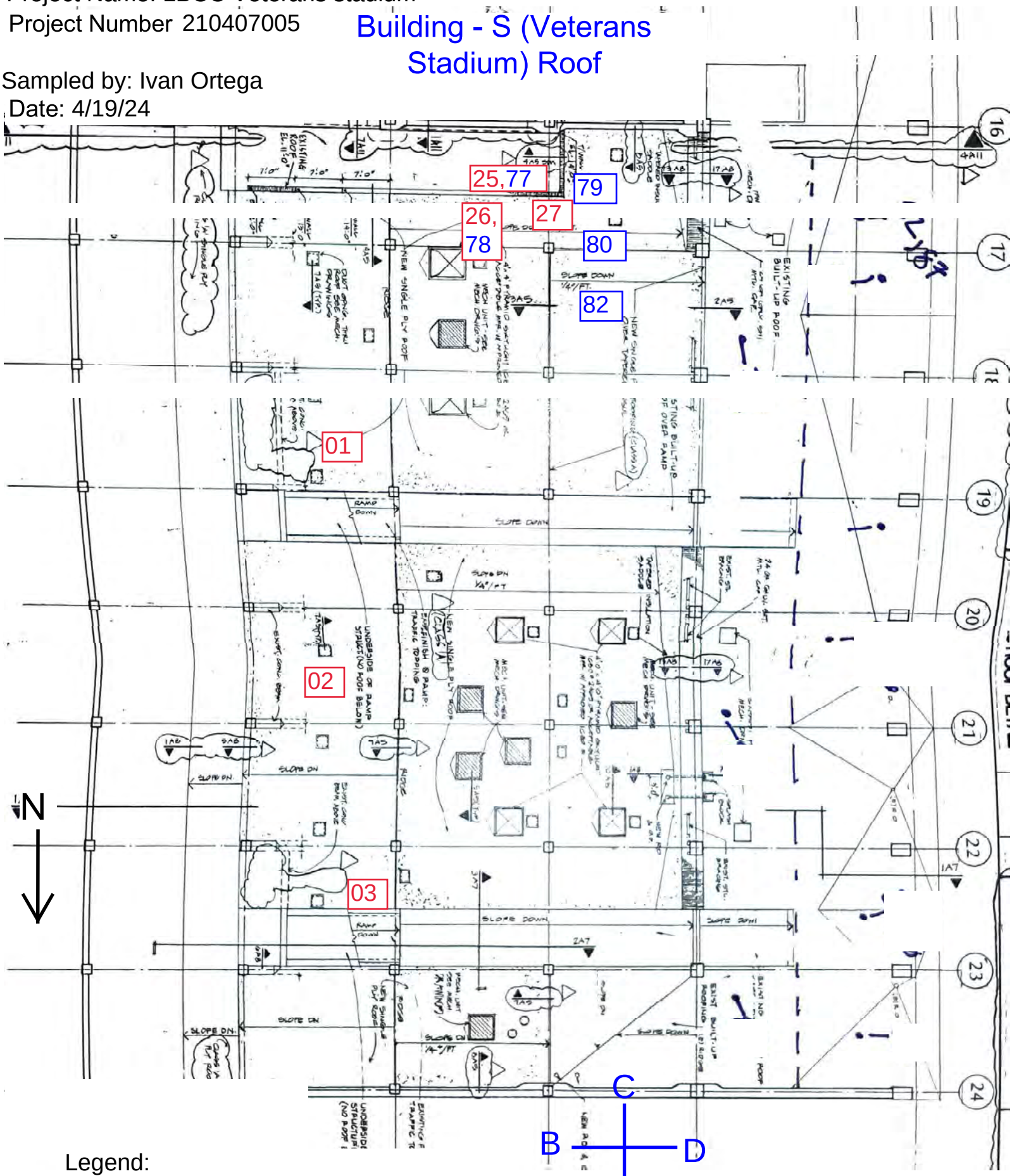
APPENDIX F

Field Drawings

Project Name: LBCC Veterans stadium
Project Number 210407005

Building - S (Veterans Stadium) Roof

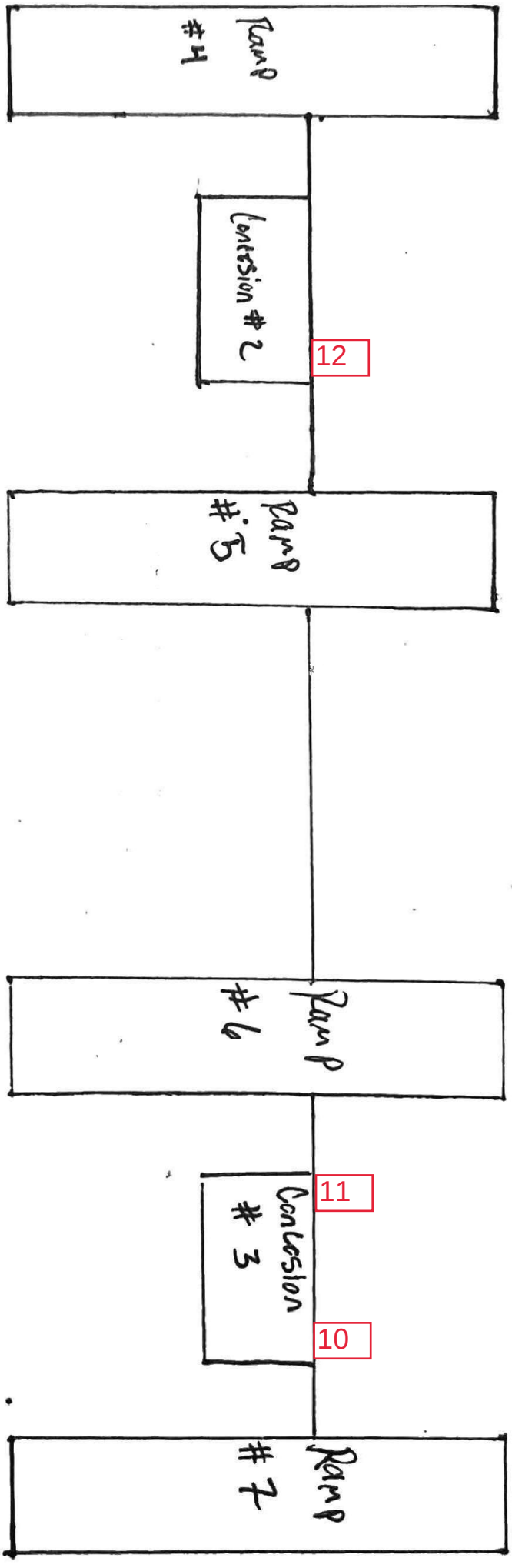
Sampled by: Ivan Ortega
Date: 4/19/24

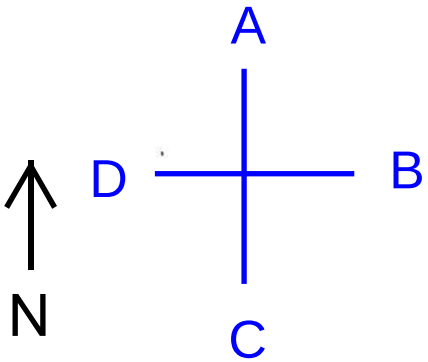


Legend:
Suspect asbestos sampling location
Positive XRF scan location

Project Name: LBCC Veteran's Stadium
Project Number: 210407005
Sampled by: Ivan Ortega
Date: 4/19/24

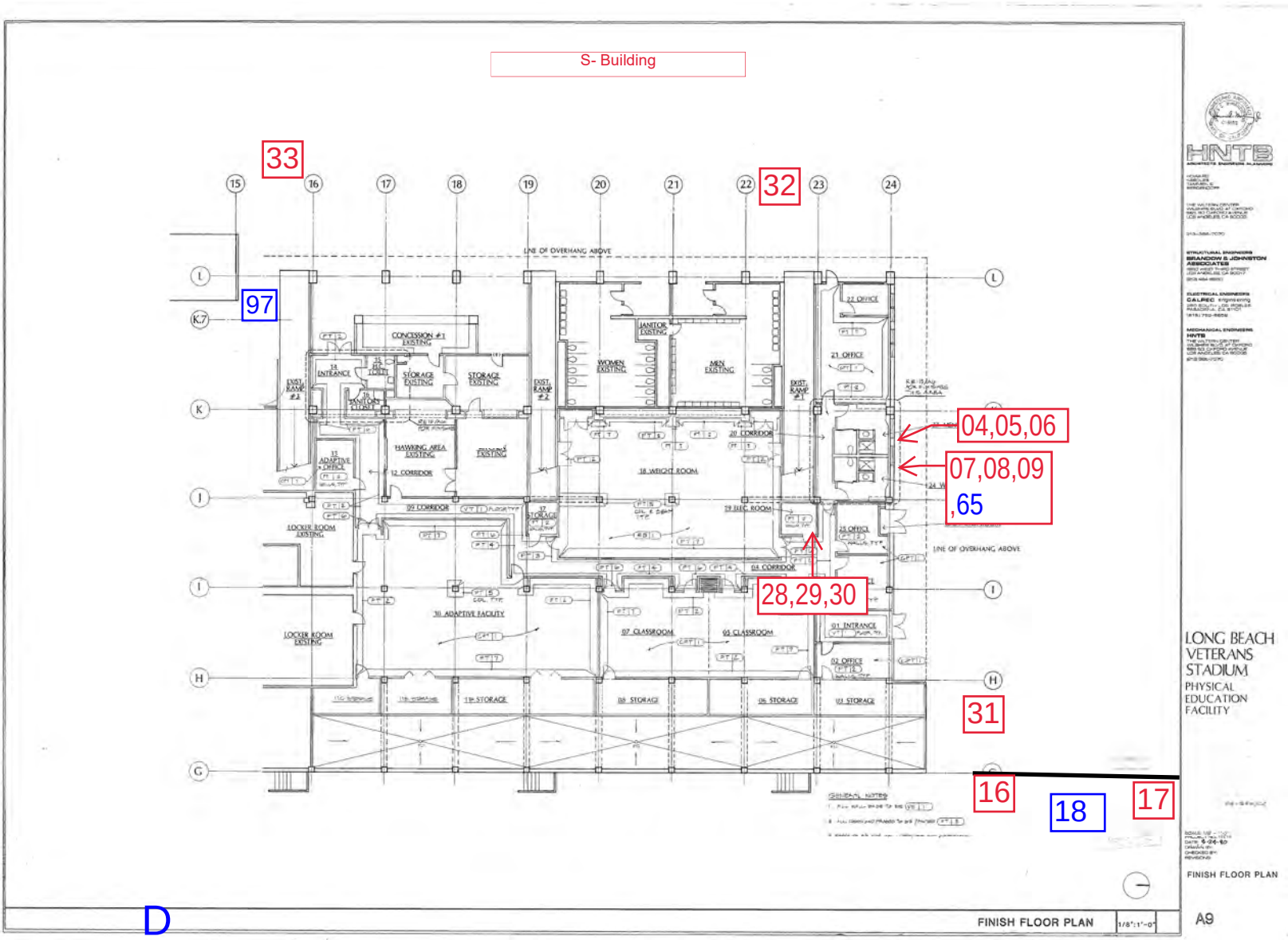
Ramps & Concensions





Legend:
Suspect asbestos sampling location
Positive XRF scan location

Project Name: LBCC Veteran's Stadium
Project Number: 210407005
Sampled by: Ivan Ortega
Date: 4/19/24



D

C A

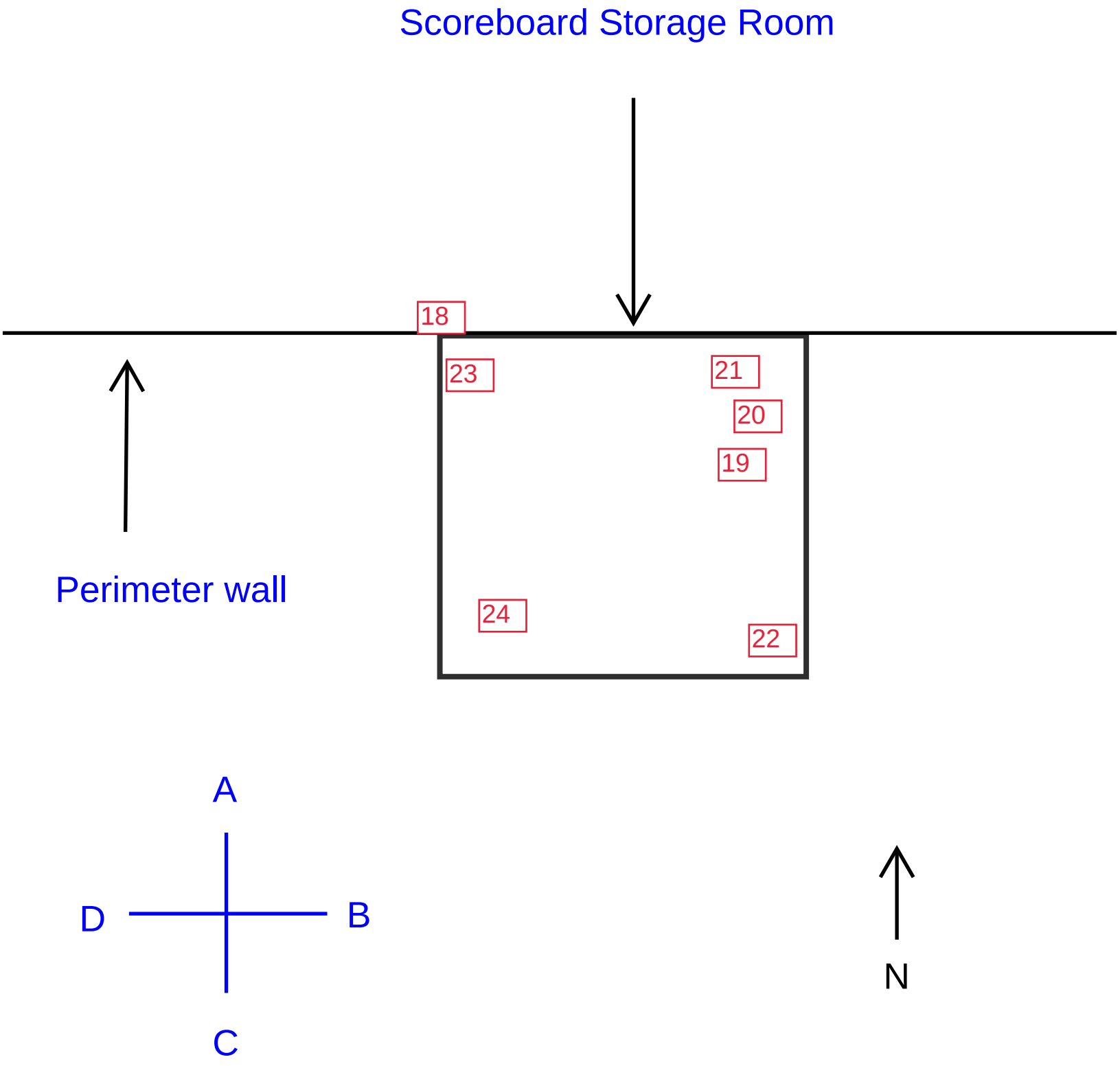
B

Legend:

Suspect asbestos sampling location

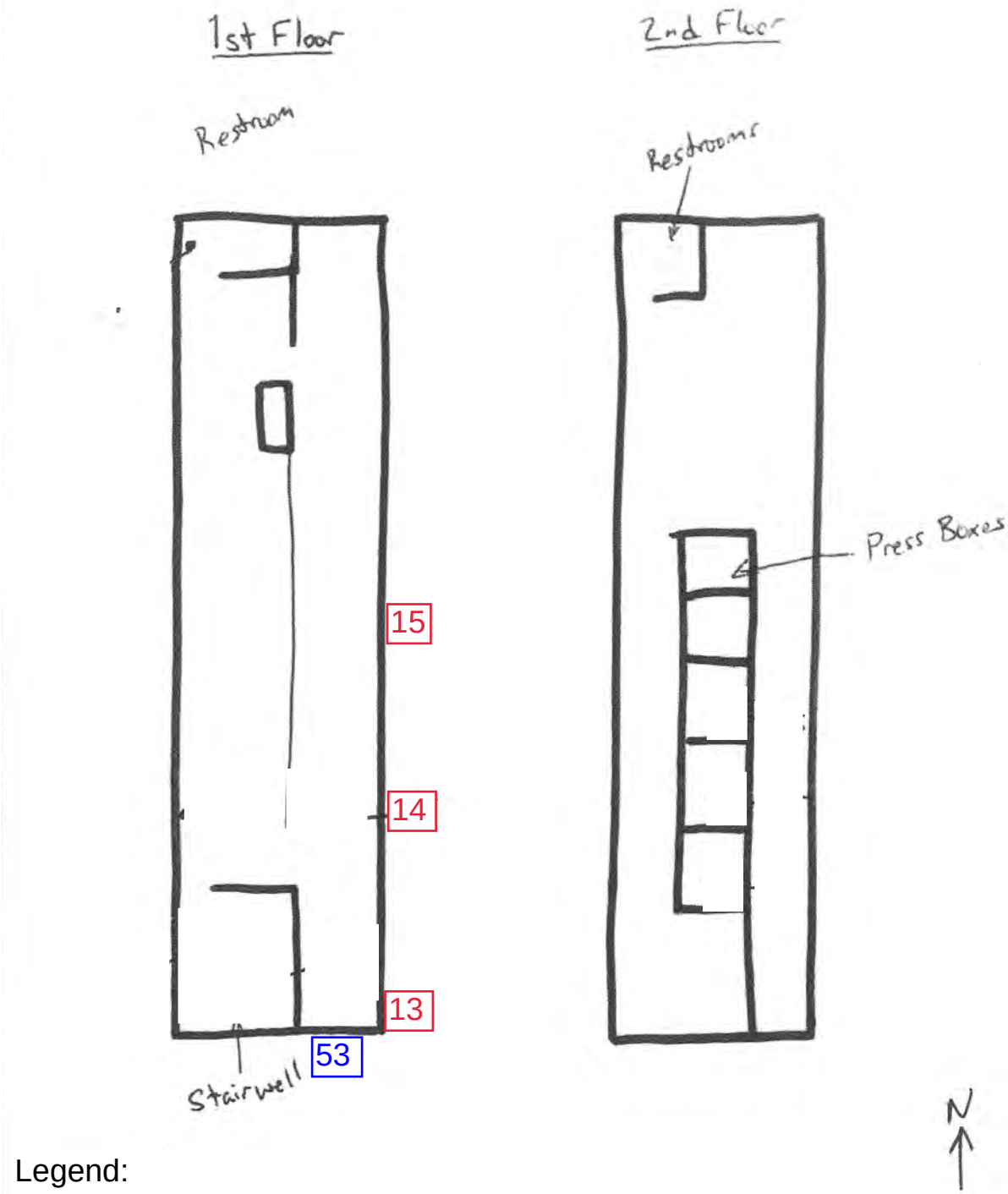
Positive XRF scan location

Project Name: LBCC Veteran's Stadium
Project Number: 210407005
Sampled by: Ivan Ortega
Date: 4/19/24



Legend:
Suspect asbestos sampling location
Positive XRF scan location

Project Name: LBCC Veteran's Stadium
Project Number: 210407005
Sampled by: Ivan Ortega
Date: 4/19/24

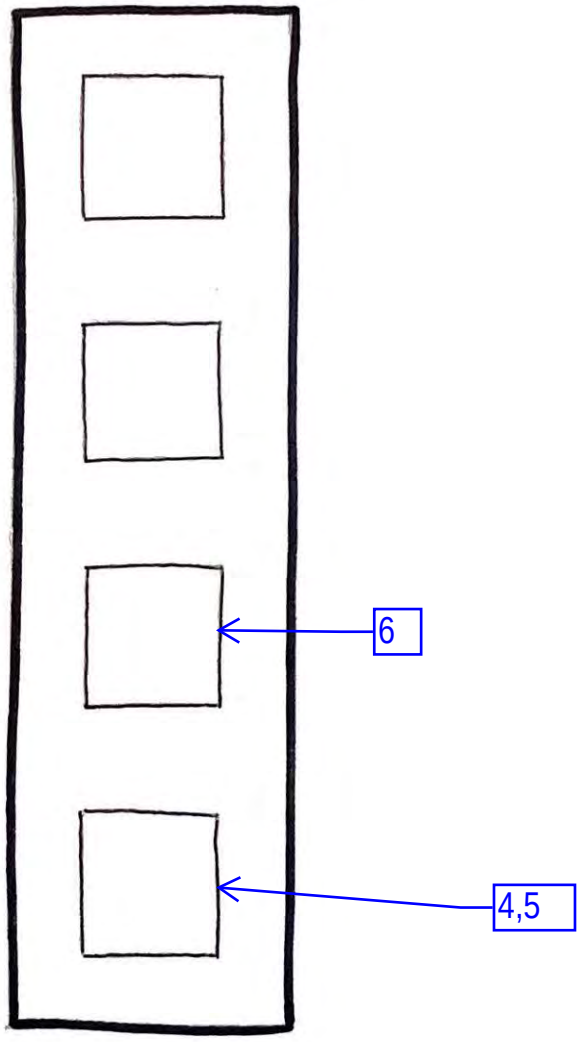


Legend:
Suspect asbestos sampling location
Positive XRF scan location

Project Name: LBCC Veteran's Stadium
Project Number: 210407005
Sampled by: Ivan Ortega
Date: 4/19/24

N

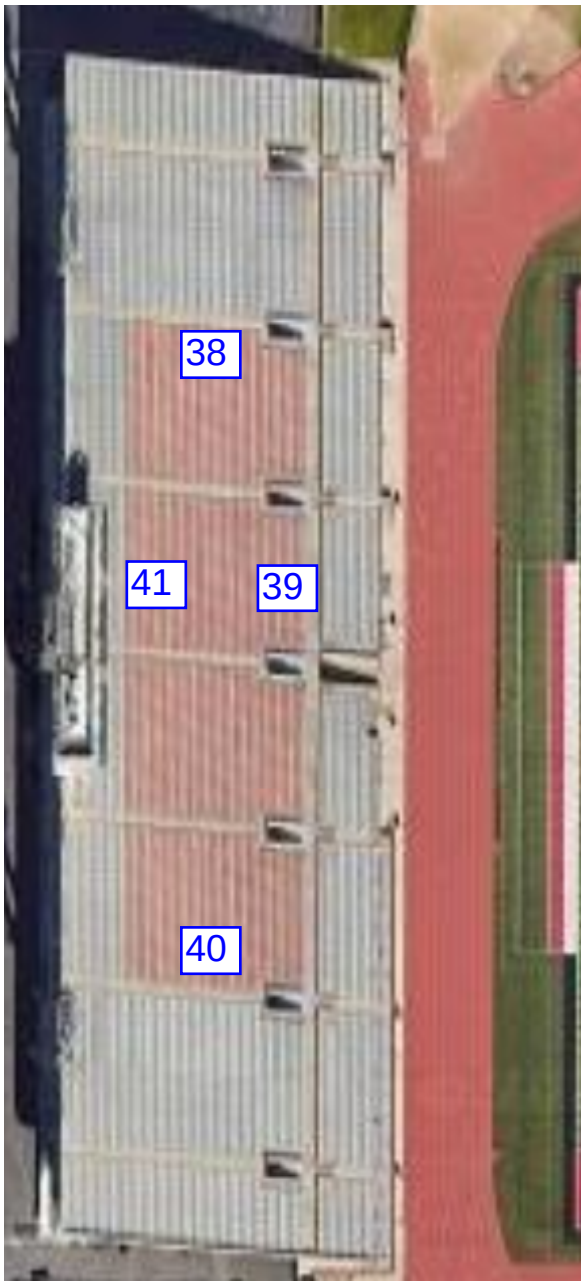
Ticket Booth

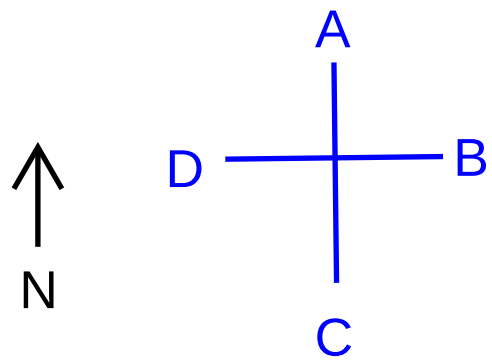


Legend:
Suspect asbestos sampling location
Positive XRF scan location

Project Name: LBCC Veteran's Stadium
Project Number: 210407005
Sampled by: Ivan Ortega
Date: 4/19/24

Field





Legend:
Suspect asbestos sampling location
Positive XRF scan location

APPENDIX G

XRF Readings Summary

XRF Readings Summary

Reading No.	Room	Floor	Side	Component	Substrate	Condition	Color	Action Level (mg/cm^2)	Results	Approximate Quantity	Lead Reading (mg/cm^2)
1	Start	Standard Calibration Check 1.04 +/- 0.06 mg/cm^2						0.7	Positive	N/A	1.0
2		Standard Calibration Check 1.04 +/- 0.06 mg/cm^2						0.7	Positive	N/A	1.1
3		Standard Calibration Check 1.04 +/- 0.06 mg/cm^2						0.7	Positive	N/A	1.0
Ticket Booth											
4	Interior	1	B	Door frame	Wood	Intact	Black	0.7	Positive	4 EA	1.2
5	Interior	1	B	Door jamb	Wood	Intact	White	0.7	Positive	See #4	1.2
6	Interior	1	B	Door frame	Wood	Intact	White	0.7	Positive	See #4	2.3
7	Interior	1	B	Vent	Metal	Intact	White	0.7	Negative	N/A	0.0
8	Interior	1	A	Collapsible window	Wood	Intact	White	0.7	Negative	N/A	0.0
9	Exterior	1	B	Trim	Wood	Intact	Black	0.7	Negative	N/A	0.0
10	Exterior	1	A	Hand rail	Metal	Intact	Red	0.7	Negative	N/A	0.0
11	Exterior	1	A	Mid rail	Metal	Intact	Red	0.7	Negative	N/A	0.0
12	Exterior	1	B	Base	Concrete	Intact	Black	0.7	Negative	N/A	0.0
13	Exterior	1	A	Window sill	Wood	Intact	Black	0.7	Negative	N/A	0.0
14	Exterior	1	D	Wall	Stucco	Intact	White	0.7	Negative	N/A	0.0
15	Exterior	1	D	Down spout	Metal	Intact	Red	0.7	Negative	N/A	0.0
16	Exterior	1	D	Vent	Metal	Intact	Red	0.7	Negative	N/A	0.0
17	Exterior	1	D	Bench	Wood	Intact	White	0.7	Negative	N/A	0.0
Field											
18	Field	1	A	Water line	Metal	Intact	Yellow	0.7	Positive	4 SF	2.1
19	Field scoreboard	1	C	Support beam	Metal	Intact	Black	0.7	Negative	N/A	0.0
20	Field scoreboard	1	C	Transformer	Metal	Intact	Tan	0.7	Negative	N/A	0.5
21	Field scoreboard	1	C	Hand rail	Metal	Intact	Black	0.7	Negative	N/A	0.0
22	Field scoreboard	1	C	Mid rail	Metal	Intact	Black	0.7	Negative	N/A	0.0
23	Field scoreboard	1	C	Toe board	Metal	Intact	Black	0.7	Negative	N/A	0.0
24	Field scoreboard	1	C	Floor	Metal	Intact	Black	0.7	Negative	N/A	0.0
25	Field storage room	1	C	Louvers	Metal	Intact	Black	0.7	Negative	N/A	0.0
26	Field storage room	1	C	Window frame	Wood	Intact	Black	0.7	Negative	N/A	0.0
27	Field storage room	1	C	Window sill	Wood	Intact	Black	0.7	Negative	N/A	0.0
28	Field storage room	1	C	Facia	Wood	Intact	Black	0.7	Negative	N/A	0.0
29	Field storage room	1	C	Louver sill	Wood	Intact	Black	0.7	Negative	N/A	0.0
30	Field	1	C	Hand rail	Metal	Intact	Red	0.7	Negative	N/A	0.0
31	Field	1	C	Banister	Metal	Intact	Red	0.7	Negative	N/A	0.0
32	Field	1	D	Field goal	Metal	Intact	Yellow	0.7	Negative	N/A	0.0
33	Field	1	B	Bollards	Metal	Intact	Yellow	0.7	Negative	N/A	0.0

XRF Readings Summary

Reading No.	Room	Floor	Side	Component	Substrate	Condition	Color	Action Level (mg/cm^2)	Results	Approximate Quantity	Lead Reading (mg/cm^2)
34	Field	1	B	Bollards	Metal	Intact	Yellow	0.7	Negative	N/A	0.0
35	Field	1	B	Bollards	Metal	Intact	Yellow	0.7	Negative	N/A	0.0
36	Field	1	D	Wall	CMU	Intact	Red	0.7	Negative	N/A	0.0
Building S											
37	Exterior	1	A	Wall	Concrete	Intact	Gray	0.7	Negative	N/A	0.0
38	Exterior	1	A	Door	Metal	Intact	Gray	0.7	Negative	N/A	0.0
39	Exterior	1	A	Door	Metal	Intact	Gray	0.7	Negative	N/A	0.0
40	Exterior	1	A	Pipe	Metal	Intact	Gray	0.7	Positive	10 SF	1.5
41	Men's restroom	1	D	Floor	Concrete	Intact	Gray	0.7	Negative	N/A	0.0
42	Men's restroom	1	D	Door casing	Metal	Intact	Gray/Purple	0.7	Negative	N/A	0.5
43	Men's restroom	1	D	Door	Metal	Intact	Gray	0.7	Negative	N/A	0.0
44	Women's restroom	1	D	Floor	Concrete	Intact	Gray	0.7	Negative	N/A	0.0
45	Women's restroom	1	D	Door casing	Metal	Intact	Gray/Purple	0.7	Negative	N/A	0.5
46	Women's restroom	1	D	Door	Metal	Intact	Gray	0.7	Negative	N/A	0.0
47	Roof	1	C	Pipe	Metal	Intact	Gray	0.7	Negative	N/A	0.1
48	Roof	1	C	Valve	Metal	Intact	Red	0.7	Negative	N/A	0.0
49	Roof	1	C	Transformer	Metal	Intact	Green	0.7	Negative	N/A	0.0
50	Roof	1	Central	Door	Metal	Intact	Yellow	0.7	Negative	N/A	0.0
51	Roof	1	Central	Door hinge	Metal	Intact	Teal	0.7	Negative	N/A	0.1
52	Roof	1	C	Pipe	Cementitious	Intact	Gray	0.7	Positive	1 EA	2.2
53	Roof	1	C	Pipe	Cementitious	Intact	White	0.7	Positive	2 EA	2.2
54	Roof	1	C	Pipe	Metal	Intact	White	0.7	Positive	35 EA	8.8
55	Roof	1	C	Pipe	Metal	Intact	White	0.7	Positive	See #79	6.6
56	Roof	1	C	Wall	Concrete	Intact	Silver	0.7	Negative	N/A	0.0
57	Roof	1	C	Vent	Metal	Intact	White	0.7	Positive	10 EA	6.1
58	Roof	1	B	Pipe	Metal	Intact	Silver	0.7	Negative	N/A	0.0
59	Roof	1	B	HVAC box	Metal	Intact	Red	0.7	Negative	N/A	0.0
60	Roof	1	B	HVAC tank	Metal	Intact	Red	0.7	Negative	N/A	0.0
61	Stadium office	1	D	Wall	Concrete	Intact	Gray	0.7	Negative	N/A	0.0
62	Stadium office	1	D	Door	Metal	Intact	Gray	0.7	Negative	N/A	0.0
63	Stadium office	1	D	Wall	Ceramic	Intact	White	0.7	Negative	N/A	0.0
64	Exterior	1	D	Floor striping	Asphalt	Intact	Yellow	0.7	Negative	N/A	0.0
65	Exterior	1	A	Floor striping	Asphalt	Intact	Red	0.7	Negative	N/A	0.0
66	Exterior	1	A	Floor striping	Asphalt	Intact	Blue	0.7	Negative	N/A	0.0

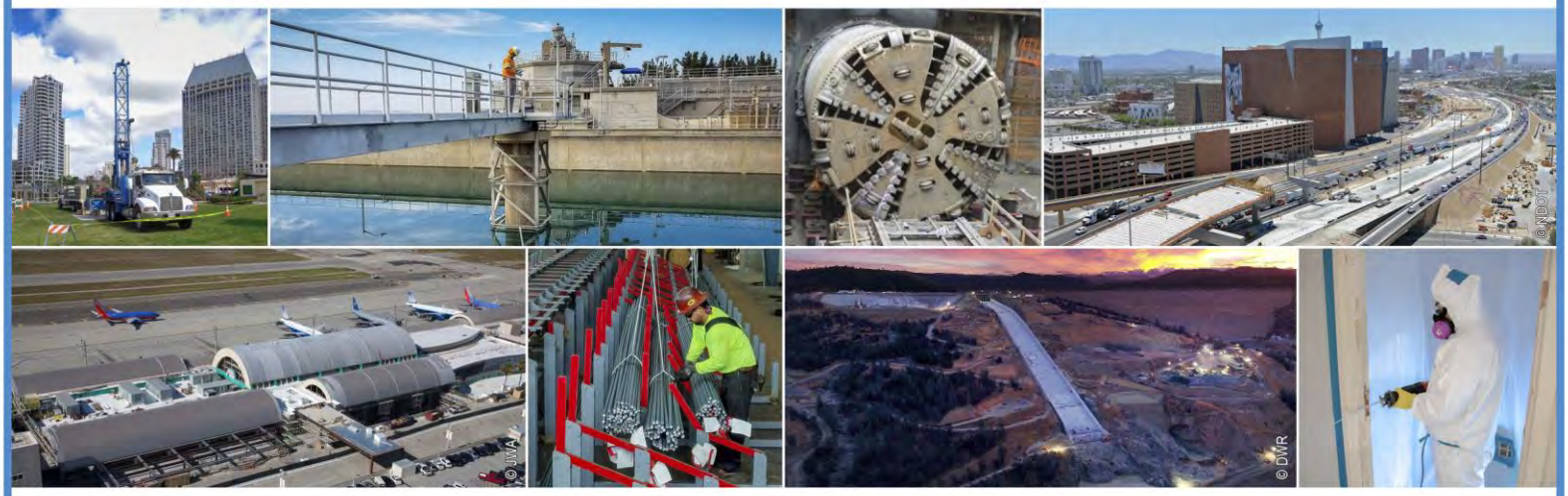
XRF Readings Summary

Reading No.	Room	Floor	Side	Component	Substrate	Condition	Color	Action Level (mg/cm^2)	Results	Approximate Quantity	Lead Reading (mg/cm^2)
67	Exterior	1	A	Floor striping	Asphalt	Intact	White	0.7	Negative	N/A	0.0
68	Mechanical room	1	Central	Box	Metal	Intact	Green	0.7	Negative	N/A	0.0
69	Mechanical room	1	A	Door	Wood	Intact	Blue	0.7	Negative	N/A	0.0
70	Mechanical room	1	D	Door	Wood	Intact	Purple	0.7	Negative	N/A	0.0
71	Mechanical room	1	D	Door frame	Metal	Intact	Purple	0.7	Negative	N/A	0.0
72	Mechanical room	1	D	Door frame	Metal	Intact	Gray	0.7	Positive	2 EA	1.2
73	Locker room	1	A	Door frame	Wood	Intact	Black	0.7	Negative	N/A	0.03
74	Bleachers	1	C	Floor striping	Concrete	Intact	Blue	0.7	Negative	N/A	0.0
75	Bleachers	1	C	Floor striping	Concrete	Intact	White	0.7	Negative	N/A	0.0
76	Bleachers	1	C	Hand rail	Metal	Intact	Red	0.7	Negative	N/A	0.0
77	Bleachers	1	C	Guard rail	Metal	Intact	Red	0.7	Negative	N/A	0.0
78	Bleachers	1	D	Bleacher bracket	Metal	Intact	White	0.7	Negative	N/A	0.3
79	Bleachers	1	D	Bleacher bracket	Metal	Intact	White	0.7	Negative	N/A	0.3
80	Bleachers	1	A	Chairs	Plastic	Intact	Red	0.7	Positive	20,000 SF	0.9
81	Bleachers	1	B	Chairs	Plastic	Intact	Red	0.7	Positive	See #38	0.9
82	Bleachers	1	C	Chairs	Plastic	Intact	Red	0.7	Positive	See #38	0.9
83	Bleachers	1	D	Chairs	Plastic	Intact	Red	0.7	Positive	See #38	0.9
84	Bleachers	1	D	Pipe	Metal	Intact	Teal	0.7	Negative	N/A	0.5
85	Bleachers	1	D	Wall	Concrete	Intact	White	0.7	Negative	N/A	0.0
86	Bleachers	1	D	Wall	Concrete	Intact	Gray	0.7	Negative	N/A	0.0
87	Bleachers	1	D	Ceiling	Concrete	Intact	Red	0.7	Negative	N/A	0.0
88	Bleachers	1	D	Ceiling	Concrete	Intact	Gray	0.7	Negative	N/A	0.0
89	Bleachers	1	D	Hand rail	Metal	Intact	Red	0.7	Negative	N/A	0.0
90	Press box	1	D	Door frame	Metal	Intact	Gray	0.7	Positive	I EA	1.0
91	Press box	1	D	Door	Metal	Intact	Gray	0.7	Negative	N/A	0.0
92	Press box	2	B	Guard rail	Metal	Intact	Red	0.7	Negative	N/A	0.1
93	Press box	2	A	Door	Metal	Intact	Tan	0.7	Negative	N/A	0.0
94	Press box	2	A	Wall	Metal	Intact	Tan	0.7	Negative	N/A	0.0
95	Press box	2	B	Sign	Metal	Intact	Black	0.7	Negative	N/A	0.1
96	Press box	2	B	Pipe	Metal	Intact	Black	0.7	Negative	N/A	0.1
97	Press box	2	D	Bracket	Metal	Intact	Tan	0.7	Negative	N/A	0.0
98	Press box	2	D	Post	Metal	Intact	Tan	0.7	Negative	N/A	0.0

XRF Readings Summary

Reading No.	Room	Floor	Side	Component	Substrate	Condition	Color	Action Level (mg/cm^2)	Results	Approximate Quantity	Lead Reading (mg/cm^2)
99	End			Standard Calibration Check 1.04 +/- 0.06 mg/cm^2				0.7	Positive	N/A	1.1
100				Standard Calibration Check 1.04 +/- 0.06 mg/cm^2				0.7	Positive	N/A	1.0
101				Standard Calibration Check 1.04 +/- 0.06 mg/cm^2				0.7	Positive	N/A	1.0

Notes:
EA - each
mg/cm^2 - milligrams per cubic centimeter
No. - number
N/A - not applicable
SF - square feet
XRF - X-Ray fluorescence



475 Goddard, Suite 200 | Irvine, California 92618 | p. 949.753.7070

ARIZONA | CALIFORNIA | COLORADO | NEVADA | TEXAS | UTAH

ninyoandmoore.com

Ninyo & Moore

Geotechnical & Environmental Sciences Consultants