	<b>Solomon Elementary School District, #5</b>		2250 S. Stevens Ave Solomon, AZ 85551
	Amendment #2		
	IFB: 20-02-22 PROJECT: Roofing and Weatherization Improvements of Gym at Solomon Elementary School	Page 1 of 59	

March 25, 2021

This amendment is released to all interested parties.

1. The following technical clarifications are attached within Addendum No. 2 from Architechnology is eight pages.



Solomon  
Weatherization Adder

2. It has been reported that HCM Report from Dominion is hard to download. It is attached with in this document as well.
3. All other terms and conditions remain the same.
4. Please remember to acknowledge this Amendment #2 with your offer.
5. End of Amendment #2.

ADDENDUM: Number 01

DATE: March 24, 2021

TO: Interested Bidders

CLIENT: Solomon Elementary School District  
Solomon, Arizona

PROJECT: Solomon Elementary School Roofing and Weatherization  
Improvements

SITE: Solomon Elementary School  
Solomon, Arizona

ARCHITECT: Architechnology, Inc.  
5229 North 7<sup>th</sup> Avenue, Suite 101  
Phoenix, Arizona 85013

AT PROJECT NO: 20-131

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1. INSTRUCTIONS

1. This supplement to Bid Documents is issued prior to the receipt of bids. All Work covered in the supplement shall be included in the original quotation and the Supplement will be considered an integral part of the Contract Documents.
2. All work performed under this Supplement shall be subject to the General Conditions of the Contract and the Specifications for similar work in connection with this Project.



A. General Items – Clarification

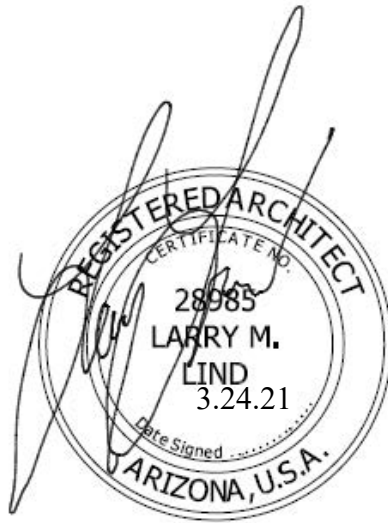
a. None.

B. Contract Drawings – Change

a. None.

C. Specifications – Change

a. See attached painting specification for building exterior surfaces to receive elastomeric or DTM painting. All red brick surfaces shall receive the silane water repellant.



**PART 1 – GENERAL**

**1.1 SUMMARY**

- A. Section includes substrate preparation and application of silicone elastomeric coatings to the following exterior substrates:
1. Concrete.
  2. Concrete unit masonry.
  3. Brick masonry
  4. Stucco
  5. Exterior insulation finish system (EIFS).
- B. Related Sections:
1. Section 07 92 00 "Joint Sealants" for elastomeric joint sealants applied in conjunction with work of this section.
  2. Section 09 91 13 "Exterior Painting" for special use paint and general field painting other than elastomeric coatings.
  3. Section 09 96 00 "High Performance Coatings" for special use coatings and general field painting other than elastomeric coatings.

**1.2 REFERENCE STANDARDS**

- A. ASTM International (ASTM): [www.astm.org](http://www.astm.org) :
1. ASTM D 412 - Standard Test Method for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers - Tension.
  2. ASTM D 522 - Standard Test Methods for Mandrel Bend Test of Attached Organic Coatings.
  3. ASTM D 711 - Standard Test Method for No-Pick-Up Time of Traffic Paint.
  4. ASTM D 1653 - Standard Test Method for Water Vapor Transmission of Organic Coatings.
  5. ASTM D 1737 - Method of Test for Elongation of Attached Organic Coatings with Cylindrical Mandrel Apparatus.
  6. ASTM D 2240 - Rubber Property Durometer Hardness.
  7. ASTM D 2369 - Standard Test Method for Volatile Content of Coatings.
  8. ASTM D 3273 - Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber.
  9. ASTM D 3274 - Standard Test Method for Evaluating Degree of Surface Disfigurement of Paint Films by Microbial (Fungal or Algal) Growth of Soil and Dirt.
- B. Federal Government Publications: [www.epa.gov/nscep/](http://www.epa.gov/nscep/)
1. 40 CFR 59, Subpart D-200 - National Volatile Organic Compound Emission Standards for Architectural Coatings.

- C. Sealant, Waterproofing, and Restoration Institute (SWRI): [www.swrionline.org](http://www.swrionline.org)
  - 1. SWRI Validation Program.
- D. U. S. Environmental Protection Agency (EPA): [www.epa.gov](http://www.epa.gov)
  - 1. 40 CFR 59, Subpart D: National Volatile Organic Compound Emission Standards for Architectural Coatings.
- E. US Green Building Council (USGBC): [www.usgbc.org](http://www.usgbc.org)
  - 1. Leadership in Energy and Environmental Design (LEED) Green Building Rating System.

### 1.3 ADMINISTRATIVE REQUIREMENTS

- A. Preinstallation Conference: Conduct conference at Project site.

### 1.4 ACTION SUBMITTALS

- A. Product Data: For specified products, including:
  - 1. Preparation instructions and recommendations.
  - 2. Recommended primers and accessories.
- B. Samples for initial selection.
- C. Samples for Verification: For each elastomeric coating indicated, for each color and texture required. Submit on step-coated sample cards with each coat labeled.
- D. Product Schedule: For each product, color, and finish indicated. Provide cross reference to application areas, utilizing designations indicated on Drawings and in specifications.

### 1.5 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For qualified applicator.
- B. Preconstruction compatibility and adhesion test reports.
- C. Manufacturer's instructions for installation and field quality control testing.
- D. Sealant, Waterproofing, and Restoration Institute (SWRI) Validation Certificate: For each coating specified to be validated by SWRI's Coating Validation Program.
- E. Field quality control adhesion test reports.
- F. Warranty: Sample of special warranty.

### 1.6 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials packaged for storage in unopened containers labeled with product name, color and texture information, and local source contact information.
  - 1. Provide [one] gallon of each type of product.

### 1.7 QUALITY ASSURANCE

- A. Applicator Qualifications: Employer of experienced applicators equipped and trained for application of elastomeric coatings required for this Project with record of successful completion of projects of similar scope.
- B. Single Source Responsibility: Provide elastomeric coatings and related silicone joint sealants by a single manufacturer through a single source.
- C. Mockups: Provide mockup of each coating system, color, and texture selected for approval by [Architect] [Owner]. Locate as indicated or as directed. Final approval of color and texture selections will be based upon mockups. Approved mockups may remain as part of finished work.

## 1.8 PROJECT CONDITIONS

- A. Do not install elastomeric coatings during inclement weather or when such conditions are expected. Allow wet surfaces to dry.
- B. Do not install elastomeric coatings when temperature is above 100 deg F (38 deg C) or below 20 deg F (-6 deg C).

## 1.9 WARRANTY

- A. Special Warranty, General: Manufacturer's standard project-specific form in which manufacturer agrees to repair or replace elastomeric coating that demonstrates deterioration or failure within warranty period specified due to material failure under normal use. Failure include water penetration through coating.
  - 1. Warranty Period: [Ten] years from date of Substantial Completion.

## PART 2 – PRODUCTS

### 2.1 MANUFACTURER

- A. Basis-of-Design Product: Provide elastomeric coatings manufactured by Dow Chemical Company., Midland MI; (877) SEALANT, (877) 732-5268; email: [construction@dow.com](mailto:construction@dow.com); website: [dow.com/construction](http://dow.com/construction) , [or comparable products of other manufacturer approved by [Architect] [Owner] in accordance with Instructions to Bidders and Division 01 General Requirements].

### 2.2 EXTERIOR FLAT WATERBORNE, PIGMENTED SILICONE ELASTOMERIC COATINGS

- A. Silicone Elastomeric Coating: Single-component, fluid-applied, water-based, pigmented silicone elastomer.
  - 1. Basis of Design Product: **DOWSIL™ AllGuard Silicone Elastomeric Coating.**
  - 2. Color: [As selected by Architect from manufacturer's full line] [Match Architect's custom color] for number of colors indicated.
  - 3. Surface Profile: [Smooth surface] [Fine textured].
  - 4. Volatile Organic Compound (VOC) Content: 4 g/L maximum.

5. Moisture-Vapor Transmission, ASTM D 1653: 43 perms, minimum.
6. Hardness, ASTM D 2240: 38 durometer Shore A.
7. Tensile Strength, ASTM D 412: 145 lbf/sq. in. (1.0 MPa), minimum.
8. Elongation, ASTM D 412: 600 percent, minimum.
9. Room Temperature Flexibility, ASTM D 522: 1/8 inch mandrel test; pass.
10. Low Temperature Flexibility, ASTM D 711: 1/4 inch mandrel test; pass.
11. Fungus Resistance, ASTM D 3274: No growth.
12. Mold Resistance, ASTM D 3273: No growth.
13. Solids Content, ASTM D 2369: Not less than 55 percent by weight.

## 2.3 ACCESSORY MATERIALS

- A. General: VOC content of primers and fillers, 107 g/L or less.
- B. Crack Fillers: Elastomeric coating manufacturer's recommended, factory-formulated crack fillers or sealants compatible with substrate and other materials.
- C. Primer: Elastomeric coating manufacturer's recommended, factory-formulated, alkali-resistant primer compatible with substrate and other materials indicated.
- D. Concrete Unit Masonry Block Filler: factory-formulated, high-performance latex block filler compatible with substrate and other materials indicated.

## PART 3 – EXECUTION

### 3.1 EXAMINATION

- A. Examine substrates to determine if work is ready to receive elastomeric coatings. Verify that surfaces are clean, dry, and free of frost, dust, dirt, grease, oil, curing compounds, form release agents, laitance, efflorescence, mildew, excess alkalinity, and other conditions affecting performance of work.
  1. Verify that new concrete and mortar to receive coating application has cured adequately in accordance with substrate and coating manufacturer's instructions.
- B. Preinstallation Testing: Prior to application of elastomeric coatings, perform the following tests to verify condition of substrate in accordance with manufacturer's instructions:
  1. Adhesion: Perform substrate field adhesion tests on each substrate to determine if primer is required to satisfactorily adhere elastomeric coatings to substrates.
  2. Alkalinity: Verify substrate is within alkalinity range acceptable to manufacturer.
  3. Moisture Level: Verify substrate moisture content is acceptable to manufacturer.
- C. Proceed with coating work once conditions meet elastomeric coating manufacturer's recommendations.

### 3.2 PREPARATION

- A. General: Comply with elastomeric coating manufacturer's written instructions for preparation of substrates.
- B. Hardware Removal: Remove hardware, accessories, plates, fixtures, and similar items that are not to be coated. If removal is not practical, provide protection for installed items prior to cleaning and preparation activities.
- C. Cleaning: Clean substrates to remove contaminants and foreign material by pressure cleaning, wire brushing, grinding or other method recommended by elastomeric coatings manufacturer.
- D. Substrate Repair: Repair deteriorated or damaged substrates, repair masonry joints, and fill cracks, voids, honeycomb, and other defects using materials as recommended by manufacturer. Allow patching materials to cure.
- E. Protection: Protect adjacent surfaces not designated to receive coatings. Provide protection for pedestrians, vehicles, landscaping, and surrounding areas to prevent contact with coating materials.

### 3.3 APPLICATION

- A. Primer: Apply primer to substrates where required based upon preinstallation testing and elastomeric coating manufacturer's recommendations, using application methods and rate of application recommended by manufacturer. Allow to dry prior to application of elastomeric coating.
  - 1. Apply block filler as primer on concrete masonry unit substrates where required to fill pores and provide smooth, continuous water-resistant finish coat(s).
- B. Elastomeric Coating: Apply elastomeric coating using application methods and rate of application recommended by manufacturer. Apply using nap roller, nylon brush, or airless sprayer, as allowed by authorities having jurisdiction.
  - 1. Apply elastomeric coating from top to bottom of substrate. Work down vertical surface and cover rundown in process. Avoid excessive overlapping.
  - 2. Apply coating free of cloudiness, spotting, laps, brush marks, roller tracks, and other surface imperfections. Cut in color breaks and terminations with sharp lines.
  - 3. Apply additional coats as required to provide cured film with uniform finish, color, and appearance.
  - 4. Provide a minimum of two coats of not less than 20 mil total wet film thickness (10 mil wet film thickness per coat) to provide finished dry film thickness of not less than 10 mils.
- C. Cleaning: Remove overspray and excess material using materials and methods approved by manufacturer that will not damage adjacent materials.
- D. Curing and Protection: Allow coatings to cure before exposure to traffic. Use test specimens formed at time of coating application to verify curing time. Prevent damage to coatings resulting from construction operations or other causes. Replace damaged coatings at time of Substantial Completion.

### 3.4 FIELD QUALITY CONTROL

- A. Owner may retain testing agency to perform the following tests:
  - 1. Verification that substrate preparation meets requirements.
  - 2. Testing and certification that coating materials comply with requirements.
  - 3. Testing of application for compliance with adhesion and film thickness requirements.
- B. If testing indicates products or work do not meet requirements, Owner may stop work and require Contractor to remove non-complying materials and materials applied over non-complying substrates, and correct application.

### 3.5 CLEANING AND PROTECTION

- A. Protect work of other trades against damage from application of elastomeric coatings.
- B. Remove rubbish and discarded materials from Project site daily. Clean overspray from adjacent surfaces as work progresses, using methods recommended by manufacturer.



- C. Remove temporary coverings and protection upon completion. Clean and repair adjacent surfaces damaged by water repellent application.
- D. Prior to substantial completion, touch up and restore damaged or defaced coated surface

END OF SECTION

Prepared for:

Solomon Elementary School District  
2250 South Stevens Avenue  
Solomon, Arizona 85551

**LIMITED ASBESTOS  
AND LEAD PAINT  
SURVEY REPORT**

**FOR**

**SOLOMON SCHOOL  
GYMNASIUM BUILDING  
HVAC DECK ROOFING AND EXTERIOR  
2250 SOUTH STEVENS AVENUE  
SOLOMON, ARIZONA 85551**

**PURCHASE ORDER NO. 18309**

Prepared by:



Dominion Environmental Consultants, Inc.  
20045 North 19<sup>th</sup> Avenue, Building 7  
Phoenix, Arizona 85027  
(623) 516-1415

Dominion Project Number: 1267.11

Inspection Date: March 2, 2018

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SECTION 1



LIMITATIONS

## **LIMITATIONS**

The conclusions and results contained herein are based solely on the information presented in this report. The sampling, testing, and observations described in the report represent conditions only at the specified times and locations. Additional materials or information which were hidden, undiscovered, inaccessible, or not a part of the findings presented herein, would result in the modification of the conclusions and recommendations made herein. Any response action guidelines are based solely on the findings contained herein. The response action guidelines are presented as a courtesy and are not to be considered a complete or detailed set of specifications. Dominion Environmental Consultants, Inc. (Dominion) performed this survey as directed by the client and in compliance with applicable regulations. The roofing materials installment and the application of paints can be substantially different for roofing systems, therefore may render different laboratory analytical results between samples.

Please note, with regard to laboratory analysis of suspect bulk asbestos-containing materials: The Environmental Protection Agency (EPA) Method 600/R-93-116, Polarized Light Microscopy (PLM) is used for the testing of bulk building materials for asbestos by performing a visual estimation. This method is the most widely used method for estimating asbestos in bulk building materials and works well for most sample types. However, it might require a more detailed method such as point counting for accurate estimation of asbestos in samples with low asbestos concentration. This method is also not applicable for samples containing large amounts of fine fibers below the resolution of the PLM (<0.3 microns). Typically, the asbestos fibers present in non-friable organically bound (NOB) materials are often less than 0.1 microns in diameter and therefore may cause the PLM method to yield low estimates or even false negative results.

Dominion suggests that Transmission Electron Microscopy (TEM) Chatfield Semi-Quantitative EPA Method 600/R-93-116 be used to confirm all negative results of NOB materials. This method is particularly useful to reduce the possibility of false negatives in NOBs and to provide additional quantitative data for samples which contain low levels of asbestos. The TEM method is available at additional cost and is done only at the client's request.

Dominion's scope of service did not include the inspection for, or identification of fungi, or any other hazardous or controlled substances not specifically identified herein.

Dominion is not responsible for the accuracy of information or services provided by others, or for conditions or consequences arising from relevant facts that were withheld, concealed, undiscovered, or not fully disclosed. Dominion is not a law firm and therefore, makes no representations regarding any potential liability of any person or entity for site conditions. Further, Dominion is not qualified to present medical advice. If any present or future health issues are in question, it is recommended that the findings in this report be presented to a qualified medical professional for evaluation.

## SECTION 2



## EXECUTIVE SUMMARY

## **EXECUTIVE SUMMARY**

### **INTRODUCTION**

This report presents the results of limited asbestos and limited lead paint chip inspection of the Gymnasium Building's HVAC Deck roofing and exterior at Solomon Elementary School, located at 2250 South Stevens Avenue in Solomon, Arizona. Per the direction of Mr. Mike Crow, with Solomon Elementary School District, Dominion was instructed to perform a limited AHERA style asbestos inspection and a limited lead paint chip inspection of building materials and painted substrates that will be affected during upcoming renovation activities. Dominion was authorized by Solomon Elementary School District to perform the limited asbestos and lead paint sampling via verbal authorization Purchase Order No. 18309 dated March 2, 2018.

### **ASBESTOS SAMPLING**

The limited asbestos inspection was conducted on March 2, 2018 by Mr. Matthew Janoski, an EPA-accredited AHERA Asbestos Building Inspector. Dominion was instructed to collect bulk samples of the outlined homogeneous materials and have the samples analyzed by a qualified laboratory for the presence of asbestos fibers.

A total of twenty-four (24) bulk samples were collected from nine (9) homogeneous materials, with multiple layers, within the exterior overhang and roofing of the east side of the Gymnasium Building were submitted to EMLab P&K (EMLab) for analysis, using Polarized Light Microscopy (PLM) methods. EMLab used the methods prescribed in Method 40 CFR, Part 763, in the Code of Federal Register in analyzing bulk samples. EMLab is certified by the National Institute of Standards and Technology as a National Voluntary Laboratory Accreditation Program (NVLAP), Number 500031-0. The suspect asbestos bulk samples were collected and submitted to the laboratory using established chain-of-custody procedures. Bulk samples were collected utilizing safety and health practices as required by the Occupational Safety and Health Administration (OSHA).

Identified in the following list are the nine (9) suspect homogeneous materials sampled during the limited asbestos inspection:

- Asphalt Roofing X-Section (Tar and Felt)
- Gray Roof Mastic
- Black Roof Mastic
- Tan Flashing Caulking
- Gray A/C Caulking
- Block
- Mortar for Block
- Concrete Support
- Concrete Slab

All nine (9) of the homogeneous materials sampled were reported by the laboratory using the PLM analysis method to be “none detected” for asbestos-content.

## **RECOMMENDATIONS**

If any un-sampled suspect building materials are discovered during the renovation project, those building materials should be properly sampled by a certified inspector and analyzed by a qualified laboratory prior to their disturbance.

## **LEAD PAINT CHIP SAMPLING**

Four (4) paint chip samples were collected from four (4) suspect painted substrates on the exterior of the Gymnasium Building at Solomon Elementary School. The paint chip samples were submitted to EMLab P&K (EMLab), for analysis using Flame Atomic Absorption Spectrometer method. EMLab is accredited by the American Industrial Hygiene Association for the analysis of lead in paint and soil (Laboratory ID:178697). The samples were collected and submitted to the laboratory using established chain-of-custody procedures.

The following suspect painted substrates were sampled during the limited lead paint inspection are listed below:

- White Wood Fascia Paint
- White Metal Support Paint
- White Concrete Column Paint
- White Handrail Paint

One (1) of the paint chip samples collected was reported by the laboratory to not contain lead above the laboratory detection limit.

As seen in the following chart, three (3) paint chip samples collected were reported by the laboratory to contain lead above the laboratory limit of detection:

Lead Paint	Location	Estimated Quantity of Material	Reading Detection Limit (ppm)	Lead Concentration (ppm)
White Metal Support Paint	Gym Building - East Exterior	60 sq. ft.	42	640
White Concrete Column Paint	Gym Building - East Exterior	360 sq. ft.	39	120
White Handrail Paint	Gym Building - East Exterior	30 sq. ft.	39	7,600

**Lead-Based Paint (LBP):** Paint that contains lead equal to or exceeding one milligram per square centimeter (1.0 mg/cm<sup>2</sup>) or 5,000 ppm (0.5% by weight).

**Lead-Containing Paint (LCP):** As defined by the Consumer Product Safety Commission, paint or other similar surface coating materials for consumer use that contain lead or lead compounds and in which the lead content (calculated as lead metal) is in excess of 0.009 percent by weight of the total nonvolatile content of the paint or the weight of the dried paint film (see 16 CFR 1303.1©).



## **LEAD RECOMMENDATIONS**

The following are the regulations, rulings and guidelines concerning lead paint. Some of the regulations are triggered by threshold amounts. Therefore, not all the regulations apply to the lead-based paint identified above.

**1980 - 40 CFR Part 260.** EPA/Resource Conservation and Recovery Act (RCRA) states that all potentially hazardous waste must be categorized before it is land filled. The waste categorization procedure for lead-containing/\*based materials is the Toxic Characterization Leaching Procedure (TCLP) that characterizes a lead-containing material that shows more than 5 parts per million (ppm) lead (Pb) in its Leachate as a RCRA lead-containing/\*based hazardous waste. The regulation also states there is no relationship between total lead in a material as determined by XRF or Atomic Absorption (AA) and leachable lead compounds; therefore, total lead content is no predictor of the probability of passing or failing the TCLP.

**1993 - 29 CFR Part 1926.62.** OSHA states that the presence of lead, regardless of amount, in paint makes it lead-containing/\*based material and subjects workers disturbing this material to OSHA prescribed work procedures.

**2012 - Department of Housing and Urban Development (HUD).** Current lead-containing/\*based paint hazard guidelines state that paint films that contain greater than 5,000 ppm lead must be classified as lead-containing/\*based paint for inspection and hazard assessment purposes. These guidelines incorporate OSHA's (29CFR1926.62) rules when considering any lead removal activities, and RCRA's (29CFR 261.24) requirements pertaining to disposal of and generated lead-containing/\*based wastes.

**1996 - 40 CFR Part 745.** EPA states that for lead-containing/\*based paint activities including; inspection, sampling, risk assessment and abatement, appropriate work practices are contained in various approved "Guidance Documents". Therefore, the work practices presented in the HUD 95 Guidelines for these activities, in general, can be followed in any type of building structure until they are superseded by future EPA regulations. This inclusion in 40 CFR, Part 745 by reference makes these guidelines regulatory in nature. This regulation also informs the party conducting lead paint removal activities that they are subject to the requirements of 40 CFR, Part 261.24 pertaining to the management of waste from lead abatement activity.

**2010 - 40 CFR Part 745 Revised USEPA Renovation, Repair, and Painting Rule.** All contractors working in homes, housing units, child care facilities (defined as a residential, public, or commercial building where children under age six are present on a regular basis), and schools built before 1978 must be USEPA certified and follow specific work practices to prevent lead contamination when working in such facilities. Project clearance testing by a third party is required by contractors to confirm that no dangerous levels of lead were release by the renovation, repair, or painting work.

Dominion recommends that the regulatory guidelines listed above are followed during any disturbance of the paint identified to contain lead. Any building materials identified with lead-containing/\*based paint that will be impacted during the renovation should be removed by a qualified lead-containing paint abatement. Dominion also recommends that the non-lead-containing paint building materials that are attached to a building material with lead-containing/based paint, be removed by a qualified lead-containing paint abatement contractor. The contractor should comply with all governing regulatory agencies having jurisdiction over lead-containing paint removal projects.

Solomon Elementary School District should retain the services of an independent lead-containing/based paint consulting firm to monitor the performance of the abatement contractor. The consulting firm should oversee the completeness of the lead-containing paint removal and verify the quality of the air during the removal work. The consultant should also document that the work was performed in compliance with the respective regulatory guidelines.



**Matthew Janoski**  
**AHERA Asbestos Building Inspector**  
AHERA Certificate Number: G 7023  
Expires: May 5, 2018

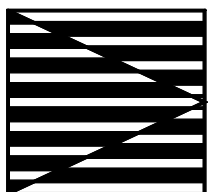
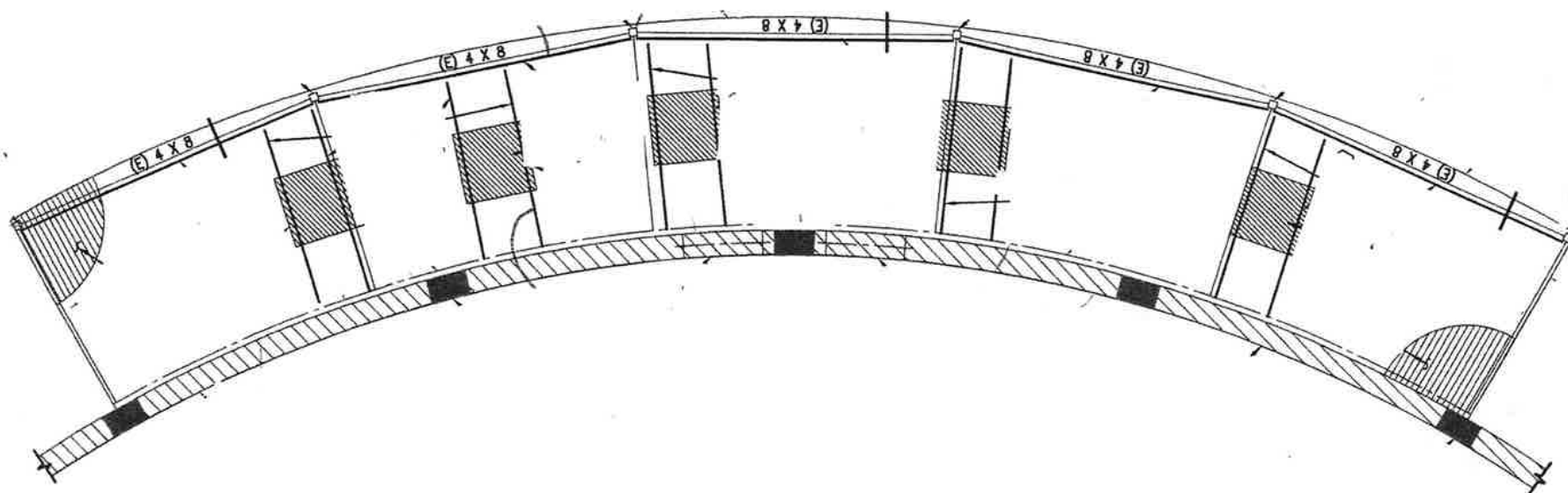
**EPA Lead Risk Assessor**  
U.S. EPA Certificate No. LBP-R-18931-1  
Expires: August 22, 2019

## SECTION 3



## SITE MAP

## Gymnasium Building



Site Map  
 Solomon Elementary School  
 2250 South Stevens Avenue, Solomon, Arizona 85551

Project No. 1267.11  
 Gymnasium Building  
 East Side

**Dominion Environmental Consultants, Inc.**

20045 North 19th Avenue, Building 7, Phoenix, Arizona 85027  
 Office (623) 516-1415 Fax (623) 516-0017

## SECTION 4



### ASBESTOS PLM BULK SAMPLE SUMMARY

**Dominion Environmental Consultants, Inc.**  
**PLM Bulk Sample Summary**

<b>Dominion Project Number: 1267.11</b>		<b>Client: Solomon Elementary School District</b>		
<b>Sample Date: March 2, 2018</b>		<b>Site: Solomon Elementary School - Gymnasium</b>		
<b>Sample Number</b>	<b>Material Description</b>	<b>Sample Location</b>	<b>Friable</b>	<b>Asbestos Content</b>
1267.11-PLM-1	Asphalt Roofing X-Section - Black Roofing Tar & Felt w/White Pebbles	Roof - South	No	None Detected
	Tar and Felt		No	None Detected
	Tar and Felt		No	None Detected
	Tar and Felt		No	None Detected
1267.11-PLM-2	Asphalt Roofing X-Section - Black Roofing Tar & Felt w/White Pebbles	Roof - North	No	None Detected
	Tar and Felt		No	None Detected
	Tar and Felt		No	None Detected
	Tar and Felt		No	None Detected
1267.11-PLM-3	Asphalt Roofing X-Section - Black Roofing Tar & Felt w/White Pebbles	Roof - North	No	None Detected
	Tar and Felt		No	None Detected
	Tar and Felt		No	None Detected
	Tar and Felt		No	None Detected
1267.11-PLM-4	Gray Roof Mastic	Roof - Southwest	No	None Detected
1267.11-PLM-5	Gray Roof Mastic	Roof - West - Center	No	None Detected
1267.11-PLM-6	Gray Roof Mastic	Roof - Northwest	No	None Detected
1267.11-PLM-7	Black Roof Mastic	Roof - Southwest	No	None Detected
1267.11-PLM-8	Black Roof Mastic	Roof - West - Center	No	None Detected
1267.11-PLM-9	Black Roof Mastic	Roof - Northwest	No	None Detected
1267.11-PLM-10	Tan Flashing Caulking	Exterior - Southwest	No	None Detected
1267.11-PLM-11	Tan Flashing Caulking	Exterior - West	No	None Detected
1267.11-PLM-12	Tan Flashing Caulking	Exterior - Northwest	No	None Detected
1267.11-PLM-13	Gray A/C Caulking	Roof - Southwest	No	None Detected
1267.11-PLM-14	Gray A/C Caulking	Roof - West - Center	No	None Detected
1267.11-PLM-15	Gray A/C Caulking	Roof - Northwest	No	None Detected

**Dominion Environmental Consultants, Inc.**  
**PLM Bulk Sample Summary**

<b>Dominion Project Number: 1267.11</b>		<b>Client: Solomon Elementary School District</b>		
<b>Sample Date: March 2, 2018</b>		<b>Site: Solomon Elementary School - Gymnasium</b>		
<b>Sample Number</b>	<b>Material Description</b>	<b>Sample Location</b>	<b>Friable</b>	<b>Asbestos Content</b>
1267.11-PLM-16	Block	Exterior - Southwest Corner	No	None Detected
	Mortar for Block		No	None Detected
1267.11-PLM-17	Block	Exterior - Northwest Corner	No	None Detected
	Mortar for Block		No	None Detected
1267.11-PLM-18	Block	Exterior - Southwest	No	None Detected
	Mortar for Block		No	None Detected
1267.11-PLM-19	Concrete Support	Exterior - Southwest Corner	No	None Detected
1267.11-PLM-20	Concrete Support	Exterior - Southwest	No	None Detected
1267.11-PLM-21	Concrete Support	Exterior - West - Center	No	None Detected
1267.11-PLM-22	Concrete Slab	Exterior- Southeast Corner	No	None Detected
1267.11-PLM-23	Concrete Slab	Exterior - Northeast Corner	No	None Detected
1267.11-PLM-24	Concrete Slab	Exterior - Northwest Corner	No	None Detected

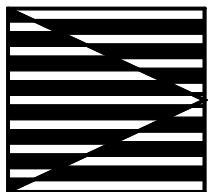
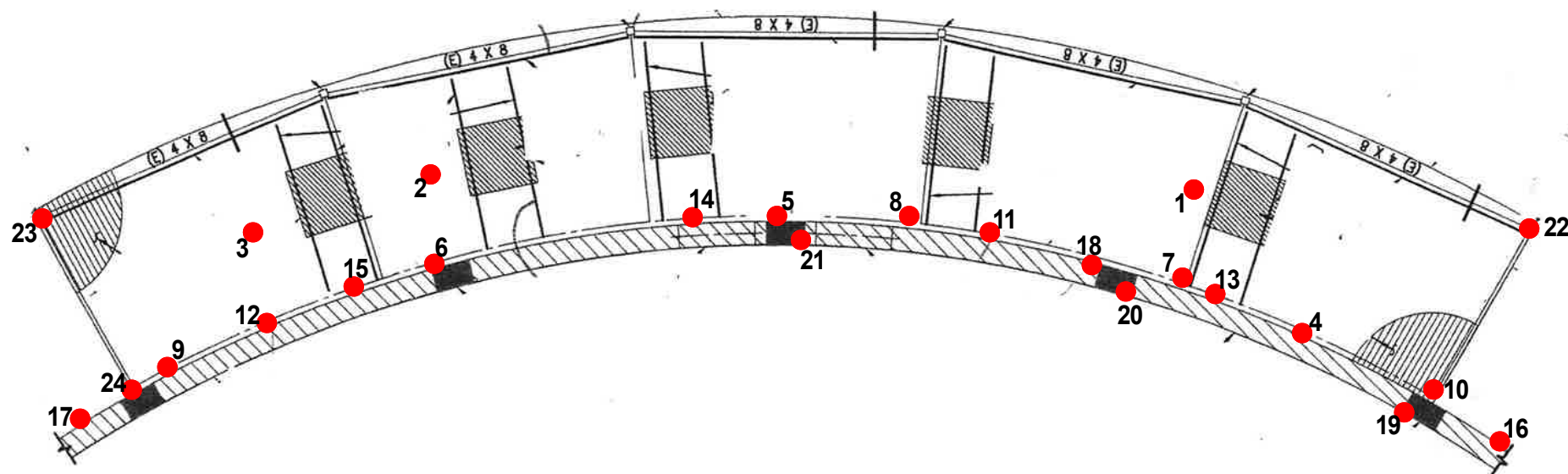
## SECTION 5



### ASBESTOS PLM BULK SAMPLE LOCATION MAP



## Gymnasium



PLM Bulk Sample Location Map  
 Solomon Elementary School  
 2250 South Stevens Avenue, Solomon, Arizona 85551

Project No. 1267.11  
 Gymnasium  
 East

# Dominion Environmental Consultants, Inc.

20045 North 19th Avenue, Building 7, Phoenix, AZ 85027 Office: (623) 516-1415 Fax: (623) 516-0017

SECTION 6



ASBESTOS PLM LABORATORY  
ANALYSIS REPORT



Report for:

**Mr. Matthew Janoski**  
**Dominion Environmental Consultants, Inc.**  
20045 N. 19th Ave, Bldg 7  
Phoenix, AZ 85027

---

Regarding: Project: 1267.11; Solomon Elementary  
EML ID: 1888756

Approved by:

Dates of Analysis:  
Asbestos PLM: 03-07-2018

Approved Signatory  
Renee Luna-Trepczynski

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 items 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.

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.

Client: Dominion Environmental Consultants, Inc.  
 C/O: Mr. Matthew Janoski  
 Re: 1267.11; Solomon Elementary

Date of Sampling: 03-02-2018  
 Date of Receipt: 03-05-2018  
 Date of Report: 03-07-2018

**ASBESTOS PLM REPORT****Total Samples Submitted:** 24**Total Samples Analyzed:** 24**Total Samples with Layer Asbestos Content > 1%:** 0**Location: PLM-1, Asphalt roofing X-section**

Lab ID-Version‡: 8864920-1

Sample Layers	Asbestos Content
Black Roofing Tar and Felt with White Pebbles	ND
Black Roofing Tar and Felt	ND
Black Roofing Tar and Felt	ND
Black Roofing Tar and Felt	ND
<b>Composite Non-Asbestos Content:</b>	7% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Poor

**Location: PLM-2, Asphalt roofing X-section**

Lab ID-Version‡: 8864921-1

Sample Layers	Asbestos Content
Black Roofing Tar and Felt with White Pebbles	ND
Black Roofing Tar and Felt	ND
Black Roofing Tar and Felt	ND
Black Roofing Tar and Felt	ND
<b>Composite Non-Asbestos Content:</b>	7% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Poor

**Location: PLM-3, Asphalt roofing X-section**

Lab ID-Version‡: 8864922-1

Sample Layers	Asbestos Content
Black Roofing Tar and Felt with White Pebbles	ND
Black Roofing Tar and Felt	ND
Black Roofing Tar and Felt	ND
Black Roofing Tar and Felt	ND
<b>Composite Non-Asbestos Content:</b>	7% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Poor

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 any agency of the federal government. EMLab P&K 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.

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".

Client: Dominion Environmental Consultants, Inc.  
C/O: Mr. Matthew Janoski  
Re: 1267.11; Solomon Elementary

Date of Sampling: 03-02-2018  
Date of Receipt: 03-05-2018  
Date of Report: 03-07-2018

**ASBESTOS PLM REPORT****Location: PLM-4, Gray roof mastic**

Lab ID-Version‡: 8864923-1

Sample Layers	Asbestos Content
Gray Roofing Mastic	ND
<b>Composite Non-Asbestos Content:</b>	10% Cellulose
<b>Sample Composite Homogeneity:</b>	Good

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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".

Client: Dominion Environmental Consultants, Inc.  
C/O: Mr. Matthew Janoski  
Re: 1267.11; Solomon Elementary

Date of Sampling: 03-02-2018  
Date of Receipt: 03-05-2018  
Date of Report: 03-07-2018

**ASBESTOS PLM REPORT****Location: PLM-5, Gray roof mastic**

Lab ID-Version‡: 8864924-1

Sample Layers	Asbestos Content
Gray Roofing Mastic	ND
<b>Composite Non-Asbestos Content:</b>	10% Cellulose
<b>Sample Composite Homogeneity:</b>	Good

**Location: PLM-6, Gray roof mastic**

Lab ID-Version‡: 8864925-1

Sample Layers	Asbestos Content
Gray Roofing Mastic	ND
<b>Composite Non-Asbestos Content:</b>	10% Cellulose
<b>Sample Composite Homogeneity:</b>	Good

**Location: PLM-7, Black roof mastic**

Lab ID-Version‡: 8864926-1

Sample Layers	Asbestos Content
Black Roofing Mastic	ND
<b>Sample Composite Homogeneity:</b>	Good

**Location: PLM-8, Black roof mastic**

Lab ID-Version‡: 8864927-1

Sample Layers	Asbestos Content
Black Roofing Mastic	ND
<b>Sample Composite Homogeneity:</b>	Good

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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".

Client: Dominion Environmental Consultants, Inc.  
C/O: Mr. Matthew Janoski  
Re: 1267.11; Solomon Elementary

Date of Sampling: 03-02-2018  
Date of Receipt: 03-05-2018  
Date of Report: 03-07-2018

**ASBESTOS PLM REPORT****Location: PLM-9, Black roof mastic**

Lab ID-Version‡: 8864928-1

Sample Layers	Asbestos Content
Black Roofing Mastic	ND
Sample Composite Homogeneity:	Good

**Location: PLM-10, Tan flashing caulking**

Lab ID-Version‡: 8864929-1

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

**Location: PLM-11, Tan flashing caulking**

Lab ID-Version‡: 8864930-1

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

**Location: PLM-12, Tan flashing caulking**

Lab ID-Version‡: 8864931-1

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

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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".

Client: Dominion Environmental Consultants, Inc.  
 C/O: Mr. Matthew Janoski  
 Re: 1267.11; Solomon Elementary

Date of Sampling: 03-02-2018  
 Date of Receipt: 03-05-2018  
 Date of Report: 03-07-2018

**ASBESTOS PLM REPORT****Location: PLM-13, Gray A/C caulking**

Lab ID-Version‡: 8864932-1

Sample Layers	Asbestos Content
Gray Caulk	ND
<b>Sample Composite Homogeneity:</b>	Good

**Location: PLM-14, Gray A/C caulking**

Lab ID-Version‡: 8864933-1

Sample Layers	Asbestos Content
Gray Caulk	ND
<b>Sample Composite Homogeneity:</b>	Good

**Location: PLM-15, Gray A/C caulking**

Lab ID-Version‡: 8864934-1

Sample Layers	Asbestos Content
Gray Caulk	ND
<b>Sample Composite Homogeneity:</b>	Good

**Location: PLM-16, Block and mortar**

Lab ID-Version‡: 8864935-1

Sample Layers	Asbestos Content
Gray Block	ND
Gray Mortar	ND
<b>Sample Composite Homogeneity:</b>	Moderate

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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".



Client: Dominion Environmental Consultants, Inc.  
C/O: Mr. Matthew Janoski  
Re: 1267.11; Solomon Elementary

Date of Sampling: 03-02-2018  
Date of Receipt: 03-05-2018  
Date of Report: 03-07-2018

**ASBESTOS PLM REPORT****Location: PLM-17, Block and mortar**

Lab ID-Version‡: 8864936-1

Sample Layers	Asbestos Content
Gray Block	ND
Gray Mortar	ND
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: PLM-18, Block and mortar**

Lab ID-Version‡: 8864937-1

Sample Layers	Asbestos Content
Gray Block	ND
Gray Mortar	ND
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: PLM-19, Concrete support**

Lab ID-Version‡: 8864938-1

Sample Layers	Asbestos Content
Gray Concrete	ND
<b>Sample Composite Homogeneity:</b>	Good

**Location: PLM-20, Concrete support**

Lab ID-Version‡: 8864939-1

Sample Layers	Asbestos Content
Gray Concrete	ND
<b>Sample Composite Homogeneity:</b>	Good

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‡ 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".

Client: Dominion Environmental Consultants, Inc.  
C/O: Mr. Matthew Janoski  
Re: 1267.11; Solomon Elementary

Date of Sampling: 03-02-2018  
Date of Receipt: 03-05-2018  
Date of Report: 03-07-2018

**ASBESTOS PLM REPORT****Location: PLM-21, Concrete support**

Lab ID-Version‡: 8864940-1

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

**Location: PLM-22, Concrete slab**

Lab ID-Version‡: 8864941-1

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

**Location: PLM-23, Concrete slab**

Lab ID-Version‡: 8864942-1

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

**Location: PLM-24, Concrete slab**

Lab ID-Version‡: 8864943-1

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

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‡ 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".

# CHAIN OF CUSTODY

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## EMLab P&K

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Phoenix, AZ: 1501 West Knauden Drive, Phoenix, AZ 85027 \* (800) 651-4802

SSF, CA: 6000 Shoreline Court, Suite 205, South San Francisco, CA 94080 \* (956) 868-6553

Weather	Fog	Rain	Snow	Wind	Clear
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Light	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Moderate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Heavy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



001888756

Non-Culturable	Spore Trap	Tape Swab Bulk	Requ
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Waves, Dull, Wax, Soil, Contact Plates	Requ
<input type="checkbox"/>	<input type="checkbox"/>

Relinquished By	Date & Time	Received By	Date & Time
<i>[Signature]</i>	3/5/18 10:30	2K Way	3/5/18 10:35

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### CONTACT INFORMATION

Company:	Dominion Environmental Consultants	Address: 20045 N. 19 <sup>th</sup> Ave. Bldg 7 Phoenix, AZ 85027
Contact:	Matthew Janoski	Special Instructions:
Phone:	623-516-1415	

### PROJECT INFORMATION

Project ID:	1267.11	TURN AROUND TIME CODES (TAT)
Project Description:	Soleman Elementary	STD - Standard (DEFAULT)
Project Zip Code:		ND - Next Business Day
PO Number:	217402	SD - Same Business Day Rush
	Sampling Date & Time: 3/2/18	WH - Weekend / Holiday
	Sampled By: <i>[Signature]</i>	

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume / Area (as applicable)	Notes (Time of day, Temp, RH, etc.)
PLM-1	Asphalt Roofing X-section	B	STD		
-2	└				
-3	└				
-4	Gray Roof Mastic				
-5	└				
-6	└				
-7	Black Roof Mastic				
-8	└				
-9	└				
-10	Ten Flashing Caulking				
-11	└				
-12	└				

### SAMPLE TYPE CODES

BC - BioCassette™	ST - Spore Trap: Zefon, Allergenco, Burkard ...	T - Tape	D - Dust
ATS - Anderson	P - Potable Water	SW - Swab	SG - Soil
SAS - Surface Air Sampler	NP - Non-Potable Water	B - Bulk	
CP - Contact Plate		O - Other:	

CHAIN OF CUSTODY  
www.EMLabPK.com



**EMLab P&K**  
A TestAmerica Company

New Jersey: 3000 Lincoln Drive East, Suite A, Marlton, NJ 08053 \* (866) 871-1984  
Phoenix: 47-5501 North...

Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 \* (800) 651-4802

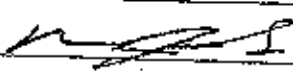
SSF, CA: 6000 Shoreline Court, Suite 205, South San Francisco, CA 94080 \* (650) 888-6853

Weather		Fog	Rain	Snow	Wind	Clear
Level	None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Light	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Moderate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Heavy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



001888756

## Über Regeln

CONTACT INFORMATION											
Company: Dominion Environmental Consultants		Address: 20045 N. 19 <sup>th</sup> Ave. Bldg 7 Phoenix, AZ 85027									
Contact: Matthew Tangsk		Special Instructions:									
Phone: 623-516-1415											
PROJECT INFORMATION					TURN AROUND TIME CODES (TAT)						
Project ID: 1267.11		STD - Standard (DEFAULT)			Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.						
Project Description:		ND - Next Business Day									
Project Zip Code:		SD - Same Business Day Rush									
PO Number:		WH - Weekend / Holiday									
Sample ID		Description		Sample Type (Below)	TAT (Above)	Total Volume / Area (as applicable)	Notes (Time of day, Temp, RH, etc.)				
9142-13	Gray A/C Caulking	B	STD								
-14	I										
-15	I										
-16	Black & Mortar										
-17	I										
-18	I										
-19	Concrete Support										
-20	I										
-21	I										
-22	Concrete Slab										
-23	I										
-24	I										
SAMPLE TYPE CODES					RELINQUISHED BY		DATE & TIME		RECEIVED BY		
BC - BioCassette™	ST - Spore Trap: Zefon, Allergenco, Burkard ...	T - Tape	D - Dust			3/5/18		22 Wynn		3/5/18	
AIS - Anderson	P - Potable Water	SW - Swab	SO - Soil								
SAS - Surface Air Sampler	NP - Non-Potable Water	B - Bulk									
CP - Contact Plate		O - Other:									
							10:30				

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SECTION 7



EPA NESHAP NOTIFICATION  
INFORMATION SHEET

## **EPA NESHAP NOTIFICATION INFORMATION SHEET**

Solomon Elementary School  
Gymnasium Building  
HVAC Deck Roofing and Exterior  
2250 South Stevens Avenue  
Solomon, Arizona 85551

Property Owner Solomon Elementary School District

Inspection Date March 2, 2018

Laboratory EMLab P&K

Number of Samples 24 PLM

Date Analyzed March 7, 2018

### **Inspector Certification**

Name	Matthew Janoski
Training Provider	The Asbestos Institute
AHERA Certificate Number	G 7023
Expiration Date	May 5, 2018

Note: The homogeneous materials sampled, were reported by the laboratory using the PLM analysis method to be “none detected” for asbestos content. The materials identified during the asbestos inspection were bulk sampled and no materials were assumed to contain asbestos.

## SECTION 8



### LEAD PAINT CHIP SAMPLE SUMMARY

**DOMINION ENVIRONMENTAL CONSULTANTS, INC.**  
**Paint Chip Sample Summary**

<b>Dominion Project Number: 1267.11</b>		<b>Client: Solomon Elementary School District</b>		
<b>Sample Date: March 2, 2018</b>		<b>Site: Solomon Elementary School - Gymnasium</b>		
<b>Sample Number</b>	<b>Sample Description</b>	<b>Sample Location</b>	<b>Reading Detection Limit</b>	<b>Lead Concentration</b>
1267.11-LPC-1	White Wood Fascia Paint	Roof - Southeast	39	<39 ppm
1267.11-LPC-2	White Metal Support Paint	Exterior - Southeast Corner	42	640 ppm
1267.11-LPC-3	White Concrete Column Paint	Exterior- Southwest Corner	39	120 ppm
1267.11-LPC-4	White Handrail Paint	Exterior - Southeast	38	7,600 ppm



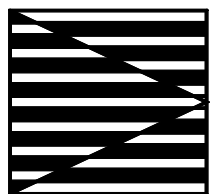
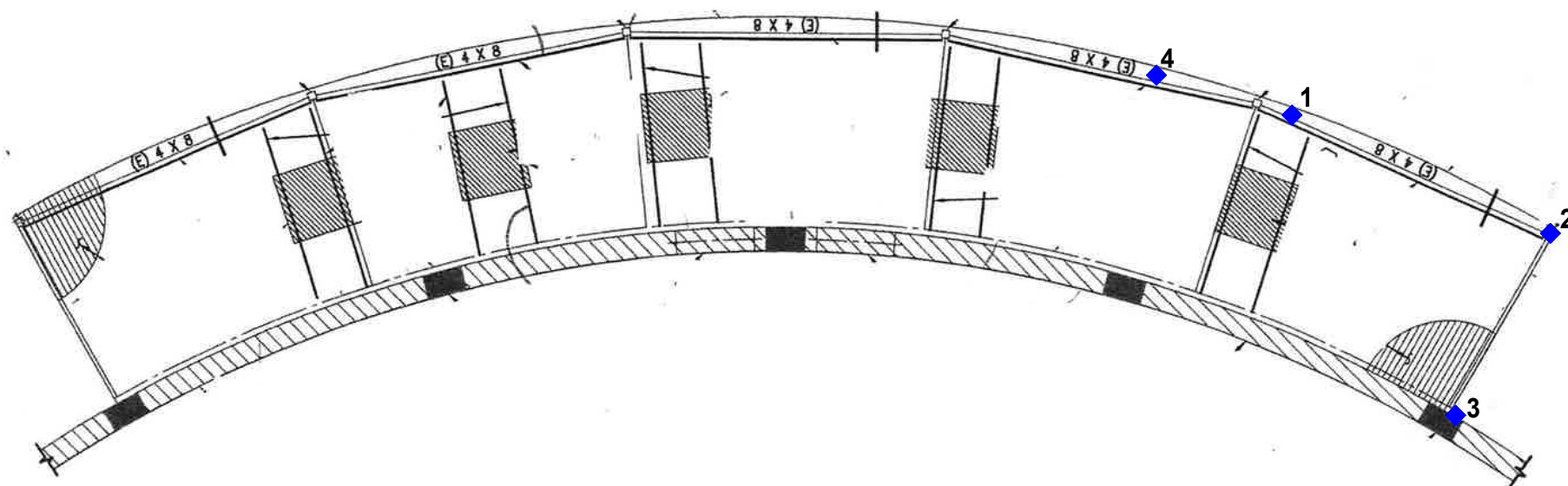
SECTION 9



LEAD PAINT CHIP SAMPLE  
LOCATION MAP



## Gymnasium



Lead Paint Chip Sample Location Map  
Solomon Elementary School  
2250 South Stevens Avenue, Solomon, Arizona 85551

Project No. 1267.11

Gymnasium

# Dominion Environmental Consultants, Inc.

20045 North 19th Avenue, Building 7, Phoenix, AZ 85027 Office: (623) 516-1415 Fax: (623) 516-0017

SECTION 10



LEAD PAINT CHIP LABORATORY  
ANALYSIS REPORT



Report for:

**Mr. Matthew Janoski**  
**Dominion Environmental Consultants, Inc.**  
20045 N. 19th Ave, Bldg 7  
Phoenix, AZ 85027

---

Regarding: Project: 1267.11; Solomon Elementary  
EML ID: 1888729

Approved by:

Dates of Analysis:  
Lead - Flame AA: 03-07-2018

Technical Manager  
Andrew Ikeda

Service SOPs: Lead - Flame AA (EM-BC-S-8443)  
AIHA-LAP, LLC accredited service, Lab ID #178697

---

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 items tested.

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.

EMLab P&K's LabServe® reporting system includes automated fail-safes to ensure that all AIHA-LAP, LLC quality requirements are met and notifications are added to reports when any quality steps remain pending.

Client: Dominion Environmental Consultants, Inc.  
C/O: Mr. Matthew Janoski  
Re: 1267.11; Solomon Elementary

Date of Sampling: 03-02-2018  
Date of Receipt: 03-05-2018  
Date of Report: 03-12-2018

**LEAD: FLAME ATOMIC ABSORPTION SPECTROMETRY**

Location:	LPC-1: White Wood Fascia Paint	LPC-2: White Metal Support Paint	LPC-3: White Concrete Column Paint	LPC-4: White Handrail Paint
Comments (see below)	None	None	None	None
Lab ID-Version‡:	8864768-1	8864769-1	8864770-1	8864771-1
Analysis Date:	03/07/2018	03/07/2018	03/07/2018	03/07/2018
Sample type	Paint Chip sample	Paint Chip sample	Paint Chip sample	Paint Chip sample
Method*	NIOSH 7082 & EPA 7000B modified	NIOSH 7082 & EPA 7000B modified	NIOSH 7082 & EPA 7000B modified	NIOSH 7082 & EPA 7000B modified
† Method Reporting Limit	39 ppm	42 ppm	39 ppm	38 ppm
Sample size	0.2595 grams	0.2373 grams	0.2592 grams	0.2608 grams
§ Total Lead Result	< 39 ppm	640 ppm	120 ppm	7600 ppm

**Comments:**

Sample results have not been corrected for blank values.

Bulk samples are not covered under the AIHA-LAP, LLC service accreditation.

Wipe samples must meet ASTM E1792 criteria. Method Reporting Limits may not be valid for non-ASTM E1792 wipe samples.

\*Sample preparation and analytical methods are based upon NIOSH 7082 and EPA 7000B.

† The Method Reporting Limit is the minimum concentration of Lead that the laboratory can confidently detect in the sample.

§ Total Lead Result has been rounded to two significant figures to reflect analytical precision.

‡ 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".

[www.ENLabPK.com](http://www.ENLabPK.com)



A TestAmerica Company

SSF, CA: 6000 Shoreline Court, Suite 205, South San Francisco, CA 94080 \* (866) 888-6653

Weather		Fog	Rain	Snow	Wind	Clear
Level	None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Light	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Moderate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Heavy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	




001888729

לימים:

S, Swab,  
Set Places

Other Request

CONTACT INFORMATION						
Company:	Dominion Environmental Consultants		Address: 20045 N. 19 <sup>th</sup> Ave. Bldg 7 Phoenix, AZ 85027			
Contact:	Matthew Janoski		Special Instructions:			
Phone:	623-516-1415					
PROJECT INFORMATION				TURN AROUND TIME CODES (TAT)		
Project ID:	1267.11			STD - Standard (DEFAULT)		Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.
Project Description:	Solomon Elementary			ND - Next Business Day		
Project Zip Code:		Sampling Date & Time:	3/2/18	SD - Same Business Day Rush		
PO Number:	217403	Sampled By:	10:30	WH - Weekend / Holiday		
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume / Area (as applicable)	Notes (Time of day, Temp, RH, etc.)	
1 - 1	White wood fence Paint	3	STD			
1 - 2	White metal Support Paint	1	1			
1 - 3	White Concrete Column Paint	1	1			
1 - 4	White Handrail Paint	1	1			
SAMPLE TYPE CODES				RELINQUISHED BY		DATE
BC - Bio Cassette™	ST - Spore Trap: Zefon, Allergenco, Burkard ...	T - Tape	D - Dust			3/5/18
A1S - Anderson		SW - Swab	SO - Soil			10:30
SAS - Surface Air Sampler	P - Potable Water	B - Bulk				
CP - Contact Plate	NP - Non-Potable Water	O - Other:				

Tr.		SOLIK		Act Plates	
		Fungi - Spore Trap Analysis			
		Spore Trap Analysis - Other particles			
		Direct Microscopic Exam (Qualitative)			
		Quantitative Spore Count Direct Exam			
		1-Media Surface Fungi (Genus ID + Asp. spp.)			
		2-Media Surface Fungi (Genus ID + Asp. spp.)			
		3-Media Surface Fungi (Genus ID + Asp. spp.)			
		Culturable Air Fungi (Genus ID + Asp. spp.)			
		Gram Stain & Counts (Culturable Air & Surface Bacteria)			
		Legionella culture			
		Total Coliform, E. coli (Presence/Absence)			
		Membrane Filtration (specify organism):			
		MPN Bacteria (specify organism):			
		QuantTray - Sewage Screen			
		Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)			
		Asbestos Analysis - PCM (EPA method 8400-R-93-116)			
		PCR (specify test):			
TIME	RECEIVED BY	DATE & TIME			
8:00	2 Kwang	3/5/18 1035			

By submitting this Chain of Custody, you agree to be bound by the terms and conditions set forth at <http://www.emlab.com/s/main/serviceterms.html>

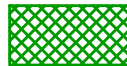
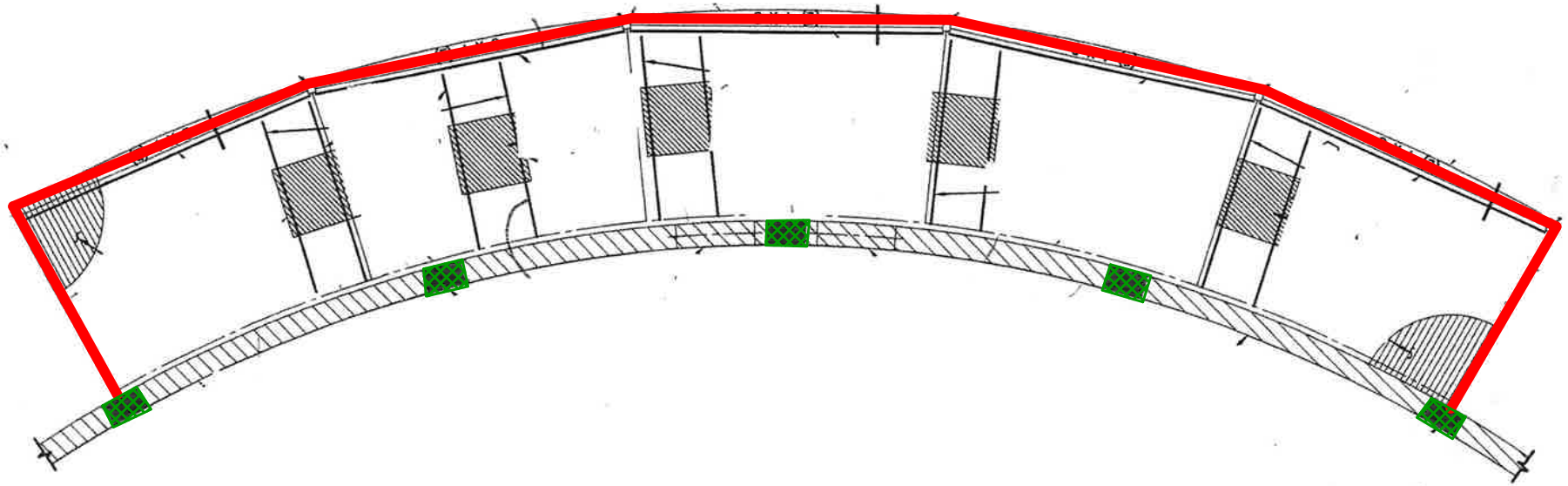
Copyright © 2015 E&E ab P&K

SECTION 11



LEAD-CONTAINING/LEAD-BASED PAINT  
LOCATION MAPS

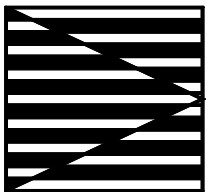
# Gymnasium



**Lead-Containing  
White Concrete Column Paint**



**Lead-Containing  
White Metal Support Paint**



Lead-Containing Paint Location Map (1 of 2)  
Solomon Elementary School  
2250 South Stevens Avenue, Solomon, Arizona 85551

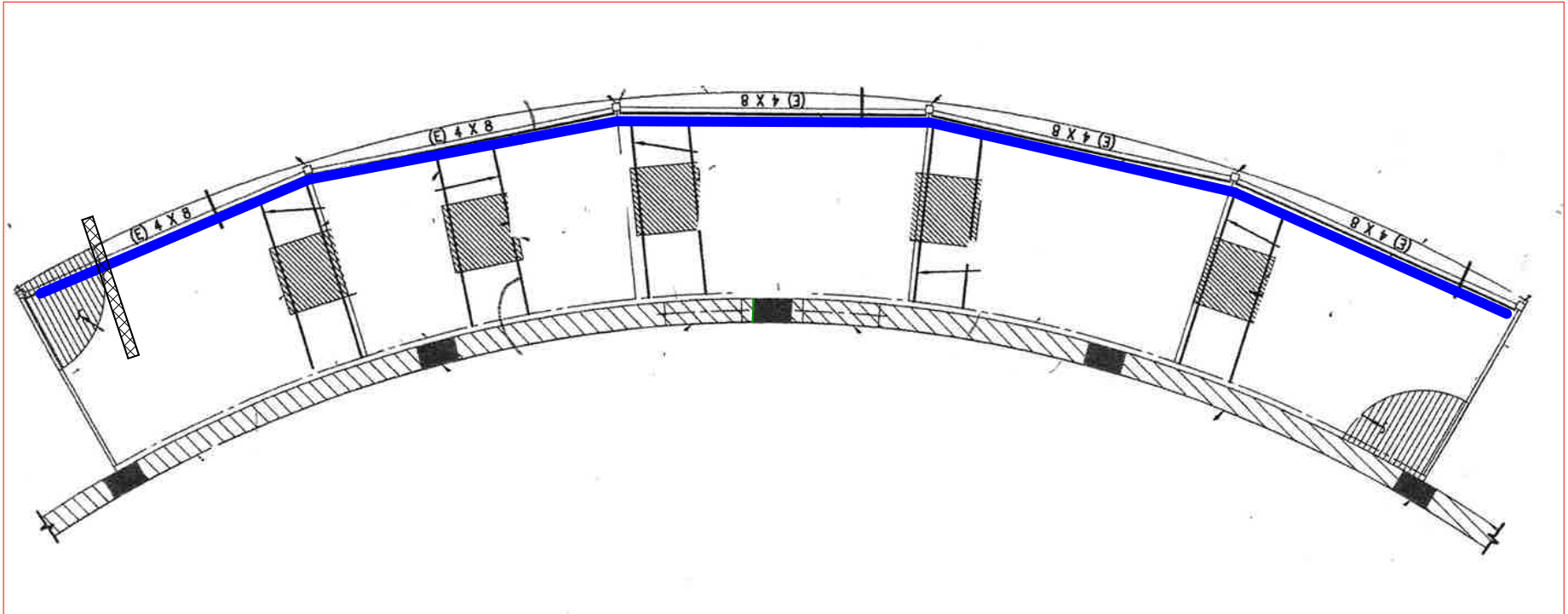
Project No. 1267.11

Gymnasium

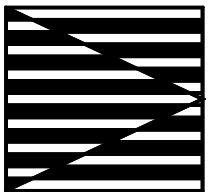
**Dominion Environmental Consultants, Inc.**  
20045 North 19th Avenue, Building 7, Phoenix, AZ 85027 Office: (623) 516-1415 Fax: (623) 516-0017



## Gymnasium



  
**Lead-Based  
White Handrail Paint**



Lead-Based Paint Location Map (2 of 2)  
Solomon Elementary School  
2250 South Stevens Avenue, Solomon, Arizona 85551

Project No. 1267.11

Gymnasium

**Dominion Environmental Consultants, Inc.**  
20045 North 19th Avenue, Building 7, Phoenix, AZ 85027 Office: (623) 516-1415 Fax: (623) 516-0017

## SECTION 12



## GENERAL NOTES/EXCLUSIONS

### **GENERAL NOTES/EXCLUSIONS**

- Mr. Mike Crow, with Solomon Elementary School District, outlined the areas and materials that are scheduled to be disturbed during the upcoming renovation activities, instructed Dominion to only collect samples of the outlined homogeneous materials and substrates, and have the samples analyzed by a qualified laboratory to determine asbestos and lead content.
- If any un-sampled suspect materials or painted substrates are discovered during the renovation activities those materials or substrates should be properly sampled by a certified inspector and analyzed by a qualified laboratory prior to their disturbance.

## SECTION 13



## INSPECTOR CERTIFICATIONS

---

# THE ASBESTOS INSTITUTE

Certifies that

**Matt Janoski**

has attended the EPA approved course

**AHERA Building Inspector Refresher**

**Approval Code: CA-089-06**

**May 5, 2017**

and successfully passed the competency exam.

Date of Examination: 05-May-2017

Date of Expiration: 05-May-2018



William T. Cavness  
Director



Approved Instructor

**THE ASBESTOS INSTITUTE**

20033 N. 19th Avenue

Building #6

Phoenix, AZ 85027

602-864-6564

# United States Environmental Protection Agency

This is to certify that

Matthew Michael Janoski



has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as:

Risk Assessor

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires August 22, 2019

LBP-R-18931-1

Certification #

August 08, 2016

Issued On



Adrienne Priselac, Manager, Toxics Office

Land Division

## SECTION 14



## LABORATORY CERTIFICATIONS



United States Department of Commerce  
National Institute of Standards and Technology



---

**Certificate of Accreditation to ISO/IEC 17025:2005**

---

**NVLAP LAB CODE: 500031-0**

**EMLab P&K**  
Phoenix, AZ

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

**Asbestos Fiber Analysis**

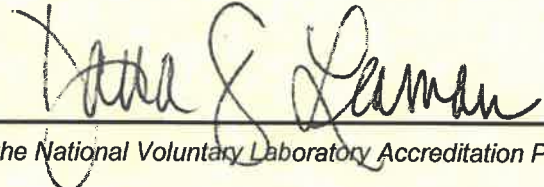
*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

---

2018-01-01 through 2018-12-31

*Effective Dates*



  
For the National Voluntary Laboratory Accreditation Program



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005**

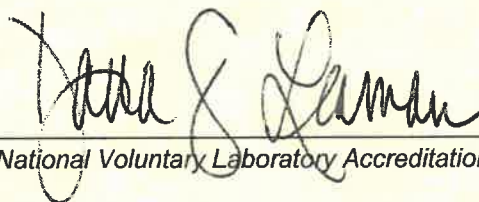
**EMLab P&K**  
1501 W. Knudsen Dr.  
Phoenix, AZ 85027-1307  
Mr. Dan Shelby  
Phone: 623-298-1015  
Email: [dshelby@emlabpk.com](mailto:dshelby@emlabpk.com)  
<http://www.emlab.com>

**ASBESTOS FIBER ANALYSIS**

**NVLAP LAB CODE 500031-0**

**Bulk Asbestos Analysis**

<u><b>Code</b></u>	<u><b>Description</b></u>
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials



*For the National Voluntary Laboratory Accreditation Program*



## AIHA Laboratory Accreditation Programs, LLC

*acknowledges that*

### **EMLab P&K, LLC.**

17461 Derian Ave. Suite 100, Irvine, CA 92614

Laboratory ID: 178697

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

### **LABORATORY ACCREDITATION PROGRAMS**

- ✓ **INDUSTRIAL HYGIENE**
- ✓ **ENVIRONMENTAL LEAD**
- ✓ **ENVIRONMENTAL MICROBIOLOGY**
- ☐ **FOOD**
- ☐ **UNIQUE SCOPES**

Accreditation Expires: August 01, 2017

Accreditation Expires: March 01, 2019

Accreditation Expires: August 01, 2017

Accreditation Expires:

Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website ([www.aihaaccreditedlabs.org](http://www.aihaaccreditedlabs.org)) for the most current Scope.

*William Walsh, CIH*  
Chairperson, Analytical Accreditation Board

*Cheryl O. Morton*  
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision 15: 03/30/2016

Date Issued: 02/28/2017



## AIHA Laboratory Accreditation Programs, LLC

### SCOPE OF ACCREDITATION

#### **EMLab P&K, LLC.**

17461 Derian Ave. Suite 100, Irvine, CA 92614

Laboratory ID: **178697**

Issue Date: 02/28/2017

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

The EPA recognizes the AIHA-LAP, LLC ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air and composited wipes analyses are not included as part of the NLLAP.

#### **Environmental Lead Laboratory Accreditation Program (ELLAP)**

**Initial Accreditation Date: 03/01/2017**

<b>Field of Testing (FoT)</b>	<b>Technology sub-type/ Detector</b>	<b>Method</b>	<b>Method Description (for internal methods only)</b>
<b>Paint</b>		EPA SW-846 7000B Modified	
		NIOSH 7082	
<b>Settled Dust by Wipe</b>		EPA SW-846 7000B Modified	
		NIOSH 7082	

A complete listing of currently accredited Environmental Lead laboratories is available on the AIHA-LAP, LLC website at: <http://www.aihaaccreditedlabs.org>