



ADDENDUM NO. 1

TO: All Registered Bidders
DATE: April 19, 2023
PROJECT: Little Lake City School District
2023 Painting Group 2
CONTACT: Jaime Velasquez, Ledesma & Meyer Construction Co., Inc.

This Addendum forms as part of the Contract Documents for the Project described above and shall supersede referenced sections of the original Bidding Documents. This Addendum is an integral part of said Bidding Documents and shall be acknowledged in the Contractor's Bid Proposal form. Failure to acknowledge receipt of this Addendum in the Bid may cause the Bid to be rejected.

This addendum is divided into six (6) parts: Instructions and Procedures, Project Manual, Project Specifications, Drawings, Other Documents, and Pre-Bid Questions.

I. INSTRUCTIONS AND PROCEDURES

1. The following changes, omissions and/or additions to the Bid Specification shall apply to proposals made for and to the execution of the various parts of the work affected thereby, and all other conditions shall remain the same.
2. Careful note of the Addendum shall be taken by all parties of interest so that the proper allowance may be made in all computations and estimates, and all trades affected shall be fully advised in the performance of the work which will be required of them.
3. In case of conflict between the Drawings, Specifications, and this Addendum, this Addendum shall govern.

II. PROJECT MANUAL

1. Document 00 03 00 – Bid Form: Remove and replace in its entirety (4 pages) labeled Addendum No. 1.
2. Document 00 06 62 – Contractor's Certificate Regarding Drug-Free Workplace: Add in its entirety (1 page) labeled Addendum No. 1.
3. Document 00 06 67 – Certificate Regarding Alcoholic Beverage and Tobacco-Free Campus Policy: Add in its entirety (1 page) labeled Addendum No. 1.
4. Document 01 01 10 – Work Scope Special Conditions: Add in its entirety (7 pages) labeled Addendum No. 1.



5. Document 01 21 00 – Allowance Section 3.1.1.1: Remove and replace with the following cash allowances:

Total Allowance for Painting Group 2 Sites: **\$50,000.00**

Breakdown per site as follows:

\$25,000.00 for Paddison ES

\$25,000.00 for Cresson ES

6. Document 01 21 00 – Allowance Section 3.1.2: Remove and replace with the following:

The Category Contractor and any Subcontractor shall be permitted to charge overhead and profit as per Supplemental General Conditions 00 80 00, Article 7.7.1. If any allowance amount (in whole or in part) is unused at any given point during the project, the Category Contractor shall credit back the full or unused portion of the allowance amount stipulated.

7. Document 01 31 00 – Schedule: Add in its entirety (1 page) labeled Addendum No. 1.

III. PROJECT SPECIFICATIONS

1. Specification 09 91 00 Painting: Remove and replace in its entirety (130 pages) labeled Addendum No. 1.

IV. DRAWINGS

PADDISON ELEMENTARY SCHOOL

1. Drawing PES.1: Remove and replace in its entirety (1 sheet) labeled Addendum No. 1.
 - Detail 4/PES.1: Color finish schedule materials and color name revisions.
 - Detail 5/PES.1: Language revisions as to finishes color.
 - PES.1 / Typ. Brick Bldg / Portables Notes: Clarification of structures that are to be painted.
 - PES.1 / Typ. Painting + Construction Notes: Language clarification on the new wood fascia to be used.

CRESSON ELEMENTARY SCHOOL

1. Drawing CES.1: Remove and replace in its entirety (1 sheet) labeled Addendum No. 1.
 - Detail 4/CES.1: Color finish schedule materials and color name revisions.
 - Detail 5/CES.1: Language revisions as to finishes color.
 - CES.1 / Typ. Brick Bldg / Portables Notes: Clarification of structures that are to be painted.
 - CES.1 / Typ. Painting + Construction Notes: Language clarification on the new wood fascia to be used.

V. OTHER DOCUMENTS

1. See attached Technical Specification – Hazardous Material Removal/Impact (296 pages) for Cresson Elementary School from Executive Environmental, dated April 18, 2023.



2. See attached Limited Asbestos Inspection Report (117 pages) for Cresson Elementary School from Executive Environmental, dated April 18, 2023.
3. See attached Limited Lead-Based Paint Inspection Report (42 pages) for Cresson Elementary School from Executive Environmental, dated April 18, 2023.
4. See attached Technical Specification – Hazardous Material Removal/Impact (270 pages) for Paddison Elementary School from Executive Environmental, dated April 17, 2023.
5. See attached Limited Asbestos Inspection Report (87 pages) for Paddison Elementary School from Executive Environmental, dated April 13, 2023.
6. See attached Limited Lead-Based Paint Inspection Report (52 pages) for Paddison Elementary School from Executive Environmental, dated April 13, 2023.

VI. PRE-BID QUESTIONS

None submitted.

END OF ADDENDUM

BID FORM

TO: **LITTLE LAKE CITY SCHOOL DISTRICT**, acting by and through its Governing Board, herein called "District".

FROM: _____
(Proper Name of Bidder)

Dept. of Industrial Relations Public Works Contractor Registration # _____

1. Pursuant to and in compliance with your Notice Inviting Bids and other documents relating thereto, the undersigned bidder, having familiarized himself with the terms of the contract, the local conditions affecting the performance of the contract and the cost of the work at the place where the work is to be done, hereby proposes and agrees to perform within the time stipulated, the contract, including all of its component parts, and everything required to be performed, including its acceptance by the District, and to provide and furnish any and all of the labor, materials, tools, expendable equipment, and all utility and transportation services necessary to perform the contract and complete in a workmanlike manner all of the work required in connection with the following:

Bid Category (s) _____ for the construction of the project known as **2023 PAINTING GROUP 2** in District described above, all in strict conformance with the drawings and other contract documents on file at the Business Office of said District for amounts set forth herein.

ADDENDA

The undersigned has thoroughly examined any and all Addenda (if any) issued during the bid period and is thoroughly familiar with all contents thereof and acknowledges receipt of the following Addenda: (Bidder to list all addenda).

Number	Number	Number	Number	Number	Number	Number	Number
_____	_____	_____	_____	_____	_____	_____	_____

3. **BASE BID** (Numerical)
(Not to include cost for Allowance) \$ _____

ALLOWANCE (Numerical)
(See Spec Section 01 20 10) \$ _____

TOTAL BASE BID & ALLOWANCE (Numerical) \$ _____

TOTAL BASE BID & ALLOWANCE (in Words) _____

_____ DOLLARS

4. **ALTERNATE BIDS**
The following amounts shall be added to or deducted from the Base Bid at the District's option. Alternates are fully described in Section 01 01 90 – Contract Considerations.

Alternate No. 1 = (add) (deduct) \$ _____

Alternate No. 2 = (add) (deduct) \$ _____

5. **TIME FOR COMPLETION:** The aggregate sum total work of all individual prime contractors to the District comprises the entire “Project” and shall be commenced and completed in conformance with the Project Construction Schedule. The entire Project shall be completed within **109 consecutive calendar days with Substantial Completion being completed within 71 consecutive calendar days.** Bidder acknowledges liability for liquidated damages in the amount stipulated in the Agreement, and not as a penalty, for each calendar day of the delay for which Contractor has contributed to or caused until the complete project is completed and accepted.
6. It is understood that the District reserves the right to reject this bid and that the Bid shall remain open to acceptance and is irrevocable for a period of **NINETY (90)** days.
7. The following documents are attached hereto:
 - i. Document 00 03 01 Bidder Questionnaire
IMPORTANT NOTICE: This project is subject to DIR Public Works Funding Legislation - SB 854. To bid on this Project, the Prime Bidder and all of Prime Bidder’s Subcontractors are required to be registered online as a “public works contractor” with the California Department of Industrial Relations at www.dir.ca.gov and each shall pay an annual non-refundable fee via credit card.
 - ii. Document 00 03 01-1 DIR Registration Verification
 - iii. Document 00 03 01-2 Acknowledgement of Bidding Practices Regarding Indemnity
 - iv. Document 00 04 10 Bid Bond
 - v. Document 00 04 30 Designation of Subcontractors. Bidder understands and acknowledges that all subcontractors providing goods and services in excess of \$100,000.00 must be bonded.
 - vi. Document 00 04 80 Non-collusion Declaration
 - vii. Document 00 04 90 Certification – Participation of Disabled Veteran Business Enterprises
8. **Site Visit Certification:**

By submission of this bid, the Bidder hereby certifies that it’s estimating, and management staff has visited the site of the proposed work and is fully acquainted with the conditions relating to construction and labor. Bidder fully understands the facilities, difficulties, and restrictions attending the execution of the work under contract and has also relayed is this information to all listed subcontractors and suppliers. Bidder fully indemnifies **LITTLE LAKE CITY SCHOOL DISTRICT**, the Architect, the Construction Manager and all of their respective officers, agents, employees, and consultants from any damage, or omissions, related to conditions that could have been identified during a visit to the site.
9. The Bidder specifically acknowledges and understands that if it is awarded the Contract, that it shall perform the Work of the Project while fully cooperating and complying with all of the applicable provisions of the District's labor compliance program. The undersigned Bidder hereby certifies that Bidder is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed on the Work.
10. Bidder expressly acknowledges that it is aware that if a false claim is knowingly submitted (as the terms “claims” and “knowingly” are defined in the California False Claims Act, CA Gov. Code,

§2650 et. Seq.), the District will be entitled to civil remedies set forth in the California False Claims Act. It may also be considered fraud and the Contractor may be subject to criminal prosecution.

11. It is understood and agreed that if written notice of the acceptance of this bid is mailed, telegraphed, or delivered to the undersigned after the opening of the bid, and within the time this bid is required to remain open, or at any time thereafter before this bid is withdrawn, the undersigned will execute and deliver to the District a contract in the form attached hereto in accordance with the bid as accepted, and that he will also furnish and deliver to the District **THREE (3)** executed copies of the Performance Bond and Payment Bond as specified, all within **FIVE (5)** days after receipt of Notice Of Award letter, and that the work under the contract shall be commenced by the undersigned bidder, if awarded the contract, on the date to be stated in the District's "Notice To Proceed", and shall be completed by the Contractor in the time specified in the contract documents.
12. Notice of Award letter or other correspondence should be addressed to the undersigned at the address stated below.
13. The names of all persons interested in the foregoing proposal as principals are as follows:

(IMPORTANT NOTICE: If bidder or other interested person is a corporation, state legal name of corporation, also names of the president, secretary treasurer, and manager thereof; if a co-partnership, state true name of firm, also names of all individual co-partners composing firm; if bidder or other interested person is an individual, state first and last names in full.)

14. The undersigned bidder declares that he or she is licensed in accordance with the act providing for registration of contractors and the documentation of licensure is as follows:

	License #	Classification	Expiration Date
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____

If the bidder is a joint venture, each member of the joint venture must include the above information.

The undersigned certifies (or declares) under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

15. In the event the bidder to whom Notice of Award is given fails or refuses to post the required bonds and return executed copies of the agreement form within **FIVE (5)** calendar days from the date of receiving the Notice of Award, the District may declare the Bidder's bid deposit or bond forfeited as damages.

16. Pursuant to Section 4552 of the Government code, in submitting a bid to the District, the bidder offers and agrees that if the bid is accepted, it will assign to District all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Section 15) or under the Cartwright Act (Chapter 2 (commencing with Section 16700) of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, materials, or services by the bidder for sale to the purchasing body pursuant to the bid. Such assignment shall be made and become effective at the time the purchasing body tenders final payment to the bidder.
17. Bidder hereby automatically certifies, by submission of this bid form, that Bidder is fully knowledgeable of and in full compliance with California Public Contract Code Sections 2201-2208 (AKA: Iran Contracting Act) by either Option #1 "Certification" or Option #2 "Exemption".

NAME _____

ADDRESS _____

NAME _____

ADDRESS _____

DATE: _____

PROPER NAME OF BIDDER

BY: _____
SIGNATURE OF BIDDER

BY: _____
SIGNATURE OF BIDDER

NOTE: If bidder is a corporation, the legal name of the corporation shall be set forth above together with the signature of authorized officers or agents and the document shall bear the corporate seal; if bidder is partnership, the true name of the firm shall be set forth above together with the signature of the partner or partners authorized to sign contracts on behalf of the partnership; and if bidder is an individual, his signature shall be placed above.

Street Address: _____

City, State, Zip Code: _____

Mailing Address: _____

City, State, Zip Code: _____

Telephone: FAX: _____

END OF DOCUMENT

CONTRACTOR'S CERTIFICATE REGARDING DRUG-FREE WORKPLACE

This Drug-Free Workplace Certification form is required from all successful bidders pursuant to the requirements mandated by Government Code Section 8350 et seq., the Drug-Free Workplace Act of 1990. The Drug-Free Workplace Act of 1990 requires that every person or organization awarded a contract or grant for the procurement of any property or service from any State agency must certify that it will provide a drug-free workplace by doing certain specified acts. In addition, the Act provides that each contract or grant awarded by a State agency may be subject to suspension of payments or termination of the contract or grant, and the contractor or grantee may be subject to debarment from future contracting, if the contracting agency determines that specified acts have occurred.

Pursuant to Government Code Section 8355, every person or organization awarded a contract or grant from a State agency shall certify that it will provide a drug-free workplace by doing all of the following:

- a) publishing a statement notifying employees that the unlawful manufacture, distribution, dispensation, possession or use of a controlled substance is prohibited in the person's or organization's workplace and specifying actions which will be taken against employees for violations of the prohibition;
- b) establishing a drug-free awareness program to inform employees about all of the following:
 - 1) the dangers of drug abuse in the workplace;
 - 2) the person's or organization's policy of maintaining a drug-free workplace;
 - 3) the availability of drug counseling, rehabilitation and employee-assistance programs;
 - 4) the penalties that may be imposed upon employees for drug abuse violations;
- c) requiring that each employee engaged in the performance of the contract or grant be given a copy of the statement required by subdivision (a) and that, as a condition of employment on the contract or grant, the employee agrees to abide by the terms of the statement.

I, the undersigned, agree to fulfill the terms and requirements of Government Code Section 8355 listed above and will publish a statement notifying employees concerning (a) the prohibition of controlled substance at the workplace, (b) establishing a drug-free awareness program, and requiring that each employee engaged in the performance of the contract be given a copy of the statement required by Section 8355 (a) and requiring that the employee agree to abide by the terms of that statement.

I also understand that if the DISTRICT determines that I have either (a) made a false certification herein, or (b) violated this certification by failing to carry out the requirements of Section 8355, that the contract awarded herein is subject to termination, suspension of payments, or both. I further understand that, should I violate the terms of the Drug-Free Workplace Act of 1990, I may be subject to debarment in accordance with the requirements of Section 8350 et seq.

I acknowledge that I am aware of the provisions of Government Code Section 8350 et seq. and hereby certify that I will adhere to the requirements of the Drug-Free Workplace Act of 1990.

Date: _____

Proper Name of Contractor: _____

Signature of Authorized Person: _____

Print Name: _____

Title: _____

END OF DOCUMENT

**CERTIFICATE REGARDING ALCOHOLIC BEVERAGE AND TOBACCO-FREE
CAMPUS POLICY**

The Trade Contractor agrees that it will abide by and implement the District's Alcoholic Beverage and Tobacco-Free Campus Policy prohibits the use of alcoholic beverages, vaping and tobacco products, of any kind and at any time, on District-owned or leased buildings, on District property and in District vehicles.

I acknowledge that I am aware of the District's policy regarding alcoholic beverages, vaping and tobacco-free environments at District sites, including the Project site and hereby certify that I will adhere to the requirements of that policy and not permit any of my firm's employees, agents, subcontractors, or my firm's subcontractors' employees or agents to use tobacco and/or smoke on the Project site.

DATE: _____

Trade Contractor

By: _____
Signature

END OF DOCUMENT

LITTLE LAKE CITY SCHOOL DISTRICT - 2023 PAINTING GROUP 2

WORK SCOPE SPECIAL CONDITIONS

CONTRACTOR CATEGORY NUMBER		
ITEM:	DESCRIPTION:	4
1	LMCCI has implemented Trimble Project Sight as the mandatory project documentation and processing program. Each awarded Category Contractor will be required to sign up for the free account in order to use the program to view documents through links forwarded by LMCCI, input Dailies, RFI's, etc. The program is free of charge and required for use on this project. Upon award of the contract an email will be sent to appropriate company contacts with a link to follow to join and create your account.	yes
2	Category Contractor shall not interfere with the normal, regular, or existing school hours and or school activities.	yes
3	This Category Contractor shall have full crews at each of the two (2) sites performing work during the called out 6 day work week. A single foreman for each site shall be assigned. This shall all be a part of this Category Contractors base bid.	yes
4	This Category Contractor shall assume all painted areas within the entire work scope for the two (2) sites contain lead and shall be treated as such. It is this Category Contractors responsibility to fully review and adhere to the Asbestos / Lead reports provided.	yes
5	Provide all project submittals no later than ten (10) calendar days after receipt of Notice of Award regardless of what any other particular specification may otherwise indicate. Category Contractor will need to provide at minimum (1) electronic PDF copy of each submittal submitted	yes
6	This Category Contractor shall provide and install a 6' high temporary fence on stands with green wind screen around the areas receiving site work prior to the start of construction. Continuously maintain temporary fencing for the duration of the project along with removal of fencing as directed by the Construction Manager. All costs associated with the installation, maintenance, monthly rental and removals (whether it be partial removals or entire removals) shall be included within your base bid.	yes
7	Properly protect existing improvements scheduled to remain when performing work within this category. This Category Contractor shall be responsible for any damages during construction shall be repaired at no additional cost to the district.	yes
8	Properly protect existing improvements scheduled to remain when performing work within this Category.	yes
9	All daily reports shall be turned into the Construction Manager on a daily basis.	yes

LITTLE LAKE CITY SCHOOL DISTRICT - 2023 PAINTING GROUP 2

WORK SCOPE SPECIAL CONDITIONS

CONTRACTOR CATEGORY NUMBER		
ITEM:	DESCRIPTION:	4
10	All deliveries, materials or equipment being moved between the construction area, shall be coordinated and approved by the Construction Manager prior to commencement.	yes
11	This Category Contractor shall include all site visits as requested by the Construction Manager with the purpose of coordinating.	yes
12	Utilize suitable equipment for traversing the site, hauling or relocating of materials, and/or erection of items within this Category regardless of soils conditions or grades at no additional cost or delay to the schedule.	yes
13	Category Contractors within this category shall pay and maintain cell phone numbers for their project foreman throughout the duration of this project.	yes
14	Provide all job verification and field measuring as needed and/or required to ensure that the work is coordinated and properly installed.	yes
15	Repair any and all finishes damaged as a result of the execution of the work in this Contractor Category.	yes
16	Provide daily site clean up to insure a clean, safe & accessible work environment.	yes
17	This Category Contractor shall provide a minimum of two (2) 55 gallon trash cans with liners to properly dispose of waste, trash, lunch trash and debris. Also within this Category Contractors base bid, provide (2) 40 yds trash containers. This shall also include procurement of all hauling, hauling permits and/or dump fees which may be required daily for the two (2) sites.	yes
18	This Category Contractor shall provide protection/prevention of wind damage to incomplete work or on-site stored materials.	yes
19	The protection against and prevention of heat damage to incomplete work or on-site stored materials is the responsibility of this Category Contractor	yes

LITTLE LAKE CITY SCHOOL DISTRICT - 2023 PAINTING GROUP 2

WORK SCOPE SPECIAL CONDITIONS

CONTRACTOR CATEGORY NUMBER		
ITEM:	DESCRIPTION:	4
20	Work scheduled shall consist of a (6) day (48) hour work week during the Summer 2023 and District holiday weekends. Construction work hours shall be between the hours of 7:00 AM and 4:00 PM (no access will be allowed on site before or after work hours) and shall constitute as a work day at the applicable prevailing wage rate(s). All weekends, holidays or irregular hours worked must be supervised by the Construction Manager and be in compliance with local ordinances. This Category Contractor shall be responsible for any costs incurred for District's supervision, repairs, tests and inspections (if required) if This Category Contractor's actions cause damages requiring District's remediation. The District nor the Construction Manager will be held responsible for these violations.	yes
21	This Category Contractor shall be responsible for cleaning, surface preparation, masking, one coat of exterior metal grade primer and coats of two exterior metal paint finish at all roof HVAC units and Bard AC units each of the two (2) sites.	yes
22	This Category Contractor shall be responsible for demolition and proper disposal for 1,000'sqft of existing lath and plaster for each of the two (2) sites as directed by the Construction Manager/District. Also within this Category Contractors base bid, shall be all labor, material and equipment necessary to provide 1,000'sqft of new lath/ stucco plaster, plaster accessories for each of the two (2) sites that will make it a complete code compliant system, one coat of primer and two coats of paint finish to match and or as directed by the Construction Manager/ District.	yes
23	This Category Contractor shall be responsible for 500' lineal feet of wood backing as needed for new work at each of the two sites. All material, labor, machinery and accessories needed to make this a complete and acceptable system shall be a part of this Category's base bid.	yes
24	This Category Contractor shall be responsible for any and all milling required to achieve a single, wide solid seamless fascia board at all locations receiving new fascia board.	yes
25	This Category Contractor shall be responsible for demolition / abatement of 500' lnft of additional 2X fascia board as directed by the Construction Manager / District for each of the two (2) sites. This Category Contractor shall also be responsible for procurement and installation of 500' lnft new 2X fascia board as directed by the Construction Manager / District for each of the two (2) sites. All hardware, equipment, materials and machinery necessary shall be this Category Contractors responsibility.	yes

LITTLE LAKE CITY SCHOOL DISTRICT - 2023 PAINTING GROUP 2

WORK SCOPE SPECIAL CONDITIONS

CONTRACTOR CATEGORY NUMBER		
ITEM:	DESCRIPTION:	4
26	This Category Contractor shall be responsible for demolition and legal disposal of existing portable siding (30pcs of 4'x10' T1-11) for each of the two (2) sites. This Category Contractor shall also be responsible for procurement and installation of 30pcs of new T1-11,	yes
27	This Category Contractor shall be responsible for one coat of primer and two coats of finish at all exterior conduits on walls, under eaves and roof tops.	yes
28	This Category Contractor shall be responsible for seamless caulk joints at all adjoining edges prior to primer and paint.	yes
29	This Category Contractor shall be responsible for one coat of primer and two coats of finish paint at all exterior doors, inside and out, all exterior window frames (apply new window putty as needed to fill voids), hand rails, metal hand rails, metal enclosures and all paintable exterior surfaces. This shall be all a part of this Category Contractor's base bid. .	yes
30	This Category Contractor shall clean and prep existing back pack hooks, followed with application of Urethan clear coating over hooks and back board. This shall be a part of this Category Contractors base bid.	yes
31	This Category Contractor shall be responsible for preparation, one coat of primer and two coats of finish for site concrete benches and concrete tables throughout the two (2) sites. This shall be a part of this Category's base bid.	yes
32	This Category Contractor shall be responsible for demolition and legal disposal for 400' lineal feet of portable lower skirting as directed by the Construction Manager/District. Also within this Category Contractors base bid, shall include all labor, equipment, machinery and material for installation of 400' lineal feet of new wood skirting to match existing, also as directed by the Construction Manager/District. This shall be at the two (2) sites.	yes
33	This Category Contractor shall be responsible for all labor and material to recoat existing portable entry ramps at each of the two (2) sites with an epoxy paint coating. This shall also include all preparation and clean up of said ramps.	yes

LITTLE LAKE CITY SCHOOL DISTRICT - 2023 PAINTING GROUP 2

WORK SCOPE SPECIAL CONDITIONS

CONTRACTOR CATEGORY NUMBER		
ITEM:	DESCRIPTION:	4
34	At no time will any contractor or sub contractor's drive or park on any concrete flatwork without the consent of the Construction Manager. It will be the contractor's responsibility to keep his employees, subcontractors, suppliers and company vehicles off said concrete. Any damages, tire marks or cracking found at anytime after the violation of this rule, will be full responsibility of this Category Contractor.	yes
35	Parking areas shall be designated by the Construction Manager.	yes
36	The Construction Manager will review and approve the placement of all temporary storage containers, trailers and stored materials.	yes
37	It shall be established that any materials delivered "Freight on Board" (FOB) shall be unloaded by the Category Contractor that is receiving these items, any discrepancy in quantities or any damage to any items must be acknowledged at the time of delivery. Any discrepancy in quantity or damage that goes unreported shall be the responsibility of the receiving Category Contractor to replace and/or repair.	yes
38	Provide all barricades, warning lights and signs & safety measures etc. required for the execution of the work within this Category. Provide all parking lot closures 48 hours in advanced to the Construction Manager.	yes
39	Provide adequate and proper fugitive dust control during all operations within this contract as required be applicable codes and/or ordinances. Comply with the South Coast Air Quality Management District (SCAQMD) for the Santa Fe Springs Western Region area. This includes but is not limited to Machinery, vehicular or foot traffic.	yes
40	All Contractors shall be familiar and comply with the South Coast Air Quality Management District (SCAQMD) standards for the Santa Fe Springs Western Region for the duration of the project.	yes
41	ALL references to "Architect" throughout the Project Manual and or Construction Documents shall be replaced with "Construction Manager".	yes
42	Provide all demo of the existing assemblies indicated to be demolished as per the Construction Documents.	yes

LITTLE LAKE CITY SCHOOL DISTRICT - 2023 PAINTING GROUP 2

WORK SCOPE SPECIAL CONDITIONS

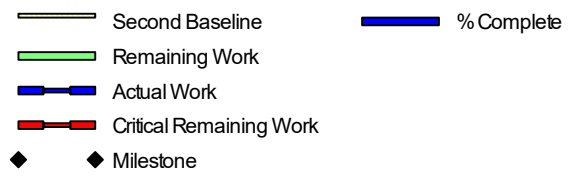
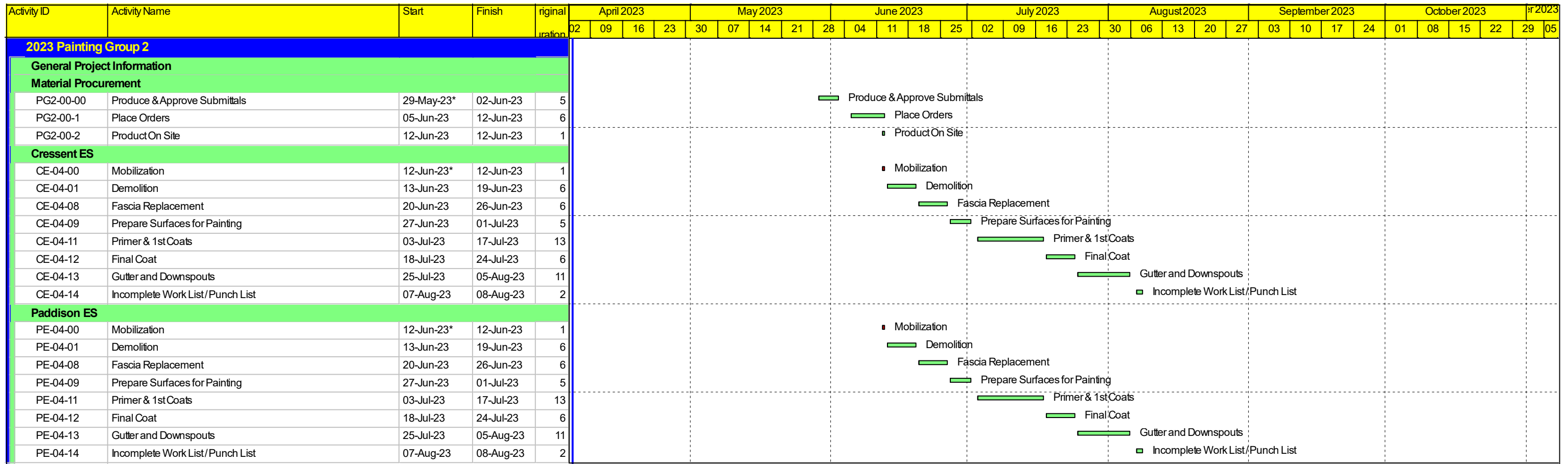
CONTRACTOR CATEGORY NUMBER		
ITEM:	DESCRIPTION:	4
43	Provide and maintain all temporary chemical toilets and temporary had wash stations for the duration of the project. A minimum of 2 toilets and 1 hand wash station for each of the two (2) sites shall be provided and may be adjusted based upon the quantity of manpower present on the jobsite and or as directed by the Construction Manager. Provide twice a week cleaning. Coordinate locations of temp toilets and hand wash stations with the Construction Manager.	yes
44	This Contractor shall verify and keep all existing systems fully operational as they execute the scope of work within this contract.	yes
45	This Category Contactor, when spraying primer or finish shall be responsible for the protection for other Building walls, finishes, finish products and vehicles in the general area. Category Contractor to keep a vigilant eye on wind speed and weather daily before spraying.	yes
46	Provide all Best Management Practices (BMP's) as required to meet all requirements for the Regional Storm Water Pollution Prevention and local governing jurisdiction.	yes
47	This Category Contractor is the project General Contractor and shall be solely responsible for ALL work as required for the complete project as specified within the Drawings, Specifications and Addenda's.	yes
48	If required, carefully remove and reinstall any chain link, ornamental iron and/or temporary fencing encountered while installing work and/or obtaining access to the work area in this category to the satisfaction of the Construction Manager. Fencing shall be repaired, relocated, and replaced on a daily basis to ensure continual site security and safety.	yes
49	This Category Contractor shall be responsible for 1,000' sqft of existing roofing system demolition as needed and or as directed by the Construction Manager / District. This Category Contractor shall also be responsible for installation of approx. 1,000 sqft of new roofing where work was performed. All labor and equipment to make a full water tight roofing systems as directed by the Construction Manager/District for each of the two (2) sites. Material shall match existing roofing color and quality.	yes
50	This Category Contractor shall be responsible for full pressure washing of all buildings, structures and apparatus that will receiving new paint. All gum, foreign objects and unacceptable surfaces will also be responsibility of this Category Contractor. Playground Equipment although not being painted must also be pressure washed and cleaned. This is applicable for each of the two (2) sites.	yes

LITTLE LAKE CITY SCHOOL DISTRICT - 2023 PAINTING GROUP 2

WORK SCOPE SPECIAL CONDITIONS

CONTRACTOR CATEGORY NUMBER		
ITEM:	DESCRIPTION:	4
51	This Category Contractor shall be responsible for preparation , primer and two coats of finish onto each flag pole at each of the two (2) sites. All labor, materials and equipment shall be this Category Contractors responsibility.	yes
52	This Category Contractor shall be responsible for primer and paint of ALL site canopy walk way undersides, where existing spray texture is currently installed. Removal or disturbance of the existing texture at canopy walk way undersides is not part of the work scope. Any disturbance performed by or under the contractors watch will be full responsibility of this Category Contractor to remedy. This shall be applicable at the two (2) sites shown within the contract documents.	yes
53	This Category Contractor shall be responsible for preparation, primer and two coats of finish onto the interior and exterior sides of ALL bldg. exterior doors. This is applicable for all bldgs. and portables onsite.	yes
54	This Category Contractor shall be responsible for any additional lead or asbestos testing above and beyond the testing that has already been performed and reported by the District. All cost, equipment and materials needed will be this Category Contractors full responsibility. No extension of time will be provided.	yes
55	This Category Contractor shall be responsible to restripe all path of travel concrete markings and exterior door radius concrete markings at each of the two (2) sites. All labor, materials and equipment shall be this Category Contractors responsibility.	yes
56	This Category Contractor shall be responsible to remove, disconnect, reinstall and reconnect any and all exterior wall or ceiling mounted fixtures prior to primer and finish. Removed finishes shall be lft in operational condtion.	yes

END OF SECTION



Document 01 31 00 - Schedule			
Date	Revision	Checked	Approved
19-Apr-23	Addendum No. 1		

SECTION 09 91 00
PAINTING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Surface preparation.
- B. Field application of paints.
- C. Scope: Finish exterior surfaces exposed to view, unless fully factory-finished and unless otherwise indicated, including the following:
 - 1. Exposed surfaces of steel lintels and ledge angles.
 - 2. Mechanical and Electrical:
 - a. On the roof and outdoors, paint equipment that is exposed to weather or to view, including factory-finished materials.
- D. Do Not Paint or Finish the Following Items:
 - 1. Items factory-finished unless otherwise indicated; materials and products having factory-applied primers are not considered factory finished.
 - 2. Items indicated to receive other finishes.
 - 3. Items indicated to remain unfinished.
 - 4. Fire rating labels, equipment serial number and capacity labels, and operating parts of equipment.
 - 5. Non-metallic roofing and flashing.
 - 6. Stainless steel, anodized aluminum, bronze, terne coated stainless steel, zinc, and lead.
 - 7. Floors, unless specifically indicated.
 - 8. Glass.
 - 9. Concrete masonry units in utility, mechanical, and electrical spaces.
 - 10. Concealed pipes, ducts, and conduits.

1.02 DEFINITIONS

- A. Comply with ASTM D16 for interpretation of terms used in this section.

1.03 REFERENCE STANDARDS

- A. AHRI 340/360 - Standard Specification for Corrugated Polyethylene Pipe, 300- to 1500 MM (12- to 60-in.) Diameter; 2013.
- B. ASTM D16 - Standard Terminology for Paint, Related Coatings, Materials, and Applications; 2016.

- C. CARB (SCM) - Suggested Control Measure for Architectural Coatings; California Air Resources Board; 2007.
- D. SCAQMD 1113 - Architectural Coatings; 1977 (Amended 2016).
- E. SSPC-SP 1 - Solvent Cleaning; 2015, with Editorial Revision (2016).
- F. SSPC-SP 2 - Hand Tool Cleaning; 2018.
- G. SSPC-SP 6 - Commercial Blast Cleaning; 2007.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide complete list of products to be used, with the following information for each:
 - 1. Manufacturer's name, product name and/or catalog number, and general product category (e.g. "alkyd enamel").
 - 2. MPI product number (e.g. MPI #47).
 - 3. Cross-reference to specified paint system(s) product is to be used in; include description of each system.
 - 4. Manufacturer's installation instructions.
 - 5. If proposal of substitutions is allowed under submittal procedures, explanation of substitutions proposed.
- C. Samples: Submit three paper "draw down" samples, 8-1/2 by 11 inches in size, illustrating range of colors available for each finishing product specified.
 - 1. Where sheen is specified, submit samples in only that sheen.
 - 2. Where sheen is not specified, discuss sheen options with Construction Manager before preparing samples, to eliminate sheens definitely not required.
- D. Certification: By manufacturer that paints and finishes comply with VOC limits specified.
- E. Manufacturer's Instructions: Indicate special surface preparation procedures.
- F. Maintenance Data: Submit data including finish schedule showing where each product/color/finish was used, product technical data sheets, material safety data sheets (MSDS), care and cleaning instructions, touch-up procedures, repair of painted and finished surfaces, and color samples of each color and finish used.
- G. Maintenance Materials: Furnish the following for District's use in maintenance of project.
 - 1. See Section 01 60 00 - Product Requirements, for additional provisions.
 - 2. Extra Paint and Finish Materials: 1 gallon of each color; from the same product run, store where directed.
 - 3. Label each container with color in addition to the manufacturer's label.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified, with minimum three years documented experience.
- B. Applicator Qualifications: Company specializing in performing the type of work specified with minimum three years documented experience and approved by manufacturer.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products to site in sealed and labeled containers; inspect to verify acceptability.
- B. Container Label: Include manufacturer's name, type of paint, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and reducing.
- C. Paint Materials: Store at minimum ambient temperature of 45 degrees F and a maximum of 90 degrees F, in ventilated area, and as required by manufacturer's instructions.

1.07 FIELD CONDITIONS

- A. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the paint product manufacturer.
- B. Follow manufacturer's recommended procedures for producing best results, including testing of substrates, moisture in substrates, and humidity and temperature limitations.
- C. Do not apply exterior paint and finishes during rain or snow, or when relative humidity is outside the humidity ranges required by the paint product manufacturer.
- D. Minimum Application Temperatures for Latex Paints: 50 degrees F for exterior, unless required otherwise by manufacturer's instructions.
- E. Provide lighting level of 80 ft candles measured mid-height at substrate surface.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Provide paints and finishes from the same manufacturer to the greatest extent possible.
 - 1. In the event that a single manufacturer cannot provide specified products, minor exceptions will be permitted provided approval by the Construction Manager is obtained using the specified procedures for substitutions.
 - 2. Substitution of other products by the same manufacturer is preferred over substitution of products by a different manufacturer.
- B. Paints:
 - 1. Dunn-Edwards Corporation: www.dunnedwards.com,
 - a. Local representative N/A
 - 2. Sherwin-Williams Company: www.sherwin-williams.com/#sle.
 - a. Local representative Ernesto Hernandez (424) 295-2090
- C. Primer Sealers: Same manufacturer as top coats.
- D. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 PAINTS AND FINISHES - GENERAL

- A. Paints and Finishes: Ready mixed, unless required to be a field-catalyzed paint.
 - 1. Provide paints and finishes of a soft paste consistency, capable of being readily and uniformly dispersed to a homogeneous coating, with good flow and brushing properties, and capable of drying or curing free of streaks or sags.

2. Provide materials that are compatible with one another and the substrates indicated under conditions of service and application, as demonstrated by manufacturer based on testing and field experience.
 3. For opaque finishes, tint each coat including primer coat and intermediate coats, one-half shade lighter than succeeding coat, with final finish coat as base color.
 4. Supply each paint material in quantity required to complete entire project's work from a single production run.
 5. Do not reduce, thin, or dilute paint or finishes or add materials unless such procedure is specifically described in manufacturer's product instructions.
- B. Volatile Organic Compound (VOC) Content: Comply with Section 01 61 16.
- C. Volatile Organic Compound (VOC) Content:
1. Provide paints and finishes that comply with the most stringent requirements specified in the following:
 - a. AHRI 340/360--National Volatile Organic Compound Emission Standards for Architectural Coatings.
 - b. SCAQMD 1113 Rule.
 - c. CARB (SCM).
 - d. Architectural coatings VOC limits of California.
 2. Determination of VOC Content: Testing and calculation in accordance with AHRI 340/360 (EPA Method 24), exclusive of colorants added to a tint base and water added at project site; or other method acceptable to authorities having jurisdiction.
- D. Flammability: Comply with applicable code for surface burning characteristics.
- E. Sheens: Provide the sheens specified; where sheen is not specified, sheen will be selected later by the Construction Manager from the manufacturer's full line.
- F. Colors: As indicated on drawings.
1. Extend colors to surface edges; colors may change at any edge as directed by the Construction Manager.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Do not begin application of paints and finishes until substrates have been properly prepared.
- B. Verify that surfaces are ready to receive work as instructed by the product manufacturer.
- C. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially effect proper application.
- D. Test shop-applied primer for compatibility with subsequent cover materials.
- E. Measure moisture content of surfaces using an electronic moisture meter. Do not apply finishes unless moisture content of surfaces are below the following maximums:
 1. Exterior Plaster and Stucco: 12 percent.
 2. Masonry, Concrete, and Concrete Masonry Units: 12 percent.

3.02 PREPARATION

- A. Clean surfaces thoroughly and correct defects prior to application.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- C. Remove or repair existing paints or finishes that exhibit surface defects.
- D. Remove or mask surface appurtenances, including electrical plates, hardware, light fixture trim, escutcheons, and fittings, prior to preparing surfaces for finishing.
- E. Seal surfaces that might cause bleed through or staining of topcoat.
- F. Remove mildew from impervious surfaces by scrubbing with solution of tetra-sodium phosphate and bleach. Rinse with clean water and allow surface to dry.
- G. Masonry:
 - 1. Remove efflorescence and chalk. Do not coat surfaces if moisture content or alkalinity of surfaces or if alkalinity of mortar joints exceed that permitted in manufacturer's written instructions. Allow to dry.
 - 2. Prepare surface as recommended by top coat manufacturer.
 - 3. Clean surfaces with pressurized water. Use pressure range of 600 to 1,500 psi at 6 to 12 inches. Allow to dry.
- H. Exterior Plaster: Fill hairline cracks, small holes, and imperfections with exterior patching plaster. Make smooth and flush with adjacent surfaces. Wash and neutralize high alkali surfaces.
- I. Galvanized Surfaces:
 - 1. Remove surface contamination and oils and wash with solvent according to SSPC-SP 1.
 - 2. Prepare surface according to SSPC-SP 2.
- J. Ferrous Metal:
 - 1. Solvent clean according to SSPC-SP 1.
 - 2. Shop-Primed Surfaces: Sand and scrape to remove loose primer and rust. Feather edges to make touch-up patches inconspicuous. Clean surfaces with solvent. Prime bare steel surfaces. Re-prime entire shop-primed item.
 - 3. Remove rust, loose mill scale, and other foreign substances using using methods recommended in writing by paint manufacturer and blast cleaning according to SSPC-SP 6 "Commercial Blast Cleaning". Protect from corrosion until coated.

3.03 APPLICATION

- A. Remove unfinished louvers, grilles, covers, and access panels on mechanical and electrical components and paint separately.
- B. Apply products in accordance with manufacturer's written instructions.
- C. Where adjacent sealant is to be painted, do not apply finish coats until sealant is applied.
- D. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.
- E. Apply each coat to uniform appearance.

- F. Dark Colors and Deep Clear Colors: Regardless of number of coats specified, apply additional coats until complete hide is achieved.
- G. Sand metal surfaces lightly between coats to achieve required finish.
- H. Vacuum clean surfaces of loose particles. Use tack cloth to remove dust and particles just prior to applying next coat.
- I. Reinstall electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing.

3.04 FIELD QUALITY CONTROL

- A. See Section 01 40 00 - Quality Requirements, for general requirements for field inspection.

3.05 CLEANING

- A. Collect waste material that could constitute a fire hazard, place in closed metal containers, and remove daily from site.

3.06 PROTECTION

- A. Protect finishes until completion of project.
- B. Touch-up damaged finishes after Substantial Completion.

END OF SECTION



SHERWIN-WILLIAMS®

Product Submittal

Little Lake School District - Repaint Projects

**LITTLE LAKE CITY
SCHOOL DIST.**

Presented By:

Ernesto Hernandez

Senior Commercial Sales Representative

(424) 295-2090

ernie.m.hernandez@sherwin.com

SHERWIN-WILLIAMS
11211 WASHINGTON BLVD
WHITTIER, CA 90606 3111
(562) 695-7500

April 19, 2023



SHERWIN-WILLIAMS®

Product Submittal

Project: Little Lake School District - Repaint Projects
Customer: LITTLE LAKE CITY SCHOOL DIST.
10515 PIONEER BLVD, SANTA FE SPGS, CA, 906703703
Owner: Little Lake City School District
10515 Pioneer Boulevard, Santa Fe Sprigs, CA, 90670

Thank you for considering Sherwin-Williams products for the Little Lake School District - Repaint Projects projects.

Included in this package is the Sherwin-Williams product submittal for the above referenced project.

Please contact me with any questions.

Thank you.

Ernesto Hernandez

Senior Commercial Sales Representative

(424) 295-2090

ernie.m.hernandez@sherwin.com

SHERWIN-WILLIAMS

11211 WASHINGTON BLVD, WHITTIER, CA 90606 3111



Exterior Finishes

Brick - Flat

Prime Bare Surfaces: LX02W0050 - Loxon Concrete and Masonry Primer

Topcoat: A06W00151 - A-100® Exterior Latex Flat

Brick - Semi Gloss

Prime Bare Surfaces: LX02W0050 - Loxon Concrete and Masonry Primer

Topcoat: A08W00151 - A-100® Exterior Latex Gloss

Notes: Product is a true semi gloss

Wood Fascia - Flat

Prime Bare Surfaces: B51W00620 - PrepRite® ProBlock® Interior/Exterior Latex Primer/Sealer White

Topcoat: A06W00151 - A-100® Exterior Latex Flat

Wood Fascia - Semi Gloss

Prime Bare Surfaces: B51W00620 - PrepRite® ProBlock® Interior/Exterior Latex Primer/Sealer White

Topcoat: A08W00151 - A-100® Exterior Latex Gloss

Notes: Product is a true semi gloss

Metal Doors and Door Frames - Semi Gloss

Prime Bare Metal: B66W01310 - Pro Industrial Pro Cryl Universal Metal Primer

Topcoat: B53W02151 - Pro Industrial Water Based Alkyd Urethane - Semi Gloss



SHERWIN-WILLIAMS

Basic Surface Preparation

Coating performance is directly affected by surface preparation. Coating integrity and service life will be reduced because of improperly prepared surfaces. As high as 80% of all coating failures can be directly attributed to inadequate surface preparation that affects coating adhesion. Proper product selection, surface preparation, and application affect coating performance. Coating integrity and service life will be reduced because of improperly prepared surfaces. Selection and implementation of proper surface preparation ensures coating adhesion to the substrate and prolongs the service life of the coating system.

The majority of paintable surfaces are concrete, ferrous metal, galvanizing, wood and aluminum. They all require protection to keep them from deteriorating in aggressive environments. Selection of the proper method for surface preparation depends on the substrate, the environment, the coating selected, and the expected service life of the coating system. Economics, surface contamination, and the effect on the substrate will also influence the selection of surface preparation methods. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Verify the existence of lead based paints on the project. Buildings constructed after 1978 are less likely to contain lead based paints. If lead based paints are suspected on the project, all removal must be done in accordance with the EPA Renovation, Repair and Painting and all applicable state and local regulations. State and local regulations may be more strict than those set under the federal regulations. Verify that Owner has completed a Hazardous Material Assessment Report for the project prior to issuing of Drawings. Concluding that no lead based paints were found on project site, delete paragraph regarding lead based paints.

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority. Removal must be done in accordance with EPA Renovation, Repair and Painting Rule and all related state and local regulations. Care should be taken to follow all state and local regulations which may be more strict than those set under the federal RRP Rule.

No exterior painting should be done immediately after a rain, during foggy weather, when rain is predicted, or when the temperature is below 50°F, unless the products to be used are designed to be used in those environments.

Aluminum – S-W 1: Remove all oil, grease, dirt, oxide and other foreign material by cleaning per SSPC-SP1, Solvent Cleaning.

Block (Cinder and Concrete) – S-W 3: Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement, and hardeners. Concrete and mortar must be cured at least 28 days at 75°F. The pH of the surface should be between 6 and 9. On tilt-up and poured-in-place concrete, commercial detergents and abrasive blasting may be necessary to prepare the surface. Fill bug holes, air pockets, and other voids with a cement patching compound (per ASTM D4261).

Brick – S-W 4: Must be free of dirt, loose and excess mortar, and foreign material. All brick should be allowed to weather for at least one year followed by wire brushing to remove efflorescence. Treat the bare brick with one coat of Loxon Conditioner.

Concrete and Masonry – Concrete, Poured – Exterior or Interior – S-W 5: The preparation of new concrete surfaces is as important as the surface preparation of steel. The following precautions will help assure maximum performance of the coating system and satisfactory coating adhesion:

1. Cure – Concrete must be cured prior to coating. Cured is generally defined as concrete poured and aged at a material temperature of at least 75°F for at least 28 days unless specified products are designed for earlier application.

2. Moisture – Reference ASTM F1869-98 Moisture Test by use of Calcium Chloride or ASTM D4263 Plastic Sheet Method. Concrete must be free from moisture as much as possible (it seldom falls below 15%). Vapor pressures, temperature, humidity, differentials, and hydrostatic pressures can cause coatings to prematurely fail. The source of moisture, if present, must be located, and the cause corrected prior to coating.

3. Temperature – Air, surface and material temperatures must be in keeping with requirements for the selected product during and after coating application, until coating is cured.

4. Contamination – Remove all grease, dirt, paint, oil, laitance, efflorescence, loose mortar, and cement by the recommendations listed in the surface preparation section.

5. Surface Condition – Hollow areas, bug holes, voids, honeycombs, fin form marks, and all protrusions or rough edges are to be ground or stoned to provide a continuous surface of suitable texture for proper adhesion of the coating. Imperfections may require filling, as specified, with a recommended Sherwin-Williams product.

6. Concrete Treatment – Hardeners, sealers, form release agents, curing compounds, and other concrete treatments should be removed to ensure adequate coating adhesion and performance.

Methods of Surface Preparation on Concrete per SSPC-SP13/NACE 6 or ICRI 03732 Surface Cleaning Methods: Vacuum cleaning, air blast cleaning, and water cleaning per ASTM D4258.

Used to remove dirt, loose material, and/or dust from concrete.

Detergent water cleaning and steam cleaning per ASTM D4258.

Used to remove oils and grease from concrete. Prior to abrasive cleaning, and after abrasive cleaning, surfaces should be cleaned by one of the methods described above.

Mechanical Surface Preparation Methods:

Dry abrasive blasting, wet abrasive blasting, vacuum assisted abrasive blasting, and centrifugal shot abrasive blasting per ASTM D4259. Used to remove contaminants, laitance, and weak concrete, to expose subsurface voids, and to produce a sound concrete surface with adequate profile and surface porosity.

High-pressure water cleaning or water jetting per SSPC-SP12-NACE5.

Used to remove contaminants, laitance, and weak concrete, to expose subsurface voids, and to produce a sound concrete surface with adequate profile and surface porosity.

Impact tool methods per ASTM D4259.

Used to remove existing coatings, laitance, and weak concrete. Methods include scarifying, planing, scabbling, and rotary peening. Impact tools may fracture concrete surfaces or cause microcracking requiring surface repair.

Power tool methods per ASTM D4259.

Used to remove existing coatings, laitance, weak concrete, and protrusions in concrete. Methods include circular grinding, sanding, and wire brushing. These methods may not produce the required surface profile to ensure adequate adhesion of subsequent coatings.

Chemical Surface Preparation Methods:

Acid etching per ASTM D4260. Use to remove some surface contaminants, laitance, and weak concrete, and to provide a surface profile on horizontal concrete surfaces. This method requires complete removal of all reaction products and pH testing to ensure neutralization of the acid. Not recommended for vertical surfaces. Etching with hydrochloric acid shall not be used where corrosion of metal in the concrete is likely to occur. Adequate ventilation and safety equipment required.

1. Clean surface per ASTM D4268
2. Wet surface with clean water
3. Etch with 10-15% muriatic acid solution at the rate of 1 gallon per 75 square feet
4. Scrub with stiff brush
5. Allow sufficient time for scrubbing and until bubbling stops
6. If no bubbling occurs, surface is contaminated. Refer to ASTM D4258 or ASTM D4259
7. Rinse surface two or three times. Remove acid/water each time.
8. Surface should have a texture similar to medium grit sandpaper.
9. Neutralize surface with a 3% solution of tri-sodium phosphate and flush with clean water.
10. Allow to dry and check for excess moisture.

Cement Composition Siding/Panels – S-W 6: Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Pressure clean, if needed, with a minimum of 2100 psi pressure to remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, and peeling or defective coatings. Allow the surface to dry thoroughly. If the surface is new, test it for pH, many times the pH may be 10 or higher.

Composition Board (Hardboard) – S-W 9: Some composition boards may exude a waxy material that must be removed with a solvent prior to coating. Whether factory primed or unprimed, exterior composition board siding (hardboard) must be cleaned thoroughly and primed with an alkyl primer.

Copper – S-W 7: Remove all oil, grease, dirt, oxide and other foreign material by cleaning per SSPC-SP2, Hand Tool Cleaning.

Drywall—Interior and Exterior – S-W 8: Must be clean and dry. All nail heads must be set and spackled. Joints must be taped and covered with a joint compound. Spackled nail heads and tape joints must be sanded smooth and all dust removed prior to painting. Exterior surfaces must be spackled with exterior grade compounds.

Galvanized Metal – S-W 10: Allow to weather a minimum of 6 months prior to coating. Clean per SSPC-SP1 using detergent and water or a degreasing cleaner, then prime as required. When weathering is not possible or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test area, priming as required. Allow the coating to dry at least one week before testing. If adhesion is poor, Brush Blast per SSPC-SP16 is necessary to remove these treatments.

Plaster – S-W 11: Must be allowed to dry thoroughly for at least 30 days before painting. Room must be ventilated while drying; in cold, damp weather, rooms must be heated. Damaged areas must be repaired with an appropriate patching material. Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with clear water and allow to dry.

Steel/Ferrous Metal Substrates

SSPC-SP1- Solvent Cleaning: Solvent cleaning is a method for removing all visible oil, grease, soil, drawing and cutting compounds, and other soluble contaminants. Solvent cleaning does not remove rust or mill scale. Change rags and cleaning solution frequently so that deposits of oil and grease are not spread over additional areas in the cleaning process. Be sure to allow adequate ventilation. Follow manufacturer's safety recommendations when using solvents. For complete instructions, refer to Steel Structures Paint Council Surface Preparation Specification No.1. (Refer to each products cleaning instructions. Many acrylic coatings will state; When cleaning the surface per SSPC-SP1, use only an emulsifying industrial detergent, followed by a water rinse. **Do not use hydrocarbon solvents for cleaning.**)

SSPC-SP2 - Hand Tool Cleaning: Hand Tool Cleaning removes all loose mill scale, loose rust, and other detrimental foreign matter. It is not intended that adherent mill scale, rust, and paint be removed by this process. Mil scale, rust, and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before hand tool cleaning, remove visible oil, grease, soluble welding residues, and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Steel Structures Paint Council Surface Preparation Specification No.2.

SSPC-SP3 - Power Tool Cleaning: Power Tool Cleaning removes all loose mill scale, loose rust, and other detrimental foreign matter. It is not intended that adherent mill scale, rust, and paint be removed by this process. Mil scale, rust, and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before power tool cleaning, remove visible oil, grease, soluble welding residues, and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Steel Structures Paint Council Surface Preparation Specification No.3.

SSPC-SP5 / NACE 1 - White Metal Blast Cleaning: A White Metal Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products, and other foreign matter. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP5/ NACE No.1.

SSPC-SP6 / NACE 3 - Commercial Blast Cleaning: A Commercial Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products, and other foreign matter, except for staining. Staining shall be limited to no more than 33 percent of each square inch of surface area and may consist of light shadows, slight streaks, or minor discoloration caused by stains of rust, stains of mill scale, or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP6/NACE No.3.

SSPC-SP7 / NACE 4 - Brush-Off Blast Cleaning: A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust, and loose paint. Tightly adherent mill scale, rust, and paint may remain on the surface. Mil scale, rust, and coating are considered adherent if they cannot be removed by lifting with a dull putty knife. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP7/NACE No.4.

SSPC-SP10 / NACE 2 - Near-White Blast Cleaning: A Near White Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products, and other foreign matter, except for staining. Staining shall be limited to no more than 5 percent of each square inch of surface area and may consist of light shadows, slight streaks, or minor discoloration caused by stains of rust, stains of mill scale, or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPCSP10/ NACE No.2.

SSPC-SP11 - Power Tool Cleaning to Bare Metal: Metallic surfaces that are prepared according to this specification, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxide corrosion products, and other foreign matter. Slight residues of rust and paint may be left in the lower portions of pits if the original surface is pitted. Prior to power tool surface preparation, remove visible deposits of oil or grease by any of the methods specified in SSPC-SP 1, Solvent Cleaning, or other agreed upon methods. For complete instructions, refer to Steel Structures Paint Council Surface Preparation Specification No.11.

SSPC-SP12 / NACE 5 - Surface Preparation and Cleaning of Metals by Waterjetting Prior to Recoating: High- and Ultra-High Pressure Water Jetting for Steel and Other Hard Materials This standard provides requirements for the use of high- and ultra-high pressure water jetting to achieve various degrees of surface cleanliness. This standard is limited in scope to the use of water only, without the addition of solid particles in the stream. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP12/NACE No.5.

SSPC-SP13 / NACE 6 or ICRI 03732 - Surface Preparation of Concrete: This standard gives requirements for surface preparation of concrete by mechanical, chemical, or thermal methods prior to the application of bonded protective coating or lining systems. The requirements of this standard are applicable to all types of cementitious surfaces including cast-in-place concrete floors and walls, precast slabs, masonry walls and shotcrete surfaces. An acceptable prepared concrete surface should be free of contaminants, laitance, loosely adhering concrete, and dust, and should provide a dry, sound, uniform substrate suitable for the application of protective coating or lining systems. Depending upon the desired finish and system, a block filler may be required. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP13/NACE No.6 or ICRI 03732

SSPC-SP14 / NACE 8 – Industrial Blast Cleaning: This standard gives requirements for industrial blast cleaning of unpainted or painted steel surfaces by the use of abrasives. This joint standard allows defined quantities of mill scale and/or old coating to remain on the surface. An industrial blast cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dust, and dirt. Traces of tightly adherent mill scale, rust, and coating residue are permitted to remain on 10% of each unit area of the surface. The traces of mill scale, rust, and coating shall be considered tightly adherent if they cannot be lifted with a dull putty knife. Shadows, streaks, and discolorations caused by stains of rust, stains of mill scale, and stains of previously applied coating may be present on the remainder of the surface.

SSPC-SP16 Brush-Off Blast Cleaning of Coated and Uncoated Galvanized Steel, Stainless Steels, and Non-Ferrous Metals: This standard covers the requirements for brush-off blast cleaning of uncoated or coated metal surfaces other than carbon steel by the use of abrasives. These requirements include visual verification of the end condition of the surface and materials and procedures necessary to achieve and verify the end condition. A brush-off blast cleaned non-ferrous metal surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, metal oxides (corrosion products), and other foreign matter. Intact, tightly adherent coating is permitted to remain. A coating is considered tightly adherent if it cannot be removed by lifting with a dull putty knife.

High- and Ultra-High Pressure Water Jetting for Steel and Other Hard Materials:

SSPC-SP WJ-1/NACE WJ-1: Clean to Bare Substrate (WJ-1) is intended to be similar to the degree of surface cleanliness of SSPC-SP 5/NACE 1, except that stains are permitted to remain on the surface. This standard is used when the objective is to remove every trace of rust and other corrosion products, coating and mill scale.

SSPC-SP WJ-2/NACE WJ-2: Very Thorough Cleaning (WJ-2) is intended to be similar to the degree of surface cleanliness of SSPC-SP 10/NACE 2, except that tightly adherent material, rather than only stains, is permitted to remain on the surface. This standard is used when the objective is to remove almost all rust and other corrosion products, coating, and mill scale.

SSPC-SP WJ-3/NACE WJ-3: Thorough Cleaning (WJ-3) is intended to be similar to the degree of surface cleanliness of SSPC-SP 10/NACE 2, except that tightly adherent material, rather than only stains, is permitted to remain on the surface. This standard is used when the objective is to remove much of the rust and other corrosion products, coating, and mill scale, leaving tightly adherent thin films.

SSPC-SP WJ-4/NACE WJ-4: Light Cleaning (WJ-4) is intended to be similar to the degree of surface cleanliness of SSPC-SP 10/NACE 2, except that tightly adherent material, rather than only stains, is permitted to remain on the surface. This standard is used when the objective is to allow as much of the tightly adherent rust and other corrosion products, coating, and mill scale to remain as possible, Discoloration of the surface may be present.

Water Blasting NACE Standard RP-01-72: Removal of oil grease dirt, loose rust, loose mill scale, and loose paint by water at pressures of 2,000 to 2,500 psi at a flow of 4 to 14 gallons per minute.

Stucco S-W 22 : Must be clean and free of any loose stucco. If recommended procedures for applying stucco are followed, and normal drying conditions prevail, the surface may be painted in 30 days. The pH of the surface should be between 6 and 9.

Wood—Exterior – S-W 23: Must be clean and dry. Prime and paint as soon as possible. Knots and pitch streaks must be scraped, sanded, and spot primed before a full priming coat is applied. Patch all nail holes and imperfections with a wood filler or putty and sand smooth. Caulk should be applied after priming.

Wood—Interior – S-W 24: All finishing lumber and flooring must be stored in dry, warm rooms to prevent absorption of moisture, shrinkage, and roughening of the wood. All surfaces must be sanded smooth, with the grain, never across it. Surface blemishes must be corrected and the area cleaned of dust before coating.

Vinyl Siding, Architectural Plastics, PVC & Fiberglass: – S-W 24: Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly, prime with appropriate white primer. Do not paint vinyl with any color darker than the original color. Do not paint vinyl with a color having a Light Reflective Value (LRV) of less than 56 unless VinylSafe® Colors are used. If VinylSafe® Colors are not used and darker colors lower than an LRV of 56 are, the vinyl may warp. Follow all painting guidelines of the vinyl manufacturer when painting. Only paint properly installed vinyl siding. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.

Previously Coated Surfaces – S-W 12: Maintenance painting will frequently not permit or require complete removal of all old coatings prior to repainting. However, all surface contamination such as oil, grease, loose paint, mill scale dirt, foreign matter, rust, mold, mildew, mortar, efflorescence, and sealers must be removed to assure sound bonding to the tightly adhering old paint. Glossy surfaces of old paint films must be clean and dull before repainting. Thorough washing with an abrasive cleanser will clean and dull in one operation, or, wash thoroughly and dull by sanding. Spot prime any bare areas with an appropriate primer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system. Check for compatibility by applying a test patch of the recommended coating system, covering at least 2 to 3 square feet. Allow to dry one week before testing adhesion per ASTM D3359. If the coating system is incompatible, complete removal is required per ASTM D4259.

Touch-Up, Maintenance and Repair

For a protective coating system to provide maximum long-term protection, regularly scheduled maintenance is required. Maintenance includes inspection of painted areas, cleaning of surfaces to remove oils, chemicals, and other contaminants, and touch-up of areas where the coatings have been damaged. Highly corrosive areas, such as those subjected to frequent chemical spillage, corrosive fumes, and/or high abrasion or temperature areas should be inspected frequently – every six months, for example. Areas exposed to less severe conditions, such as interiors and exteriors of potable water tanks, may be inspected annually to assess the condition of the coating system.

The SSPC-VIS 2, Standard Method for Evaluating Degree of Rusting on Painted Steel Surfaces, can be used as a guide to determine appropriate touch-up and repairs maintenance schedules. Touch-up would be suggested when the surface resembles Rust Grade 5-S (Spot Rusting), 6-G (General Rusting), or 6-P (Pinpoint Rusting). Surface preparation would generally consist of SSPC-SP2, SP3, SP11, or SP12. Overcoating a well protected, but aged steel surface showing no evidence of rusting, may be achieved by Low Pressure Water Cleaning per SSPC-SP12/WJ4, and applying an appropriate coating system.

Full removal of the existing coating system by abrasive blasting would be recommended when the surface resembles Rust Grade 3-S (Spot Rusting), 4-G (General Rusting), or 4-P (Pinpoint Rusting). When the coating system has deteriorated to encompass approximately 33% of the surface area, it is always more economical to consider full removal and reapplication of the appropriate protective coating system.

Mildew –Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.



SHERWIN-WILLIAMS®

Reference Pages

Data Pages

Loxon®**Concrete and Masonry Primer-Sealer**

US LX02W0050, Canada LX02WQ050 White

**SHERWIN
WILLIAMS®****CHARACTERISTICS**

Loxon Concrete & Masonry Primer-Sealer is an acrylic coating specifically engineered for interior and exterior, above grade, masonry surfaces requiring a high-performance primer. It is highly alkali and efflorescence resistant and can be applied to a surface with a pH of 6 to 13.

Loxon Concrete and Masonry Primer-Sealer: Seals and adheres to concrete, brick, stucco and plaster.

Conditions porous masonry surfaces.

Use on above grade masonry surfaces for a long-lasting finish.

Apply to masonry and concrete surfaces that are at least 7 days old.

Prevents harm to subsequent coatings by alkalies in the substrate.

For use on these surfaces:

Concrete, Concrete Block, Brick, Stucco, EIFS Fiber Cement Siding, Plaster, Mortar, Exterior Wall Cladding, Tilt-Up/Pre-Cast Concrete

Finish: 0-10 units @ 85°
Color: White

Coverage:

Wet mils: 5.3-8.0
Dry mils: 2.1-3.2
Coverage: 200-320 sq. ft. per gallon
Coverage on porous & rough stucco 80 square feet per gallon.

Coverage (thin-mil primer application to new construction tilt-up/precast concrete):

Wet mils: 2.7-4.0
Dry mils: 1.1-1.6
Coverage: 400-600 sq. ft. per gallon

Drying Schedule 77°F @ 50% RH:

To touch 4 hours
To recoat 24 hours

Air and surface temperatures must not drop below 40°F for 48 hours after application.

Drying and recoat times are temperature, humidity, and film thickness dependent.

Tinting with CCE only:

For best topcoat color development, use the recommended "P"-shade primer. If desired, up to 4 oz. per gallon of ColorCast Ecotones can be used to approximate the topcoat color. Check color before use.

Extra White LX02W0050**V.O.C. (less exempt solvents):**

less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids: 40 ±2%
Weight Solids: 55 ±2%
Weight per Gallon: 10.92 lbs
Flash Point: N.A.
Vehicle Type: Acrylic
Shelf Life: 36 months, unopened

COMPLIANCE

As of 08/15/2022, Complies with:

OTC Yes
OTC Phase II Yes
S.C.A.Q.M.D. Yes
CARB Yes
CARB SCM 2007 Yes
CARB SCM 2020 Yes
Canada Yes
LEED® v4 & v4.1 Emissions Yes
LEED® v4 & v4.1 V.O.C. Yes
EPD-NSF® Certified Yes
MIR-Product Lens Certified Yes
MPI® Yes

APPLICATION**Temperature:**

minimum 40°F

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer: No reduction necessary

Airless Spray:
Pressure 2000-2700 p.s.i.
Tip .19 inch

Brush: nylon-polyester

Roller Cover: ½ to 1½ inch nap synthetic cover

Spray and back roll on porous & rough stucco to achieve required film build and a pin-hole free surface.

For porous block, a coat of Loxon Acrylic Block Surfacer is required to achieve a pinhole free surface.

Apply at temperatures above 40°F. When the air temperature is at 40°F, substrates may be colder; prior to painting, check to be sure the air, surface, and material temperature are above 40°F and at least 5°F above the dew point. Avoid using if rain or snow is expected within 4-6 hours.

Do not apply at air or surface temperatures below 40°F or when air or surface temperatures may drop below 40°F within 48 hours.

For best performance results, avoid painting in direct sun or painting substrates with elevated surface temperatures.

Do not reduce.

May be applied to damp but not to wet surfaces.

APPLICATION TIPS

Apply paint at the recommended film thickness and spreading rate as indicated on the page. Application of coating below minimum recommended spreading rate may adversely affect the coating systems performance.

When spot priming on some surfaces, a non-uniform appearance of the final coat may result, due to differences in holdout between primed and unprimed areas. To avoid this, prime the entire surface rather than spot priming.

For optimal performance, this primer-sealer must be topcoated with a latex, alkyd-oil, water-based epoxy, or solvent based epoxy coating on architectural applications.

For exterior use, this primer-sealer must be topcoated within 14 days to prevent degradation due to weathering.

RECOMMENDED SYSTEMS**Concrete, Masonry, Cement:**

1 coat Loxon Concrete & Masonry Primer
2 coats Appropriate Topcoat

Stucco, Fiber Cement Siding, EIFS:

1 coat Loxon Concrete & Masonry Primer
2 coats Appropriate Topcoat

Recommended Architectural Topcoats:

A-100 Exterior Latex
Duration Exterior & Duration Home Interior
Emerald Exterior & Interior
Loxon Masonry Coatings
SuperPaint Exterior & Interior
ProClassic Interior
ProMar Interior

Recommended Industrial Topcoats:

Industrial Enamels
Pro Industrial Series
Steel Master 9500 Silicone Alkyd
Water Based Catalyzed Epoxy

Industrial finishes have been tested for architectural applications only. Loxon Concrete and Masonry Primer has not been tested in environments subject to chemical attack. Any recommendations for use in such areas must follow a thorough evaluation of the effects of the environment on the Loxon Concrete and Masonry Primer and topcoat system.

Loxon[®]

Concrete and Masonry Primer-Sealer

SURFACE PREPARATION

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting: US - National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead; Canada - your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Masonry, Concrete, Stucco:

All new surfaces must cure for at least 7 days. Remove all form release and curing agents. Pressure clean to remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, peeling and defective coatings, chalks, etc. Allow the surface to dry before proceeding. Repair cracks, voids, and other holes with an appropriate patching compound or sealant.

Concrete and mortar must be cured at least 7 days at 75°F. Moisture content must be 15% or lower. On tilt-up and poured-in-place concrete, commercial detergents and sandblasting may be necessary to remove sealers, release compounds, and to provide an anchor pattern. Fill bugholes, air pockets and other voids with an acrylic elastomeric patch or sealant.

Caulking:

Fill gaps between walls, ceilings, crown moldings, and other trim with the appropriate caulk after priming the surface

SURFACE PREPARATION

Mildew:

Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts clean water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with clean water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

PHYSICAL PROPERTIES

Do not paint on wet surfaces.

LX02W0050

Water Vapor Permeance (US):

Method: ASTM D1653 (grains/(hr ft² in Hg))

Result: 25.79 perms

Flexibility:

Method: ASTM D522

Result: method B, 180° bend, 1/8 inch mandrel
Pass

Alkali Resistance:

Method: ASTM D1308

Result: Pass

Mildew Resistance:

Method: ASTM D3273/D3274

Result: Pass

Efflorescence:

Method: ASTM D7072-04

Result: Pass (None)

Wind-Driven Rain Test:

Method: ASTM D6904-03

Result: Pass

SAFETY PRECAUTIONS

For interior or exterior use.

Protect from freezing.

Do not apply at temperatures below 40°F. Air and surface temperatures must not drop below 40°F for 48 hours after application.

Before using, carefully read **CAUTIONS** on label.

ZINC Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

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FRC, SP

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm clean water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

A-100® Exterior Latex Flat

A06-Series


**SHERWIN
WILLIAMS®**

CHARACTERISTICS

A-100 Exterior Latex is a quality exterior finish. This product is recommended for use on aluminum, vinyl, and wood siding, clapboard, shakes, shingles, plywood, masonry, and metal down to a surface and air temperature of 35°F.

Color: Most Colors

Coverage: 350-400 sq. ft. per gallon
@ 4 mils wet; 1.3 mils dry

Drying Time, @ 50% RH:

	@ 35-45°F	@ 45°F +
Touch:	2 hours	2 hours
Recoat:	24-48 hours	4 hours

Drying and recoat times are temperature, humidity, and film thickness dependent

Finish: 0-5 units @ 85°

Tinting with CCE only:

Base:	oz. per gallon	Strength:
Extra White	0-6	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-12	SherColor

Extra White A06W00151

(may vary by color)

V.O.C. (less exempt solvents):

less than 50 grams per litre; 0.42 lbs. per gallon

As per 40 CFR 59.406

Volume Solids:	34 ± 2%
Weight Solids:	49 ± 2%
Weight per Gallon:	10.97 lbs
Flash Point:	N/A
Vehicle Type:	100% Acrylic
Shelf Life:	36 months unopened
WVP Perms (US)	33.1 grains/(hr ft ² in Hg)

Mildew Resistant

This coating contains agents which inhibit the growth of mildew on the surface of this coating film.

COMPLIANCE

As of 08/20/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	N/A
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	N/A
MIR-Manufacturer Inventory	N/A
MPI®	Yes

APPLICATION

When the air temperature is at 35°F, substrates may be colder; prior to painting, check to be sure the air, surface, and material temperature are above 35°F and at least 5°F above the dew point. Avoid using if rain or snow is expected within 2-3 hours.

Do not apply at air or surface temperatures below 35°F or when air or surface temperatures may drop below 35°F within 48 hours.

No reduction necessary.

Brush: Use a nylon-polyester brush.

Roller: Use a high quality 3/8-3/4 inch nap synthetic roller cover.

For specific brushes and rollers, please refer to our Brush and Roller Guide on sherwin-williams.com

Spray—Airless
Pressure 2000 p.s.i.
Tip .015-.019 inch

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

SPECIFICATIONS

Standard latex primers cannot be used below 50°F. See specific primer label for that product's application conditions.

Aluminum & Aluminum Siding¹, Galvanized Steel¹

2 coats A-100 Exterior Latex

Concrete Block, CMU, Split face Block

1 coat Loxon Acrylic Block Surfacers

2 coats A-100 Exterior Latex

Brick, Stucco, Cement, Concrete

1 coat Loxon Concrete and Masonry Primer³ or

Loxon Conditioner²

2 coats A-100 Exterior Latex

Cement Composition Siding/Panels

1 coat Loxon Concrete and Masonry Primer³ or

Loxon Conditioner²

2 coats A-100 Exterior Latex

Plywood

1 coat Exterior Latex Primer

2 coats A-100 Exterior Latex

*Vinyl Siding

2 coats A-100 Exterior Latex

Wood, (Cedar, Redwood)⁴

1 coat Exterior Oil-Based Wood Primer²

2 coats A-100 Exterior Latex

¹ On large expanses of metal siding, the air, surface, and material temperatures must be 50°F or higher.

² Not for use at temperatures under 50°F. See specific primer label for that product's application conditions.

³ Not for use at temperatures under 40°F. See specific primer label for that product's application conditions.

⁴ Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. For best results on these woods, use a coat of Exterior Oil-Based Wood Primer.

Other primers may be appropriate.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

A-100®

Exterior Latex Flat

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Aluminum and Galvanized Steel:

Wash to remove any oil, grease, or other surface contamination. All corrosion must be removed with sandpaper, wire brush, or other abrading method.

Cement Composition Siding/Panels:

Remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, and peeling or defective coatings. Allow the surface to dry thoroughly. If the surface is new, test it for pH, if the pH is higher than 9, prime with Loxon Concrete & Masonry Primer.

Caulking:

Gaps between windows, doors, trim, and other through-wall openings can be filled with the appropriate caulk after priming the surface.

Concrete, Masonry, Cement, Block:

All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces should be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer/Sealer. Cracks, voids, and other holes should be repaired with an elastomeric patch or sealant. **Concrete masonry units (CMU)** - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F (10°C) before filling. Use Loxon Acrylic Block Surfer. The filler must be thoroughly dry before topcoating.

Stucco:

Remove any loose stucco, efflorescence, or laitance. Allow new stucco to cure at least 30 days before painting. If painting cannot wait 30 days, allow the surface to dry 7 days and prime with Loxon Concrete & Masonry Primer. Repair cracks, voids, and other holes with an elastomeric patch or sealant.

SURFACE PREPARATION

Mildew:

Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

Previously Painted Surfaces:

If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Steel:

Rust and mill scale must be removed using sandpaper, wire brush, or other abrading method. Bare steel must be primed the same day as cleaned.

***Vinyl or other PVC Building Products:**

Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly, if needed prime with appropriate white primer. Do not paint vinyl with any color darker than the original color. Do not paint vinyl with a color having a Light Reflective Value (LRV) of less than 56. Painting with darker colors lower than an LRV of 56 may cause vinyl to warp. Follow all painting guidelines of the vinyl manufacturer when painting. Only paint properly installed vinyl siding. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.

Wood, Plywood, Composition Board:

Clean the surface thoroughly then sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. All new and patched areas must be primed. Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. If applied to these bare woods, it may show some staining. If staining persists, spot prime severe areas with 1 coat of Exterior Oil-Based Wood Primer prior to using.

CAUTIONS

For Exterior use only
Protect from freezing
Non-photochemically reactive
Not for use on floors.

Before using, carefully read **CAUTIONS on label**

CRYSTALLINE SILICA, ZINC: Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW 08/20/2020 A06W00151 45 37
FRC, SP

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

A-100®

Exterior Latex Gloss

A08W00151 Extra White


**SHERWIN
WILLIAMS®**

CHARACTERISTICS

A-100 Exterior Latex is a quality exterior finish. This product is recommended for use on aluminum, vinyl, and wood siding, clapboard, shakes, shingles, plywood, masonry, and metal down to a surface and air temperature of 35°F.

Color: Many Colors

Coverage: 350-400 sq. ft. per gallon
@ 4 mils wet; 1.4 mils dry

Drying Time, @ 50% RH:

@ 35-45°F @ 45°F +

Touch: 2 hours 2 hours
Recoat: 24-48 hours 4 hours

Drying and recoat times are temperature, humidity, and film thickness dependent

Finish: 35-45 units @ 60°

Tinting with CCE only:

Base: oz per gallon **Strength:**
Extra White 0-6 SherColor

Extra White A08W00151
(may vary by color)

VOC (less exempt solvents):

less than 50 grams per litre; 0.42 lbs. per gallon

As per 40 CFR 59.406

Volume Solids: 36 ± 2%

Weight Solids: 45 ± 2%

Weight per Gallon: 9.71 lbs

Flash Point: N/A

Vehicle Type: 100% Acrylic

Shelf Life: 36 months unopened

Mildew Resistant

This coating contains agents which inhibit the growth of mildew on the surface of this coating film.

COMPLIANCE

As of 03/27/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	N/A
LEED® v4 & v4.1 VOC	Yes
EPD-NSF® Certified	N/A
MIR-NSF® Certified Manufacturer Inventory	N/A
MP1®	No

APPLICATION

When the air temperature is at 35°F, substrates may be colder; prior to painting, check to be sure the air, surface, and material temperature are above 35°F and at least 5°F above the dew point. Avoid using if rain or snow is expected within 2-3 hours.

Do not apply at air or surface temperatures below 35°F or when air or surface temperatures may drop below 35°F within 48 hours.

No reduction necessary.

Brush:

Use a nylon-polyester brush.

Roller:

Use a high quality 3/8-3/4 inch nap synthetic roller cover.

For specific brushes and rollers, please refer to our Brush and Roller Guide.

Spray—Airless

Pressure 2000 p.s.i.
Tip .019-.021 inch

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

SPECIFICATIONS

Standard latex primers cannot be used below 50°F. See specific primer label for that product's application conditions.

Aluminum & Aluminum Siding¹,

Galvanized Steel¹

2 coats A-100 Exterior Latex

Concrete Block, CMU, Split face Block

1 coat Loxon Acrylic Block Surfer

2 coats A-100 Exterior Latex

Brick, Stucco, Cement, Concrete

1 coat Loxon Concrete and Masonry Primer³
or

Loxon Conditioner²

2 coats A-100 Exterior Latex

Cement Composition Siding/Panels

1 coat Loxon Concrete and Masonry Primer³
or

Loxon Conditioner²

2 coats A-100 Exterior Latex

Plywood

1 coat Exterior Latex Primer

2 coats A-100 Exterior Latex

*Vinyl Siding

2 coats A-100 Exterior Latex

Wood (Cedar, Redwood)⁴

1 coat Exterior Oil-Based Wood Primer²

2 coats A-100 Exterior Latex

¹ On large expanses of metal siding, the air, surface, and material temperatures must be 50°F or higher.

² Not for use at temperatures under 50°F. See specific primer label for that product's application conditions.

³ Not for use at temperatures under 40°F. See specific primer label for that product's application conditions.

⁴ Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. For best results on these woods, use a coat of Exterior Oil-Based Wood Primer.

Other primers may be appropriate.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

A-100®

Exterior Latex Gloss

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Aluminum and Galvanized Steel:

Wash to remove any oil, grease, or other surface contamination. All corrosion must be removed with sandpaper, wire brush, or other abrading method.

Cement Composition Siding/Panels:

Remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, and peeling or defective coatings. Allow the surface to dry thoroughly. If the surface is new, test it for pH, if the pH is higher than 9, prime with Loxon Concrete & Masonry Primer.

Caulking:

Gaps between windows, doors, trim, and other through-wall openings can be filled with the appropriate caulk after priming the surface.

Concrete, Masonry, Cement, Block:

All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces should be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer. Cracks, voids, and other holes should be repaired with an elastomeric patch or sealant. **Concrete masonry units (CMU)** - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F (10°C) before filling. Use Loxon Acrylic Block Surfacers. The filler must be thoroughly dry before topcoating.

Stucco:

Remove any loose stucco, efflorescence, or laitance. Allow new stucco to cure at least 30 days before painting. If painting cannot wait 30 days, allow the surface to dry 7 days and prime with Loxon Concrete & Masonry Primer. Repair cracks, voids, and other holes with an elastomeric patch or sealant.

SURFACE PREPARATION

Mildew:

Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

Previously Painted Surfaces:

If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Steel:

Rust and mill scale must be removed using sandpaper, wire brush, or other abrading method. Bare steel must be primed the same day as cleaned.

***Vinyl or other PVC Building Products:**

Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly, prime with appropriate white primer. Do not paint vinyl with any color darker than the original color. Do not paint vinyl with a color having a Light Reflective Value (LRV) of less than 56. Painting with darker colors lower than an LRV of 56 may cause vinyl to warp. Follow all painting guidelines of the vinyl manufacturer when painting. Only paint properly installed vinyl siding. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.

Wood, Plywood, Composition Board:

Clean the surface thoroughly then sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. All new and patched areas must be primed. Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. If applied to these bare woods, it may show some staining. If staining persists, spot prime severe areas with 1 coat of Exterior Oil-Based Wood Primer prior to using.

CAUTIONS

For Exterior use only
Protect from freezing
Non-photochemically reactive
Not for use on floors

Before using, carefully read **CAUTIONS on label**

ZINC: Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW 03/27/2020 A08W00151 26 37

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

PrepRite® ProBlock®

Interior-Exterior Latex Primer-Sealer

B51-600 Series


**SHERWIN
WILLIAMS®**

CHARACTERISTICS

PrepRite ProBlock Interior-Exterior Latex Primer-Sealer:

- Assures uniform appearance of topcoats
- Fast dry
- Apply at temperatures down to 35°F
- Assures adhesion of the topcoat to slick, glossy surfaces
- Seals out solvent sensitive stains - tar, solvent based markers, etc.
- Seals minor dried water stains and tannin
- Provides easy "slip" for positioning of wallpaper

Use on Interior

- Ceiling Tiles • Paneling • Wall Laminate
- Cured Plaster • Varnished Woodwork
- Kitchen Cabinets • Ceramic Wall Tile
- Under wallcovering

Use on Interior and Exterior:

- Wood • Aluminum • Galvanized Metal
- Previously Painted Surfaces • PVC Piping
- Drywall • Concrete and Masonry • Many Plastics
- Glossy Surfaces • Fiberglass • Copper
- Glazed Block

Color: White & Deep Base

For best topcoat color development, use the recommended "P"-shade primer. Check color before use.

Coverage: 400 sq.ft.per gallon
@ 4.0 mils wet;
1.4 mils dry

Drying and recoat times are temperature, humidity, and film thickness dependent

Drying Time, @ 77°F, 50% RH:

Touch: 30 minutes

Recoat: as a primer 1 hour

Recoat: as a stain sealer: 4 hours

Recoat: to apply wallcovering: 3 hours

Finish: 5-10 units @85°

Tinting with CCE only:

Base	oz. per gallon	Strength
White	0-4	SherColor
Deep Base	4-12	SherColor

White B51W00620
(may vary by base)

V.O.C. (less exempt solvents):

less than 50 grams per litre; .42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids: 35 ± 2%

Weight Solids: 52 ± 2%

Weight per Gallon: 10.9 lbs

Flash Point: N.A.

Vehicle Type: Styrenated Acrylic Latex

Shelf Life: 36 months unopened

Anti-microbial - This product contains agents which inhibit the growth of microbes on the surface of this paint film.

COMPLIANCE

As of 05/13/2021, Complies with:

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	Yes
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Product Lens Certified	Yes
MPI®	Yes

APPLICATION

When the air temperature is at 35°F, substrates may be colder; prior to painting, check to be sure the air, surface, and material temperature are above 35°F and at least 5°F above the dew point. Avoid using if rain or snow is expected within 2-3 hours. Air and surface temperatures must not drop below 35°F for 48 hours after application.

Do not reduce for stain blocking

Brush:

Use a nylon-polyester brush.

Roller:

Use a 3/8 inch nap soft woven roller cover.

For specific brushes and rollers, please refer to our Brush and Roller Guide on sherwin-williams.com

Spray—Airless:

Pressure 2000 p.s.i.

Tip .015-.021 inch

APPLICATION TIPS

For best topcoat color development, use the recommended "P"-shade primer.

When spot priming on some surfaces, a non-uniform appearance of the final coat may result, due to differences in holdout between primed and unprimed areas. To avoid this, prime the entire surface rather than spot priming.

For optimal performance, this primer must be topcoated with a latex, alkyd-oil, water based epoxy, or solvent based epoxy coating on architectural applications.

For exterior exposure, this primer must be topcoated within 14 days with architectural latex or oil finishes.

For better performance when priming an entire house, use Exterior Latex or Oil-Based Primers

PrepRite ProBlock Latex Primer-Sealer can be topcoated in 1 hour in non-stain blocking applications.

SPECIFICATIONS

1 coat PrepRite ProBlock Interior-Exterior Latex Primer-Sealer

2 coats Appropriate topcoat

Recommended Architectural Topcoats:

All Surface Enamels
A-100 Exterior Latex
Duration Exterior & Duration Home Interior
Emerald Exterior & Interior
Emerald Urethane Trim Enamel
SuperPaint Exterior & Interior
ProClassic Interior Enamels
ProMar Series Interior

Recommended Industrial Topcoats:

Pro Industrial Acrylic Coating
Pro Industrial Pre-Cat Epoxy
Pro Industrial Pre-Cat Urethane
Pro Industrial Waterbased Catalyzed Epoxy

PrepRite® ProBlock®

Interior-Exterior Latex Primer-Sealer

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Scrape and sand peeled or checked paint to a sound surface. Sand glossy surfaces dull. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Special recommendations - After priming stained areas, allow to dry 4 hours, test a small area for bleeding by applying the topcoat before painting the entire project. If the stain bleeds through, apply a second coat of primer and allow to dry overnight and retest before topcoating.

Caulking - Fill gaps between walls, ceilings, crown moldings, and other trim with the appropriate caulk after priming the surface.

Drywall - Fill cracks and nail holes with patching paste-spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Fire restoration work - Thoroughly clean the surface before applying to smoke stained areas. Apply one or two coats of PrepRite ProBlock Latex Primer-Sealer and test a small area for bleeding before painting the entire surface.

Testing - Always check for compatibility and adhesion to the surface by applying a test patch of 2 - 3 square feet. Allow to dry thoroughly for 1 week before checking adhesion.

Tile - laminate, ceramic and plastic tiles, and similar glossy surfaces, must be free of all oil, grease, and soap residue. Do not use this product in areas subject to excessive water, e.g.: in showers, around sinks, on counter tops.

On hard, slick, glossy, or otherwise hard to paint surfaces, after preparing the surface, apply a test area of this primer, allow to dry properly and test for adhesion.

When used as a primer under wallcovering. After wallcovering has been applied and the adhesive has dried and cured, wait at least 21 days before removing the wallcovering to avoid damage to the drywall.

SURFACE PREPARATION

Mildew - Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

Plaster - Must be cured, usually 30 days, and hard. If painting cannot wait, allow the surface to dry 7 days and prime with Loxon Concrete and Masonry Primer. Soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with water and allow to dry before painting.

Wood Exterior - Sand any exposed, weathered wood to a fresh surface. Replace any deteriorated wood. On woods that present potential tannin bleeding, such as redwood and cedar, PrepRite ProBlock Latex Primer-Sealer can be used. Care must be taken to determine if tannins will be activated by the water in the coating. To test for bleeding, coat a 4 foot by 4 foot section with the primer. If no bleeding is evident within 4 hours, proceed with complete priming. If bleeding occurs, use Exterior Oil-Based Wood Primer.

For a complete whole house primer outside, use Exterior Latex Wood Primer or Exterior Oil-Based Wood Primer.

CAUTIONS

Protect from freezing.

Before using, carefully read **CAUTIONS on label**

CRYSTALLINE SILICA: Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW 05/13/2021 B51W00620 27 00

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

Pro Industrial™ Pro-Cryl® Universal Primer

B66-1300 Series


**SHERWIN
WILLIAMS®**

CHARACTERISTICS

Pro Industrial Pro-Cryl® Universal Primer is an advanced technology, self cross-linking acrylic primer. It is rust inhibitive and was designed for both construction and maintenance applications. It can be used as a primer under water-based or solvent-based high performance topcoats.

Features:

- Rust inhibitive, corrosion resistant
- Single component
- Early moisture resistant
- Fast dry
- Lower temperature application 40°F
- Interior and exterior use
- Suitable for use in USDA inspected facilities

For use on properly prepared:

Steel, Galvanized & Aluminum, wood

Finish: Low Sheen

Color: Off White, Medium Grey, and Red Oxide

Recommended Spreading Rate per coat:

Wet mils: 5.0-10.0

Dry mils: 1.9-3.8

Coverage: 160-320 sq.ft. per gallon

Theoretical Coverage: 609 sq. ft. per gallon @ 1 mil dry

Approximate spreading rates are calculated on volume solids and do not include any application loss.

Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 6.0 mils wet, @ 50% RH:

Drying, and recoat times are temperature, humidity, and film thickness dependent.

	@40°F	@77°F	@120°F
To touch	2 hours	40 minutes	20 minutes
Tack free	8 hours	2 hours	1 hour
To recoat	16 hours	4 hours	2 hours

Tinting: DO NOT TINT

Off White B66W01310

(may vary by base)

V.O.C. (less exempt solvents):

less than 50 grams per litre; 0.42 lbs. per gallon

As per 40 CFR 59.406

Volume Solids: 38 ± 2%

Weight Solids: 49 ± 2%

Weight per Gallon: 10.09 lb

Flash Point: N/A

Shelf Life: 36 months, unopened

COMPLIANCE

As of 10/11/2021, Complies with:

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	Yes
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Manufacturer Inventory	Yes
MPI®	Yes

APPLICATION

Temperature:

minimum 40°F

maximum 120°F

air, surface, and material

At least 5°F above dew point

Relative humidity: 85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer: Water

Airless Spray:

Pressure 2000 p.s.i.

Hose 1/4 inch I.D.

Tip .015 - .019 inch

Filter 60 mesh

Conventional Spray:

Gun Binks 95

Fluid Nozzle 66

Air Nozzle 63 PB

Atomization Pressure 60 p.s.i.

Fluid Pressure 25 p.s.i.

Reduction: as needed up to 5 % by volume

Brush: Nylon-polyester

Roller Cover: 3/8 inch woven

If specific application equipment is listed above, equivalent equipment may be substituted.

Apply paint at the recommended film thickness and spreading rate as indicated. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

Stripe coat crevices, welds, and sharp angles to prevent early failure in these areas. For best results on rusty surfaces, always apply first coat by brush. When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.

No painting should be done immediately after a rain or during foggy weather.

For optimal performance, this primer should be topcoated.

For exterior exposure, this primer should be topcoated within 14 days. If 14 days is exceeded remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Finish with appropriate topcoat.

SPECIFICATIONS

Acceptable Water Based topcoats:

1-2 coats Pro Industrial Acrylic Coating or Pro Industrial Acrylic Dryfall
Pro Industrial DTM Acrylic
Pro Industrial Multi-Surface Acrylic
Pro Industrial Pre-Catalyzed Epoxy
Pro Industrial Pre-Catalyzed Urethane
Pro Industrial Water Based Acrolon 100
Pro Industrial Water Base Alkyd Urethane
Pro Industrial Water Based Catalyzed Epoxy
Sherwin-Williams Architectural Coatings

Acceptable Solvent Based topcoats:

Pro Industrial High Performance Epoxy
Pro Industrial Series
Industrial Enamels
Steel Master 9500 Silicone Alkyd
Tile-Clad HS Epoxy
Water Based Catalyzed Epoxy

The finishes listed above are representative of the product's use, other finishes may be appropriate.

Pro Industrial™ Pro-Cryl® Universal Primer

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Do not use hydrocarbon solvents for cleaning.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Iron & Steel - Minimum surface preparation is Hand Tool Cleaning per SSPC-SP2. Remove all oil and grease from the surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Prime the area the same day as cleaned. Self priming

Aluminum - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1. Self priming.

Galvanizing - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned. Self priming.

Previously Painted Surfaces - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Wood - Surface must be clean, dry and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked.

SURFACE PREPARATION

Mildew- Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

PERFORMANCE

System Tested: (unless otherwise indicated)

Substrate: Steel
Surface Preparation: SSPC-SP10
Finish: 1 coat Pro Industrial Pro-Cryl Off White
1 coat Pro Industrial Acrylic Coating

Adhesion:
Method: ASTM D4541
Result: 500 p.s.i.

Corrosion Weathering:
Method: ASTM D5894, 10 cycles,
3360 hours
Result: Passes

Direct Impact Resistance:
Method: ASTM D2794
Result: greater than 140 inch lb.

Dry Heat Resistance:
Method: ASTM D2485
Result: 200°F

Flexibility:
Method: ASTM D522, 180° bend,
1/4 inch mandrel
Result: Passes

Moisture Condensation Resistance:
Method: ASTM D4585, 100°F,
1250 hours
Result: Passes

Pencil Hardness:
Method: ASTM D3363
Result: B

Salt Fog Resistance:
Method: ASTM B117, 1250 hours
Result: Passes

Provides performance comparable to products formulated In Lieu of federal specification: AA50557 and Paint Specification: SSPC-Paint 23.

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label. Refer to the Safety Data Sheets (SDS) before use. **FOR PROFESSIONAL USE ONLY.**

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

CLEANUP INFORMATION

Clean spills, splatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

HOTW	10/11/2021	B66W01310	04 40
HOTW	10/11/2021	B66A01320	05 39
HOTW	10/11/2021	B66N01310	05 40
FRC			

Pro Industrial™ Waterbased Alkyd Urethane Enamel Semi-Gloss

B53-1150/2150 Series


**SHERWIN
WILLIAMS®**

CHARACTERISTICS

Pro Industrial Waterbased Alkyd Urethane Enamel™ is a premium quality interior-exterior enamel formulated with a urethane modified alkyd resin system for high performance. It provides beauty and durability when applied to interior-exterior surfaces such as properly prepared drywall, wood, masonry and metal. It brings together the convenience and ease of use of a waterborne coating with the performance and coating characteristics of a traditional oil-based enamel.

- Excellent washability & flow & leveling
- Excellent touch up
- Easy application & cleanup
- Resistant to yellowing compared to traditional alkyds
- Suitable for use in USDA inspected facilities

For use on properly prepared:

Steel, Galvanized & Aluminum, Drywall, Concrete and Masonry, and Wood.

Finish: 50-70° @60°

Color: Most colors

Recommended Spreading Rate per coat:

Wet mils: 4.0-5.0

Dry mils: 1.4-1.7

Coverage: 320-389 sq.ft. per gallon

Theoretical Coverage: 545 sq. ft. per gallon
@ 1 mil dry

Approximate spreading rates are calculated on volume solids and do not include any application loss.

Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 4.0 mils wet, @ 50% RH:

Drying, and recoat times are temperature, humidity, and film thickness dependent.

@77°F

To touch 1-2 hours

To recoat 4 hours

Tinting with CCE only:

Base	oz. per gallon	Strength
Extra White	0-6	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-14	SherColor

Extra White B53W02151

(may vary by color)

V.O.C. (less exempt solvents):

less than 50 grams per litre; 0.42 lbs. per gallon

As per 40 CFR 59.406

Volume Solids: 34 ± 2%

Weight Solids: 51 ± 2%

Weight per Gallon: 10.94 lb

Flash Point: N/A

Vehicle Type: Urethane modified alkyd

Shelf Life: 36 months, unopened

COMPLIANCE

As of 03/10/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	No
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certification	No
MIR-Manufacturer Inventory	No
NSF® Certification	No
MPI®	No

APPLICATION

Temperature:

minimum 50°F / 10°C

maximum 100°F / 37.8°C

air, surface, and material

At least 5°F above dew point

Relative humidity: 85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer: Water

Airless Spray:

Pressure 2000 p.s.i.

Hose 1/4 inch I.D.

Tip .013 - .017 inch

Filter 60 mesh

Reduction Not recommended

Brush Nylon-polyester

Roller Cover 1/4-1/2 inch woven

If specific application equipment is listed above, equivalent equipment may be substituted.

Apply paint at the recommended film thickness and spreading rate as indicated on front page. Application of coating below minimum recommended spreading rate will adversely affect coating performance.

No painting should be done immediately after a rain or during foggy weather.

When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. Apply coating evenly while maintaining a wet edge to prevent lapping.

SPECIFICATIONS

Steel:

- 1 coat Pro Industrial Pro-Cryl Primer
- 2 coats Pro Industrial Waterbased Alkyd Urethane

Aluminum and Galvanizing:

- 1 coat Pro Industrial Pro-Cryl Primer
- 2 coats Pro Industrial Waterbased Alkyd Urethane

Concrete Block (CMU):

- 1 coat Pro Industrial Heavy Duty Blockfiller or Loxon Acrylic Block Surfer
- 2 coats Pro Industrial Waterbased Alkyd Urethane

Concrete-Masonry:

- 1 coat Loxon Concrete & Masonry Primer (if needed)
- 2 coats Pro Industrial Waterbased Alkyd Urethane

Drywall:

- 1 coat ProMar 200 Zero V.O.C. Primer
- 2 coats Pro Industrial Waterbased Alkyd Urethane

Wood, exterior:

- 1 coat Exterior Wood Primer
- 2 coats Pro Industrial Waterbased Alkyd Urethane

Wood, interior:

- 1 coat Premium Wall & Wood Primer
- 2 coats Pro Industrial Waterbased Alkyd Urethane

The systems listed above are representative of the product's use, other systems may be appropriate.

Pro Industrial™

Waterbased Alkyd Urethane Enamel Semi-Gloss

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Do not use hydrocarbon solvents for cleaning.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Iron & Steel - Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Primer recommended for best performance

Aluminum - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1. Prime the area the same day as cleaned.

Galvanizing - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned.

Concrete Block - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 55°F (13°C) before filling. Use Pro industrial Heavy Duty Block Filler or Loxon Acrylic Block Surfacer. The filler must be thoroughly dry before topcoating.

Masonry - All masonry must be free of dirt, oil, grease, loose paint, mortar, masonry dust, etc. Clean per SSPC-SP13/Nace 6/ ICRI No. 310.2R, CSP 1-3. Poured, troweled, or tilt-up concrete, plaster, mortar, etc. must be thoroughly cured at least 30 days at 75°F. Form release compounds and curing membranes must be removed by brush blasting. Brick must be allowed to weather for one year prior to surface preparation and painting. Prime the area the same day as cleaned. Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Apply one coat Loxon Conditioner, following label recommendations.

Wood - Surface must be clean, dry, and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked.

SURFACE PREPARATION

Previously Painted Surface - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Mildew- Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/ water solution.

PERFORMANCE

System Tested: (unless otherwise indicated)

Substrate: Steel
Surface Preparation: SSPC-SP10

Finish:
1 coat Waterbased Alkyd Urethane, 5 W.F.T.

Adhesion:
Method: ASTM D3359 method B
Result: 4B

Pencil Hardness:
Method: ASTM D3363
Result: 4H

Flexibility:
Method: Method: ASTM D522,
180° bend, 1/4" mandrel
Result: Pass

Dry Heat Resistance:
Method: ASTM D2485
Result: 200°F

Block Resistance:
Lab assessment Excellent

Resistance to Yellowing:
Lab assessment Excellent

No painting should be done immediately after a rain or during foggy weather. Do not paint on wet surfaces. Check adhesion by applying a test strip to determine the readiness for painting.

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label. Refer to the Safety Data Sheets (SDS) before use. **FOR PROFESSIONAL USE ONLY.**

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

CLEANUP INFORMATION

Clean spills, splatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

DANGER: Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded. Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container. Dispose of in accordance with local fire regulations.

HOTW 03/10/2020 B53W01153 09 39
FRC

Environmental Data Sheets

ENVIRONMENTAL DATA SHEET

(Certified Product Data Sheet)

Date of Preparation
Apr 6, 2023

50 00 [0963]

PRODUCT NUMBER

LX02W50

PRODUCT NAME

LOXON® Concrete & Masonry Primer/Sealer, White

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

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Hazard Category (for SARA 311.312)

LX02W50 = | Acute | Chronic |

Product Weight

10.92 lb/gal

Specific Gravity

1.31

FLASH POINT

N.A.

Volatile Ingredients

Chemical / Compound	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
Water 7732-18-5	N	N	N	N	43	57

Regulated Compounds

	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
Zinc (as Zn)	N	Y	Y	N	1	
Zinc Compound	N	N	Y	N	1	

Volatile Organic Compounds - U.S. EPA / Canada

	LX02W50	
	LB/Gal	g/L
Coating Density	10.92	1308
	By wt	By vol
Total Volatiles	44.7%	59.7%
Federally exempt solvents		
Water	43.0%	57.4%
Non-Organic Volatiles		
Ammonium Hydroxide	0.2%	0.3%
Organic Volatiles	1.5%	2.0%
Percent Non-Volatile	55.3%	40.3%
VOC Content	LB/Gal	g/L
Total	0.16	19
Less exempt solvents	0.39	46
Of solids	0.41	49
Of solids	0.02 lb/lb	0.02 kg/kg
	By wt	
By wt LVP-VOC	0.0%	

Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.02**

Volatile Organic Compounds - California

	LX02W50	
	LB/Gal	g/L
Coating Density	10.92	1308
	By wt	By vol
Total Volatiles	44.7%	59.7%
Exempt solvents		
Water	43.0%	57.4%
Non-Organic Volatiles		
Ammonium Hydroxide	0.2%	0.3%
Organic Volatiles	1.5%	2.0%
Percent Non-Volatile	55.3%	40.3%
VOC Content	LB/Gal	g/L
Total	0.16	19
Less exempt solvents	0.39	46
Of solids	0.41	49
Of solids	0.02 lb/lb	0.02 kg/kg
	By wt	
By wt LVP-VOC	0.0%	

Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.02**

Volatile Organic Compounds - South Coast Air Quality Management District, California, US

	LX02W50	
	LB/Gal	g/L
Coating Density	10.92	1308
	By wt	By vol
Total Volatiles	44.7%	59.7%
Exempt solvents		
Water	43.0%	57.4%
Non-Organic Volatiles		
Ammonium Hydroxide	0.2%	0.3%
Organic Volatiles	1.5%	2.0%
Percent Non-Volatile	55.3%	40.3%
VOC Content	LB/Gal	g/L
Total	0.16	19
Less exempt solvents	0.39	46
Of solids	0.41	49
Of solids	0.02 lb/lb	0.02 kg/kg

Volatile Organic Compounds - EU Directive 2004/42/EC

	LX02W50	
	By wt	By vol
Total Volatiles	43.8%	58.4%
VOC Content	LB/Gal	g/L
Total	0.06	7

Volatile Organic Compounds - EU Directive 2010/75/EU

	LX02W50	
	By wt	By vol
Total Volatiles	43.8%	58.4%
VOC Content	LB/Gal	g/L
Total	0.06	7

Volatile Organic Compounds - Mexico

	LX02W50	
	LB/Gal	g/L
Coating Density	10.92	1308
	By wt	By vol
Total Volatiles	44.7%	59.7%
Exempt solvents		
Water	43.0%	57.4%
Non-Organic Volatiles		
Ammonium Hydroxide	0.2%	0.3%
Organic Volatiles	1.5%	2.0%
Percent Non-Volatile	55.3%	40.3%
VOC Content	LB/Gal	g/L
Total	0.16	19
Less exempt solvents	0.39	46
Of solids	0.41	49
Of solids	0.02 lb/lb	0.02 kg/kg

Hazardous Air Pollutants (Clean Air Act, Section 112(b))

	LX02W50	
	LB/Gal	kg/L
Volatile HAPS	0.00	0.000
Of solids	0.00	0.000
Of solids	0.00 lb/lb	0.00 kg/kg

Air Quality Data

Density of Organic Solvent Blend

8.01 lb/gal

Photochemically Reactive

No

Additional Regulatory Information

US EPA TSCA:

Not Applicable

Relevant identified uses of the substance or mixture and uses advised against:

Not Applicable

Waste Disposal

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Addition of reducers or other additives to this product may substantially alter the above data. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

ENVIRONMENTAL DATA SHEET

(Certified Product Data Sheet)

58 00 [0973]

Date of Preparation
Apr 7, 2023

PRODUCT NUMBER

A6W151

PRODUCT NAME

A-100® Exterior Acrylic Latex Flat, Extra White

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

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Hazard Category (for SARA 311.312)

A6W151 = | Acute | Chronic |

Product Weight

10.97 lb/gal

Specific Gravity

1.32

FLASH POINT

N.A.

Volatile Ingredients

Chemical / Compound	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
Water 7732-18-5	N	N	N	N	50	64

Regulated Compounds

	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
Zinc (as Zn)	N	Y	Y	N	2	
Zinc Compound	N	N	Y	N	2	

Volatile Organic Compounds - U.S. EPA / Canada

	A6W151	
	LB/Gal	g/L
Coating Density	10.97	1314
	By wt	By vol
Total Volatiles	50.6%	65.9%
Federally exempt solvents		
Water	49.6%	64.5%
Organic Volatiles	1.0%	1.3%
Percent Non-Volatile	49.4%	34.1%
VOC Content	LB/Gal	g/L
Total	0.11	13
Less exempt solvents	0.31	37
Of solids	0.32	38
Of solids	0.02 lb/lb	0.02 kg/kg
	By wt	
By wt LVP-VOC	0.0%	

Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.02**

Volatile Organic Compounds - California

	A6W151	
	LB/Gal	g/L
Coating Density	10.97	1314
	By wt	By vol
Total Volatiles	50.6%	65.9%
Exempt solvents		
Water	49.6%	64.5%
Organic Volatiles	1.0%	1.3%
Percent Non-Volatile	49.4%	34.1%
VOC Content	LB/Gal	g/L
Total	0.11	13
Less exempt solvents	0.31	37
Of solids	0.32	38
Of solids	0.02 lb/lb	0.02 kg/kg
	By wt	
By wt LVP-VOC	0.0%	

Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.02**

Volatile Organic Compounds - South Coast Air Quality Management District, California, US

	A6W151	
	LB/Gal	g/L
Coating Density	10.97	1314
	By wt	By vol
Total Volatiles	50.6%	65.9%
Exempt solvents		
Water	49.6%	64.5%
Organic Volatiles	1.0%	1.3%
Percent Non-Volatile	49.4%	34.1%
VOC Content	LB/Gal	g/L
Total	0.11	13
Less exempt solvents	0.31	37
Of solids	0.32	38
Of solids	0.02 lb/lb	0.02 kg/kg

Volatile Organic Compounds - EU Directive 2004/42/EC

	A6W151	
	By wt	By vol
Total Volatiles	50.3%	65.4%
VOC Content	LB/Gal	g/L
Total	0.07	8

Volatile Organic Compounds - EU Directive 2010/75/EU

	A6W151	
	By wt	By vol
Total Volatiles	50.3%	65.4%
VOC Content	LB/Gal	g/L
Total	0.07	8

Volatile Organic Compounds - Mexico

	A6W151	
	LB/Gal	g/L
Coating Density	10.97	1314
	By wt	By vol
Total Volatiles	50.6%	65.9%
Exempt solvents		
Water	49.6%	64.5%
Organic Volatiles	1.0%	1.3%
Percent Non-Volatile	49.4%	34.1%
VOC Content	LB/Gal	g/L
Total	0.11	13
Less exempt solvents	0.31	37
Of solids	0.32	38
Of solids	0.02 lb/lb	0.02 kg/kg

Hazardous Air Pollutants (Clean Air Act, Section 112(b))

	A6W151	
	LB/Gal	kg/L
Volatile HAPS	0.00	0.000
Of solids	0.00	0.000
Of solids	0.00 lb/lb	0.00 kg/kg

Air Quality Data

Density of Organic Solvent Blend

8.41 lb/gal

Photochemically Reactive

No

Additional Regulatory Information

US EPA TSCA:

Not Applicable

Relevant identified uses of the substance or mixture and uses advised against:

Not Applicable

Waste Disposal

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Addition of reducers or other additives to this product may substantially alter the above data. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

ENVIRONMENTAL DATA SHEET

(Certified Product Data Sheet)

Date of Preparation
Oct 16, 2020

11 00 [1800]

PRODUCT NUMBER

A8W151

PRODUCT NAME

A-100® Exterior Acrylic Latex Gloss, Extra White

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

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Hazard Category (for SARA 311.312)

A8W151 = | Acute | Chronic |

Product Weight

9.71 lb/gal

Specific Gravity

1.17

FLASH POINT

N.A.

Volatile Ingredients

Chemical / Compound	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
Water 7732-18-5	N	N	N	N	53	62

Regulated Compounds

	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
Zinc (as Zn)	N	Y	Y	N	2	
Zinc Compound	N	N	Y	N	2	

Volatile Organic Compounds - U.S. EPA / Canada

	A8W151	
	LB/Gal	g/L
Coating Density	9.71	1163
	By wt	By vol
Total Volatiles	54.6%	63.5%
Federally exempt solvents		
Water	53.4%	62.1%
Organic Volatiles	1.1%	1.2%
Percent Non-Volatile	45.4%	36.5%
VOC Content	LB/Gal	g/L
Total	0.11	13
Less exempt solvents	0.29	34
Of solids	0.30	36
Of solids	0.02 lb/lb	0.02 kg/kg
	By wt	
By wt LVP-VOC	0.0%	

Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.03**

Volatile Organic Compounds - California

	A8W151	
	LB/Gal	g/L
Coating Density	9.71	1163
	By wt	By vol
Total Volatiles	54.6%	63.5%
Exempt solvents		
Water	53.4%	62.1%
Organic Volatiles	1.1%	1.2%
Percent Non-Volatile	45.4%	36.5%
VOC Content	LB/Gal	g/L
Total	0.11	13
Less exempt solvents	0.29	34
Of solids	0.30	36
Of solids	0.02 lb/lb	0.02 kg/kg
	By wt	
By wt LVP-VOC	0.0%	

Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.02**

Volatile Organic Compounds - South Coast Air Quality Management District, California, US

	A8W151	
	LB/Gal	g/L
Coating Density	9.71	1163
	By wt	By vol
Total Volatiles	54.6%	63.5%
Exempt solvents		
Water	53.4%	62.1%
Organic Volatiles	1.1%	1.2%
Percent Non-Volatile	45.4%	36.5%
VOC Content	LB/Gal	g/L
Total	0.11	13
Less exempt solvents	0.29	34
Of solids	0.30	36
Of solids	0.02 lb/lb	0.02 kg/kg

Volatile Organic Compounds - EU Directive 2004/42/EC

	A8W151	
	By wt	By vol
Total Volatiles	54.3%	63.1%
VOC Content	LB/Gal	g/L
Total	0.08	9

Volatile Organic Compounds - EU Directive 2010/75/EU

	A8W151	
	By wt	By vol
Total Volatiles	54.3%	63.1%
VOC Content	LB/Gal	g/L
Total	0.08	9

Volatile Organic Compounds - Mexico

	A8W151	
	LB/Gal	g/L
Coating Density	9.71	1163
	By wt	By vol
Total Volatiles	54.6%	63.5%
Exempt solvents		
Water	53.4%	62.1%
Organic Volatiles	1.1%	1.2%
Percent Non-Volatile	45.4%	36.5%
VOC Content	LB/Gal	g/L
Total	0.11	13
Less exempt solvents	0.29	34
Of solids	0.30	36
Of solids	0.02 lb/lb	0.02 kg/kg

Hazardous Air Pollutants (Clean Air Act, Section 112(b))

	A8W151	
	LB/Gal	kg/L
Volatile HAPS	0.00	0.000
Of solids	0.00	0.000
Of solids	0.00 lb/lb	0.00 kg/kg

Air Quality Data

Density of Organic Solvent Blend

8.61 lb/gal

Photochemically Reactive

No

Additional Regulatory Information

US EPA TSCA:

Not Applicable

Relevant identified uses of the substance or mixture and uses advised against:

Not Applicable

Waste Disposal

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Addition of reducers or other additives to this product may substantially alter the above data. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

ENVIRONMENTAL DATA SHEET

(Certified Product Data Sheet)

Date of Preparation
Feb 21, 2023

37 00 [0093]

PRODUCT NUMBER

B51W620

PRODUCT NAME

PrepRite® ProBlock® Interior/Exterior Latex Primer/Sealer, White

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

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Hazard Category (for SARA 311.312)

B51W620 = | Acute | Chronic |

Product Weight

10.89 lb/gal

Specific Gravity

1.31

FLASH POINT

N.A.

Volatile Ingredients

Chemical / Compound	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
Water 7732-18-5	N	N	N	N	48	65

Volatile Organic Compounds - U.S. EPA / Canada

	B51W620	
	LB/Gal	g/L
Coating Density	10.89	1304
	By wt	By vol
Total Volatiles	48.4%	64.9%
Federally exempt solvents		
Water	48.3%	64.7%
Non-Organic Volatiles		
Ammonium Hydroxide	0.1%	0.2%
Organic Volatiles	0.0%	0.0%
Percent Non-Volatile	51.6%	35.1%
VOC Content	LB/Gal	g/L
Total	0.00	0
Less exempt solvents	0.00	0
Of solids	0.00	0
Of solids	0.00 lb/lb	0.00 kg/kg
	By wt	
By wt LVP-VOC	0.0%	

Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.00**

Volatile Organic Compounds - California

	B51W620	
	LB/Gal	g/L
Coating Density	10.89	1304
	By wt	By vol
Total Volatiles	48.4%	64.9%
Exempt solvents		
Water	48.3%	64.7%
Non-Organic Volatiles		
Ammonium Hydroxide	0.1%	0.2%
Organic Volatiles	0.0%	0.0%
Percent Non-Volatile	51.6%	35.1%
VOC Content	LB/Gal	g/L
Total	0.00	0
Less exempt solvents	0.00	0
Of solids	0.00	0
Of solids	0.00 lb/lb	0.00 kg/kg
	By wt	
By wt LVP-VOC	0.0%	

Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.00**

Volatile Organic Compounds - South Coast Air Quality Management District, California, US

	B51W620	
	LB/Gal	g/L
Coating Density	10.89	1304
	By wt	By vol
Total Volatiles	48.4%	64.9%
Exempt solvents		
Water	48.3%	64.7%
Non-Organic Volatiles		
Ammonium Hydroxide	0.1%	0.2%
Organic Volatiles	0.0%	0.0%
Percent Non-Volatile	51.6%	35.1%
VOC Content	LB/Gal	g/L
Total	0.00	0
Less exempt solvents	0.00	0
Of solids	0.00	0
Of solids	0.00 lb/lb	0.00 kg/kg

Volatile Organic Compounds - EU Directive 2004/42/EC

	B51W620	
	By wt	By vol
Total Volatiles	48.4%	64.9%
VOC Content	LB/Gal	g/L
Total	0.00	0

Volatile Organic Compounds - EU Directive 2010/75/EU

	B51W620	
	By wt	By vol
Total Volatiles	48.4%	64.9%
VOC Content	LB/Gal	g/L
Total	0.00	0

Volatile Organic Compounds - Mexico

	B51W620	
	LB/Gal	g/L
Coating Density	10.89	1304
	By wt	By vol
Total Volatiles	48.4%	64.9%
Exempt solvents		
Water	48.3%	64.7%
Non-Organic Volatiles		
Ammonium Hydroxide	0.1%	0.2%
Organic Volatiles	0.0%	0.0%
Percent Non-Volatile	51.6%	35.1%
VOC Content	LB/Gal	g/L
Total	0.00	0
Less exempt solvents	0.00	0
Of solids	0.00	0
Of solids	0.00 lb/lb	0.00 kg/kg

Hazardous Air Pollutants (Clean Air Act, Section 112(b))

	B51W620	
	LB/Gal	kg/L
Volatile HAPS	0.00	0.000
Of solids	0.00	0.000
Of solids	0.00 lb/lb	0.00 kg/kg

Air Quality Data

Density of Organic Solvent Blend

6.07 lb/gal

Photochemically Reactive

No

Additional Regulatory Information

US EPA TSCA:

Not Applicable

Relevant identified uses of the substance or mixture and uses advised against:

Not Applicable

Waste Disposal

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Addition of reducers or other additives to this product may substantially alter the above data. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

ENVIRONMENTAL DATA SHEET

(Certified Product Data Sheet)

Date of Preparation
Jan 23, 2023

05 00 [2312]

PRODUCT NUMBER

B66W1310

PRODUCT NAME

PRO INDUSTRIAL™ PRO-CRYL® Universal Acrylic Primer, Off White

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

This document includes all data required by 40 CFR 63.801(a) for a Certified Product Data Sheet under criteria specified in 40 CFR 63.805(a). All data given below are MAXIMUM THEORETICAL VALUES based on the product AS CURRENTLY FORMULATED. Variations may occur on individual batches due to adjustments made during production.

Hazard Category (for SARA 311.312)

B66W1310 = | Acute | Chronic |

Product Weight

10.09 lb/gal

Specific Gravity

1.21

FLASH POINT

N.A.

Volatile Ingredients

Chemical / Compound	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
Water 7732-18-5	N	N	N	N	49	59

Volatile Organic Compounds - U.S. EPA / Canada

	B66W1310	
	LB/Gal	g/L
Coating Density	10.09	1209
	By wt	By vol
Total Volatiles	50.5%	61.6%
Federally exempt solvents		
Water	48.9%	59.4%
Non-Organic Volatiles		
Ammonium Hydroxide	0.2%	0.2%
Organic Volatiles	1.3%	1.8%
Percent Non-Volatile	49.5%	38.4%
VOC Content	LB/Gal	g/L
Total	0.13	15
Less exempt solvents	0.32	39
Of solids	0.34	41
Of solids	0.02 lb/lb	0.02 kg/kg
	By wt	
By wt LVP-VOC	0.3%	

Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.02**

Volatile Organic Compounds - California

	B66W1310	
	LB/Gal	g/L
Coating Density	10.09	1209
	By wt	By vol
Total Volatiles	50.5%	61.6%
Exempt solvents		
Water	48.9%	59.4%
Non-Organic Volatiles		
Ammonium Hydroxide	0.2%	0.2%
Organic Volatiles	1.4%	1.9%
Percent Non-Volatile	49.5%	38.4%
VOC Content	LB/Gal	g/L
Total	0.14	17
Less exempt solvents	0.35	41
Of solids	0.37	44
Of solids	0.02 lb/lb	0.02 kg/kg
	By wt	
By wt LVP-VOC	0.4%	

Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.02**

Volatile Organic Compounds - South Coast Air Quality Management District, California, US

	B66W1310	
	LB/Gal	g/L
Coating Density	10.09	1209
	By wt	By vol
Total Volatiles	50.5%	61.6%
Exempt solvents		
Water	48.9%	59.4%
Non-Organic Volatiles		
Ammonium Hydroxide	0.2%	0.2%
Organic Volatiles	1.4%	1.9%
Percent Non-Volatile	49.5%	38.4%
VOC Content	LB/Gal	g/L
Total	0.14	17
Less exempt solvents	0.35	41
Of solids	0.37	44
Of solids	0.02 lb/lb	0.02 kg/kg

Volatile Organic Compounds - EU Directive 2004/42/EC

	B66W1310	
	By wt	By vol
Total Volatiles	50.5%	61.6%
VOC Content	LB/Gal	g/L
Total	0.14	17

Volatile Organic Compounds - EU Directive 2010/75/EU

	B66W1310	
	By wt	By vol
Total Volatiles	49.4%	60.2%
VOC Content	LB/Gal	g/L
Total	0.03	4

Volatile Organic Compounds - Mexico

	B66W1310	
	LB/Gal	g/L
Coating Density	10.09	1209
	By wt	By vol
Total Volatiles	50.5%	61.6%
Exempt solvents		
Water	48.9%	59.4%
Non-Organic Volatiles		
Ammonium Hydroxide	0.2%	0.2%
Organic Volatiles	1.4%	1.9%
Percent Non-Volatile	49.5%	38.4%
VOC Content	LB/Gal	g/L
Total	0.14	17
Less exempt solvents	0.35	41
Of solids	0.37	44
Of solids	0.02 lb/lb	0.02 kg/kg

Hazardous Air Pollutants (Clean Air Act, Section 112(b))

	B66W1310	
	LB/Gal	kg/L
Volatile HAPS	0.00	0.000
Of solids	0.00	0.000
Of solids	0.00 lb/lb	0.00 kg/kg

Air Quality Data**Density of Organic Solvent Blend**

7.23 lb/gal

Photochemically Reactive

No

Additional Regulatory Information**US EPA TSCA:**

Not Applicable

Relevant identified uses of the substance or mixture and uses advised against:

Not Applicable

Waste Disposal

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Addition of reducers or other additives to this product may substantially alter the above data. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

ENVIRONMENTAL DATA SHEET

(Certified Product Data Sheet)

Date of Preparation
Nov 26, 2022

12 00 [3302]

PRODUCT NUMBER

B53W2151

PRODUCT NAME

PRO INDUSTRIAL™ Waterbased Alkyd Urethane Semi-Gloss, Extra White

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

This document includes all data required by 40 CFR 63.801(a) for a Certified Product Data Sheet under criteria specified in 40 CFR 63.805(a). All data given below are MAXIMUM THEORETICAL VALUES based on the product AS CURRENTLY FORMULATED. Variations may occur on individual batches due to adjustments made during production.

Hazard Category (for SARA 311.312)

B53W2151 = | Chronic |

Product Weight

10.93 lb/gal

Specific Gravity

1.32

FLASH POINT

N.A.

Volatile Ingredients

Chemical / Compound	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
Water 7732-18-5	N	N	N	N	48	64

Volatile Organic Compounds - U.S. EPA / Canada

	B53W2151	
	LB/Gal	g/L
Coating Density	10.93	1310
	By wt	By vol
Total Volatiles	49.0%	66.1%
Federally exempt solvents		
Water	47.7%	64.1%
2-Amino-2-Methyl-1-Propanol	0.1%	0.2%
Organic Volatiles	1.1%	1.8%
Percent Non-Volatile	51.0%	33.9%
VOC Content	LB/Gal	g/L
Total	0.11	14
Less exempt solvents	0.32	39
Of solids	0.34	41
Of solids	0.02 lb/lb	0.02 kg/kg
	By wt	
By wt LVP-VOC	0.7%	

Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.14**

Volatile Organic Compounds - California

	B53W2151	
	LB/Gal	g/L
Coating Density	10.93	1310
	By wt	By vol
Total Volatiles	49.0%	66.1%
Exempt solvents		
Water	47.7%	64.1%
Organic Volatiles	1.2%	2.0%
Percent Non-Volatile	51.0%	33.9%
VOC Content	LB/Gal	g/L
Total	0.13	15
Less exempt solvents	0.36	43
Of solids	0.38	46
Of solids	0.02 lb/lb	0.02 kg/kg
	By wt	
By wt LVP-VOC	0.9%	

Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.03**

Volatile Organic Compounds - South Coast Air Quality Management District, California, US

	B53W2151	
	LB/Gal	g/L
Coating Density	10.93	1310
	By wt	By vol
Total Volatiles	49.0%	66.1%
Exempt solvents		
Water	47.7%	64.1%
Organic Volatiles	1.2%	2.0%
Percent Non-Volatile	51.0%	33.9%
VOC Content	LB/Gal	g/L
Total	0.13	15
Less exempt solvents	0.36	43
Of solids	0.38	46
Of solids	0.02 lb/lb	0.02 kg/kg

Volatile Organic Compounds - EU Directive 2004/42/EC

	B53W2151	
	By wt	By vol
Total Volatiles	49.0%	66.1%
VOC Content	LB/Gal	g/L
Total	0.13	16

Volatile Organic Compounds - EU Directive 2010/75/EU

	B53W2151	
	By wt	By vol
Total Volatiles	49.0%	66.1%
VOC Content	LB/Gal	g/L
Total	0.13	16

Volatile Organic Compounds - Mexico

	B53W2151	
	LB/Gal	g/L
Coating Density	10.93	1310
	By wt	By vol
Total Volatiles	49.0%	66.1%
Exempt solvents		
Water	47.7%	64.1%
Organic Volatiles	1.2%	2.0%
Percent Non-Volatile	51.0%	33.9%
VOC Content	LB/Gal	g/L
Total	0.13	15
Less exempt solvents	0.36	43
Of solids	0.38	46
Of solids	0.02 lb/lb	0.02 kg/kg

Hazardous Air Pollutants (Clean Air Act, Section 112(b))

	B53W2151	
	LB/Gal	kg/L
Volatile HAPS	0.00	0.000
Of solids	0.00	0.000
Of solids	0.00 lb/lb	0.00 kg/kg

Air Quality Data

Density of Organic Solvent Blend

6.66 lb/gal

Photochemically Reactive

No

Additional Regulatory Information

US EPA TSCA:

This product contains iron(1+), chloro[rel-1,5-dimethyl (1R,2S,4R,5S)-9,9-dihydroxy-3-methyl-2,4-di(2-pyridinyl-.kappa.N)-7-[(2-pyridinyl-.kappa.N)methyl]-3,7-diazabicyclo[3.3.1]nonane-1,5-dicarboxylate-.kappa.N3,.kappa.N7]- chloride (1:1), (OC-6-63)- (CAS No. 478945-46-9) which is subject to a SNUR (Significant New Use Rule) codified as 40 CFR 721.10414. Refer to 40 CFR 721.10414 to ensure compliance with the SNUR requirements.

Relevant identified uses of the substance or mixture and uses advised against:

Not Applicable

Waste Disposal

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Addition of reducers or other additives to this product may substantially alter the above data. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

Safety Data Sheets

SAFETY DATA SHEET

LX02W50

Section 1. Identification

Product name : LOXON® Concrete & Masonry Primer/Sealer
White

Product code : LX02W50

Other means of identification : Not available.

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Paint or paint related material.

Manufacturer : THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

Emergency telephone number of the company : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Product Information Telephone Number : US / Canada: 1-800-474-3794
Mexico: Not Available

Regulatory Information Telephone Number : US / Canada: (216) 566-2902
Mexico: Not Available

Transportation Emergency Telephone Number : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : CARCINOGENICITY - Category 1A
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1
Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 7.8% (oral), 7.8% (dermal), 7.8% (inhalation)

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : May cause cancer.
Causes damage to organs through prolonged or repeated exposure.

Precautionary statements

General : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Section 2. Hazards identification

- Prevention** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.
- Response** : IF exposed or concerned: Get medical advice or attention.
- Storage** : Store locked up.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Supplemental label elements** WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Adequate ventilation required when sanding or abrading the dried film. If Adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Abrading or sanding of the dry film may release Crystalline Silica which has been shown to cause lung damage and cancer under long term exposure. Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.
- Hazards not otherwise classified** : None known.

Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Not available.

CAS number/other identifiers

Ingredient name	% by weight	CAS number
Titanium Dioxide	≥10 - ≤25	13463-67-7
Crystalline Silica, respirable powder	≤10	14808-60-7
Zinc Oxide	≤3	1314-13-2
Heavy Paraffinic Oil	≤1	64742-65-0

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Section 4. First aid measures

- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.
Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Section 5. Fire-fighting measures

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	CAS #	Exposure limits
Titanium Dioxide	13463-67-7	OSHA PEL (United States, 5/2018). TWA: 15 mg/m ³ 8 hours. Form: Total dust ACGIH TLV (United States, 1/2022). TWA: 2.5 mg/m ³ 8 hours. Form: respirable fraction, finescale particles
Crystalline Silica, respirable powder	14808-60-7	OSHA PEL Z3 (United States, 6/2016). TWA: 250 mppcf / (%SiO ₂ +5) 8 hours. Form: Respirable TWA: 10 mg/m ³ / (%SiO ₂ +2) 8 hours. Form: Respirable OSHA PEL (United States, 5/2018). [Silica, crystalline] TWA: 50 µg/m ³ 8 hours. Form: Respirable dust ACGIH TLV (United States, 1/2022). [Silica, crystalline] TWA: 0.025 mg/m ³ 8 hours. Form: Respirable fraction NIOSH REL (United States, 10/2020). [SILICA, CRYSTALLINE] TWA: 0.05 mg/m ³ 10 hours. Form: respirable dust
Zinc Oxide	1314-13-2	NIOSH REL (United States, 10/2020). CEIL: 15 mg/m ³ Form: Dust TWA: 5 mg/m ³ 10 hours. Form: Dust and fumes STEL: 10 mg/m ³ 15 minutes. Form: Fume OSHA PEL (United States, 5/2018). TWA: 5 mg/m ³ 8 hours. Form: Fume TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction TWA: 15 mg/m ³ 8 hours. Form: Total dust ACGIH TLV (United States, 1/2022). TWA: 2 mg/m ³ 8 hours. Form: Respirable fraction STEL: 10 mg/m ³ 15 minutes. Form: Respirable fraction
Heavy Paraffinic Oil	64742-65-0	OSHA PEL (United States, 5/2018). [Oil mist, mineral] TWA: 5 mg/m ³ 8 hours. ACGIH TLV (United States, 1/2022). [Mineral Oil, pure, highly and severely refined]

Section 8. Exposure controls/personal protection

		<p>TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction NIOSH REL (United States, 10/2020). [OIL MIST MINERAL] TWA: 5 mg/m³ 10 hours. Form: Mist STEL: 10 mg/m³ 15 minutes. Form: Mist</p>
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Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
Titanium dioxide	13463-67-7	<p>CA British Columbia Provincial (Canada, 3/2022). TWA: 10 mg/m³ 8 hours. Form: Total dust TWA: 3 mg/m³ 8 hours. Form: respirable fraction CA Quebec Provincial (Canada, 6/2021). TWAEV: 10 mg/m³ 8 hours. Form: Total dust. CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 10 mg/m³ 8 hours. CA Ontario Provincial (Canada, 6/2019). TWA: 10 mg/m³ 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 20 mg/m³ 15 minutes. TWA: 10 mg/m³ 8 hours.</p>
Quartz	14808-60-7	<p>CA British Columbia Provincial (Canada, 3/2022). [Silica, Crystalline - alpha quartz and Cristobalite] TWA: 0.025 mg/m³ 8 hours. Form: Respirable CA Quebec Provincial (Canada, 6/2021). [Silica Crystalline -Quartz] TWAEV: 0.1 mg/m³ 8 hours. Form: Respirable dust. CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 0.025 mg/m³ 8 hours. Form: Respirable particulate CA Ontario Provincial (Canada, 6/2019). [Silica, Crystalline (Quartz/Tripoli)] TWA: 0.1 mg/m³ 8 hours. Form: Respirable particulate matter. CA Saskatchewan Provincial (Canada, 7/2013). TWA: 0.05 mg/m³ 8 hours. Form: respirable fraction</p>
Zinc Oxide	1314-13-2	<p>CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 2 mg/m³ 8 hours. Form: Respirable 15 min OEL: 10 mg/m³ 15 minutes. Form: Respirable CA British Columbia Provincial (Canada, 3/2022). TWA: 2 mg/m³ 8 hours. Form: Respirable STEL: 10 mg/m³ 15 minutes. Form: Respirable CA Quebec Provincial (Canada, 6/2021). TWAEV: 2 mg/m³ 8 hours. Form: Respirable</p>

Section 8. Exposure controls/personal protection

		dust. STEV: 10 mg/m ³ 15 minutes. Form: Respirable dust. CA Ontario Provincial (Canada, 6/2019). TWA: 2 mg/m ³ 8 hours. Form: Respirable particulate matter. STEL: 10 mg/m ³ 15 minutes. Form: Respirable particulate matter. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 10 mg/m ³ 15 minutes. Form: respirable dust and fume TWA: 2 mg/m ³ 8 hours. Form: respirable dust and fume
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Occupational exposure limits (Mexico)

	CAS #	Exposure limits
Crystalline Silica, respirable powder	14808-60-7	NOM-010-STPS-2014 (Mexico, 4/2016). TWA: 0.025 mg/m ³ 8 hours. Form: Respirable fraction
Zinc Oxide	1314-13-2	NOM-010-STPS-2014 (Mexico, 4/2016). TWA: 2 mg/m ³ 8 hours. Form: Respirable fraction STEL: 10 mg/m ³ 15 minutes. Form: Respirable fraction

- Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Section 8. Exposure controls/personal protection

- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

- Physical state** : Liquid.
- Color** : Not available.
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : 9.5
- Melting point/freezing point** : Not available.
- Boiling point, initial boiling point, and boiling range** : 100°C (212°F)
- Flash point** : Closed cup: Not applicable.
- Evaporation rate** : 0.09 (butyl acetate = 1)
- Flammability** : Not available.
- Lower and upper explosion limit/flammability limit** : Not available.
- Vapor pressure** : 2.3 kPa (17.5 mm Hg)
- Relative vapor density** : 1 [Air = 1]
- Relative density** : 1.31
- Solubility(ies)** :

Media	Result
cold water	Partially soluble

- Partition coefficient: n-octanol/water** : Not applicable.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not available.
- Viscosity** : Kinematic (40°C (104°F)): >20.5 mm²/s (>20.5 cSt)
- Molecular weight** : Not applicable.
- Aerosol product**
- Heat of combustion** : 1.513 kJ/g

Section 10. Stability and reactivity

- Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

Section 10. Stability and reactivity

Conditions to avoid : No specific data.

Incompatible materials : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Heavy Paraffinic Oil	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium Dioxide	Skin - Mild irritant	Human	-	72 hours 300 ug l	-
Zinc Oxide	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide	-	2B	-
Crystalline Silica, respirable powder	-	1	Known to be a human carcinogen.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Crystalline Silica, respirable powder	Category 1	inhalation	-

Aspiration hazard

Section 11. Toxicological information

Name	Result
Heavy Paraffinic Oil	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.
Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : Causes damage to organs through prolonged or repeated exposure.
Carcinogenicity : May cause cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium Dioxide	Acute LC50 >1000000 µg/l Marine water	Fish - Fundulus heteroclitus	96 hours
Zinc Oxide	Acute IC50 1.85 mg/l Marine water	Algae - Skeletonema costatum	96 hours
	Acute LC50 98 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 1.1 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours

Persistence and degradability

Not available.

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Zinc Oxide	-	28960	high

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-
Packing group	-	-	-	-	-

Section 14. Transport information

Environmental hazards	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-

Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Transport in bulk according to IMO instruments : Not available.

Proper shipping name : Not available.

Section 15. Regulatory information

TSCA 5(a)2 proposed significant new use rules: 2-Methyl-4-isothiazolin-3-one; 5-Chloro-2-methylisothiazolinone

SARA 313

SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

International regulations

International lists

- Australia inventory (AIIIC):** Not determined.
- China inventory (IECSC):** Not determined.
- Japan inventory (CSCL):** Not determined.
- Japan inventory (ISHL):** Not determined.
- Korea inventory (KECI):** Not determined.
- New Zealand Inventory of Chemicals (NZIoC):** Not determined.
- Philippines inventory (PICCS):** Not determined.
- Taiwan Chemical Substances Inventory (TCSI):** Not determined.
- Thailand inventory:** Not determined.
- Turkey inventory:** Not determined.
- Vietnam inventory:** Not determined.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health	*	3
Flammability		0
Physical hazards		0

Section 16. Other information

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

Procedure used to derive the classification

Classification	Justification
CARCINOGENICITY - Category 1A	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1	Calculation method

History

Date of printing : 1/13/2023

Date of issue/Date of revision : 1/13/2023

Date of previous issue : 11/27/2022

Version : 14.03

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
SGG = Segregation Group
UN = United Nations

📌 Indicates information that has changed from previously issued version.

Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.


SAFETY DATA SHEET

A6W151

Section 1. Identification

Product name	: A-100® Exterior Acrylic Latex Flat Extra White
Product code	: A6W151
Other means of identification	: Not available.
Product type	: Liquid.
<u>Relevant identified uses of the substance or mixture and uses advised against</u>	
Paint or paint related material.	
Manufacturer	: THE SHERWIN-WILLIAMS COMPANY 101 W. Prospect Avenue Cleveland, OH 44115
Emergency telephone number of the company	: US / Canada: (800) 424-9300 Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year
Product Information Telephone Number	: US / Canada: 1-800-474-3794 Mexico: Not Available
Regulatory Information Telephone Number	: US / Canada: (216) 566-2902 Mexico: Not Available
Transportation Emergency Telephone Number	: US / Canada: (800) 424-9300 Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Section 2. Hazards identification

OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	: CARCINOGENICITY - Category 1A
<u>GHS label elements</u>	
Hazard pictograms	: 
Signal word	: Danger
Hazard statements	: May cause cancer.
<u>Precautionary statements</u>	
General	: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
Prevention	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection.
Response	: IF exposed or concerned: Get medical advice or attention.

Section 2. Hazards identification

- Storage** : Store locked up.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Supplemental label elements** WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Adequate ventilation required when sanding or abrading the dried film. If Adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Abrading or sanding of the dry film may release Crystalline Silica which has been shown to cause lung damage and cancer under long term exposure. Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.
- Hazards not otherwise classified** : None known.

Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Not available.

CAS number/other identifiers

Ingredient name	% by weight	CAS number
Titanium Dioxide	≥10 - ≤25	13463-67-7
Zinc Oxide	≤3	1314-13-2
Heavy Paraffinic Oil	≤1	64742-65-0
Cristobalite, respirable powder	≤0.3	14464-46-1

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Section 4. First aid measures

- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.
Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Section 5. Fire-fighting measures

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	CAS #	Exposure limits
Titanium Dioxide	13463-67-7	OSHA PEL (United States, 5/2018). TWA: 15 mg/m ³ 8 hours. Form: Total dust ACGIH TLV (United States, 1/2022). TWA: 2.5 mg/m ³ 8 hours. Form: respirable fraction, finescale particles
Zinc Oxide	1314-13-2	NIOSH REL (United States, 10/2020). CEIL: 15 mg/m ³ Form: Dust TWA: 5 mg/m ³ 10 hours. Form: Dust and fumes STEL: 10 mg/m ³ 15 minutes. Form: Fume OSHA PEL (United States, 5/2018). TWA: 5 mg/m ³ 8 hours. Form: Fume TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction TWA: 15 mg/m ³ 8 hours. Form: Total dust ACGIH TLV (United States, 1/2022). TWA: 2 mg/m ³ 8 hours. Form: Respirable fraction STEL: 10 mg/m ³ 15 minutes. Form: Respirable fraction
Heavy Paraffinic Oil	64742-65-0	OSHA PEL (United States, 5/2018). [Oil mist, mineral] TWA: 5 mg/m ³ 8 hours. ACGIH TLV (United States, 1/2022). [Mineral Oil, pure, highly and severely refined] TWA: 5 mg/m ³ 8 hours. Form: Inhalable fraction NIOSH REL (United States, 10/2020). [OIL MIST MINERAL] TWA: 5 mg/m ³ 10 hours. Form: Mist STEL: 10 mg/m ³ 15 minutes. Form: Mist
Cristobalite, respirable powder	14464-46-1	OSHA PEL Z3 (United States, 6/2016). TWA: 250 mppcf / 2 x (%SiO ₂ +5) 8 hours. Form: Respirable TWA: 10 mg/m ³ / 2 x (%SiO ₂ +2) 8 hours. Form: Respirable TWA: 30 mg/m ³ / 2 x (%SiO ₂ +2) 8 hours. Form: Total dust OSHA PEL (United States, 5/2018). [Silica, crystalline] TWA: 50 µg/m ³ 8 hours. Form: Respirable dust ACGIH TLV (United States, 1/2022). [Silica,

Section 8. Exposure controls/personal protection

		<p>crystalline] TWA: 0.025 mg/m³ 8 hours. Form: Respirable fraction NIOSH REL (United States, 10/2020). [SILICA, CRYSTALLINE] TWA: 0.05 mg/m³ 10 hours. Form: respirable dust</p>
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Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
Titanium dioxide	13463-67-7	<p>CA British Columbia Provincial (Canada, 3/2022). TWA: 10 mg/m³ 8 hours. Form: Total dust TWA: 3 mg/m³ 8 hours. Form: respirable fraction CA Quebec Provincial (Canada, 6/2021). TWAEV: 10 mg/m³ 8 hours. Form: Total dust. CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 10 mg/m³ 8 hours. CA Ontario Provincial (Canada, 6/2019). TWA: 10 mg/m³ 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 20 mg/m³ 15 minutes. TWA: 10 mg/m³ 8 hours.</p>
Zinc Oxide	1314-13-2	<p>CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 2 mg/m³ 8 hours. Form: Respirable 15 min OEL: 10 mg/m³ 15 minutes. Form: Respirable CA British Columbia Provincial (Canada, 3/2022). TWA: 2 mg/m³ 8 hours. Form: Respirable STEL: 10 mg/m³ 15 minutes. Form: Respirable CA Quebec Provincial (Canada, 6/2021). TWAEV: 2 mg/m³ 8 hours. Form: Respirable dust. STEV: 10 mg/m³ 15 minutes. Form: Respirable dust. CA Ontario Provincial (Canada, 6/2019). TWA: 2 mg/m³ 8 hours. Form: Respirable particulate matter. STEL: 10 mg/m³ 15 minutes. Form: Respirable particulate matter. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 10 mg/m³ 15 minutes. Form: respirable dust and fume TWA: 2 mg/m³ 8 hours. Form: respirable dust and fume</p>
Cristobalite	14464-46-1	<p>CA British Columbia Provincial (Canada, 3/2022). [Silica, Crystalline - alpha quartz and Cristobalite] TWA: 0.025 mg/m³ 8 hours. Form:</p>

Section 8. Exposure controls/personal protection

		Respirable CA Quebec Provincial (Canada, 6/2021). TWAEV: 0.05 mg/m ³ 8 hours. Form: Respirable dust. CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 0.025 mg/m ³ 8 hours. Form: Respirable particulate CA Ontario Provincial (Canada, 6/2019). TWA: 0.05 mg/m ³ 8 hours. Form: Respirable particulate matter. CA Saskatchewan Provincial (Canada, 7/2013). TWA: 0.05 mg/m ³ 8 hours. Form: respirable fraction
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Occupational exposure limits (Mexico)

	CAS #	Exposure limits
Zinc Oxide	1314-13-2	NOM-010-STPS-2014 (Mexico, 4/2016). TWA: 2 mg/m ³ 8 hours. Form: Respirable fraction STEL: 10 mg/m ³ 15 minutes. Form: Respirable fraction

Appropriate engineering controls : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Section 8. Exposure controls/personal protection

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state : Liquid.
Color : Not available.
Odor : Not available.
Odor threshold : Not available.
pH : 9
Melting point/freezing point : Not available.
Boiling point, initial boiling point, and boiling range : 100°C (212°F)
Flash point : Closed cup: Not applicable.
Evaporation rate : 0.09 (butyl acetate = 1)
Flammability : Not available.
Lower and upper explosion limit/flammability limit : Not available.
Vapor pressure : 2.3 kPa (17.5 mm Hg)
Relative vapor density : 1 [Air = 1]
Relative density : 1.32
Solubility(ies) :

Media	Result
cold water	Partially soluble

Partition coefficient: n-octanol/water : Not applicable.
Auto-ignition temperature : Not available.
Decomposition temperature : Not available.
Viscosity : Kinematic (40°C (104°F)): >20.5 mm²/s (>20.5 cSt)
Molecular weight : Not applicable.
Aerosol product
Heat of combustion : 1.212 kJ/g

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.
Chemical stability : The product is stable.
Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid : No specific data.

Section 10. Stability and reactivity

Incompatible materials : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Heavy Paraffinic Oil	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium Dioxide	Skin - Mild irritant	Human	-	72 hours 300 ug l	-
Zinc Oxide	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide Cristobalite, respirable powder	- -	2B 1	- Known to be a human carcinogen.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Cristobalite, respirable powder	Category 1	inhalation	respiratory tract

Aspiration hazard

Section 11. Toxicological information

Name	Result
Heavy Paraffinic Oil	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure : Not available.

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

Long term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

Potential chronic health effects

Not available.

- General** : No known significant effects or critical hazards.
- Carcinogenicity** : May cause cancer. Risk of cancer depends on duration and level of exposure.
- Mutagenicity** : No known significant effects or critical hazards.
- Teratogenicity** : No known significant effects or critical hazards.
- Developmental effects** : No known significant effects or critical hazards.
- Fertility effects** : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium Dioxide	Acute LC50 >1000000 µg/l Marine water	Fish - Fundulus heteroclitus	96 hours
Zinc Oxide	Acute IC50 1.85 mg/l Marine water	Algae - Skeletonema costatum	96 hours
	Acute LC50 98 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 1.1 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours

Persistence and degradability

Not available.

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Zinc Oxide	-	28960	high

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

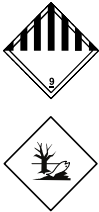
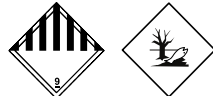
Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	Not regulated.	Not regulated.	Not regulated.	UN3082	UN3082
UN proper shipping name	-	-	-	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Zinc Pyrithione, Zinc Oxide)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Zinc Pyrithione, Zinc Oxide). Marine pollutant (Zinc Pyrithione, Zinc Oxide)

Section 14. Transport information					
Transport hazard class(es)	-	-	-	9 	9 
Packing group	-	-	-	III	III
Environmental hazards	No.	No.	No.	Yes.	Yes.
Additional information	-	-	-	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. Emergency schedules F-A, S-F

Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Transport in bulk according to IMO instruments : Not available.

Proper shipping name : Not available.

Section 15. Regulatory information

TSCA 5(a)2 proposed significant new use rules: 2-Methyl-4-isothiazolin-3-one; 5-Chloro-2-methylisothiazolinone

SARA 313

SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Section 15. Regulatory information

International regulations

International lists

- : **Australia inventory (AIC)**: Not determined.
- China inventory (IECSC)**: Not determined.
- Japan inventory (CSCL)**: Not determined.
- Japan inventory (ISHL)**: Not determined.
- Korea inventory (KECI)**: Not determined.
- New Zealand Inventory of Chemicals (NZIoC)**: Not determined.
- Philippines inventory (PICCS)**: Not determined.
- Taiwan Chemical Substances Inventory (TCSI)**: Not determined.
- Thailand inventory**: Not determined.
- Turkey inventory**: Not determined.
- Vietnam inventory**: Not determined.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health	*	1
Flammability		0
Physical hazards		0

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

Procedure used to derive the classification

Classification	Justification
CARCINOGENICITY - Category 1A	Calculation method

History

Date of printing : 1/27/2023

Date of issue/Date of revision : 1/27/2023

Date of previous issue : 12/1/2022

Version : 21.02

Key to abbreviations :

- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- N/A = Not available
- SGG = Segregation Group
- UN = United Nations

▣ Indicates information that has changed from previously issued version.

Notice to reader

Section 16. Other information

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.

SAFETY DATA SHEET

A8W151

Section 1. Identification

Product name : A-100® Exterior Acrylic Latex Gloss
Extra White

Product code : A8W151

Other means of identification : Not available.

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Paint or paint related material.

Manufacturer : THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

Emergency telephone number of the company : US / Canada: (800) 424-9300
Mexico: SETIQ 01-800-00-214-00 / (52) 55-5559-1588 24 hours / 365 days a year

Product Information Telephone Number : US / Canada: 1-800-474-3794
Mexico: Not Available

Regulatory Information Telephone Number : US / Canada: (216) 566-2902
Mexico: Not Available

Transportation Emergency Telephone Number : US / Canada: (800) 424-9300
Mexico: SETIQ 01-800-00-214-00 / (52) 55-5559-1588 24 hours / 365 days a year

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : CARCINOGENICITY - Category 2

GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : Suspected of causing cancer.

Precautionary statements

General : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection.

Response : IF exposed or concerned: Get medical advice or attention.

Storage : Store locked up.

Section 2. Hazards identification

- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Supplemental label elements** : WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.
- Hazards not otherwise classified** : None known.

Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Not available.

CAS number/other identifiers

Ingredient name	% by weight	CAS number
Titanium Dioxide	≥10 - ≤25	13463-67-7
Zinc Oxide	≤3	1314-13-2
Heavy Paraffinic Oil	≤1	64742-65-0

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.

Section 4. First aid measures

- Inhalation** : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.
Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments : No specific treatment.
Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions :

Section 6. Accidental release measures

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	CAS #	Exposure limits
Titanium Dioxide	13463-67-7	ACGIH TLV (United States, 3/2020). TWA: 10 mg/m ³ 8 hours.
Zinc Oxide	1314-13-2	OSHA PEL (United States, 5/2018). TWA: 15 mg/m ³ 8 hours. Form: Total dust NIOSH REL (United States, 10/2016). CEIL: 15 mg/m ³ Form: Dust TWA: 5 mg/m ³ 10 hours. Form: Dust and fumes

Section 8. Exposure controls/personal protection

Heavy Paraffinic Oil	64742-65-0	<p>STEL: 10 mg/m³ 15 minutes. Form: Fume OSHA PEL (United States, 5/2018). TWA: 5 mg/m³ 8 hours. Form: Fume TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 15 mg/m³ 8 hours. Form: Total dust ACGIH TLV (United States, 3/2020). TWA: 2 mg/m³ 8 hours. Form: Respirable fraction STEL: 10 mg/m³ 15 minutes. Form: Respirable fraction</p> <p>OSHA PEL (United States, 5/2018). TWA: 5 mg/m³ 8 hours. ACGIH TLV (United States, 3/2020). TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction NIOSH REL (United States, 10/2016). TWA: 5 mg/m³ 10 hours. Form: Mist STEL: 10 mg/m³ 15 minutes. Form: Mist</p>
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Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
Titanium dioxide	13463-67-7	<p>CA British Columbia Provincial (Canada, 1/2020). TWA: 10 mg/m³ 8 hours. Form: Total dust TWA: 3 mg/m³ 8 hours. Form: respirable fraction</p> <p>CA Quebec Provincial (Canada, 7/2019). TWAEV: 10 mg/m³ 8 hours. Form: Total dust.</p> <p>CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 10 mg/m³ 8 hours.</p> <p>CA Ontario Provincial (Canada, 6/2019). TWA: 10 mg/m³ 8 hours.</p> <p>CA Saskatchewan Provincial (Canada, 7/2013). STEL: 20 mg/m³ 15 minutes. TWA: 10 mg/m³ 8 hours.</p>
Zinc Oxide	1314-13-2	<p>CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 2 mg/m³ 8 hours. Form: Respirable 15 min OEL: 10 mg/m³ 15 minutes. Form: Respirable</p> <p>CA British Columbia Provincial (Canada, 1/2020). TWA: 2 mg/m³ 8 hours. Form: Respirable STEL: 10 mg/m³ 15 minutes. Form: Respirable</p> <p>CA Ontario Provincial (Canada, 6/2019). TWA: 2 mg/m³ 8 hours. Form: Respirable fraction. STEL: 10 mg/m³ 15 minutes. Form: Respirable fraction.</p> <p>CA Quebec Provincial (Canada, 7/2019). TWAEV: 5 mg/m³ 8 hours. Form: fume STEV: 10 mg/m³ 15 minutes. Form: fume</p> <p>CA Saskatchewan Provincial (Canada, 7/2013).</p>

Section 8. Exposure controls/personal protection

STEL: 10 mg/m³ 15 minutes. Form: respirable dust and fume
TWA: 2 mg/m³ 8 hours. Form: respirable dust and fume

Occupational exposure limits (Mexico)

	CAS #	Exposure limits
Zinc Oxide	1314-13-2	NOM-010-STPS-2014 (Mexico, 4/2016). TWA: 2 mg/m ³ 8 hours. Form: Respirable fraction STEL: 10 mg/m ³ 15 minutes. Form: Respirable fraction

Appropriate engineering controls : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance

Physical state	: Liquid.
Color	: Not available.
Odor	: Not available.
Odor threshold	: Not available.
pH	: 9
Melting point/freezing point	: Not available.
Boiling point/boiling range	: 100°C (212°F)
Flash point	: Closed cup: Not applicable.
Evaporation rate	: 0.09 (butyl acetate = 1)
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not available.
Vapor pressure	: 2.3 kPa (17.5 mm Hg) [at 20°C]
Vapor density	: 1 [Air = 1]
Relative density	: 1.16
Solubility	: Not available.
Partition coefficient: n-octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Kinematic (40°C (104°F)): >0.205 cm ² /s (>20.5 cSt)
Molecular weight	: Not applicable.
<u>Aerosol product</u>	
Heat of combustion	: 1.155 kJ/g

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Heavy Paraffinic Oil	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium Dioxide	Skin - Mild irritant	Human	-	72 hours 300 ug l	-
Zinc Oxide	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide	-	2B	-

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Name	Result
Heavy Paraffinic Oil	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Section 11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects	: Not available.
Potential delayed effects	: Not available.

Long term exposure

Potential immediate effects	: Not available.
Potential delayed effects	: Not available.

Potential chronic health effects

Not available.

General	: No known significant effects or critical hazards.
Carcinogenicity	: Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium Dioxide Zinc Oxide	Acute LC50 >1000000 µg/l Marine water	Fish - Fundulus heteroclitus	96 hours
	Acute IC50 1.85 mg/l Marine water	Algae - Skeletonema costatum	96 hours
	Acute IC50 46 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata - Exponential growth phase	72 hours
	Acute LC50 98 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 1.1 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours

Persistence and degradability

Not available.

Bioaccumulative potential

Section 12. Ecological information

Product/ingredient name	LogP _{ow}	BCF	Potential
Zinc Oxide	-	28960	high

Mobility in soil





Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	Not regulated.	Not regulated.	Not regulated.	UN3082	UN3082
UN proper shipping name	-	-	-	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Zinc Oxide, Zinc Pyrithione)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Zinc Oxide, Zinc Pyrithione). Marine pollutant (Zinc Oxide, Zinc Pyrithione)
Transport hazard class(es)	-	-	-	9  	9  
Packing group	-	-	-	III	III
Environmental hazards	No.	No.	No.	Yes.	Yes.

Section 14. Transport information

<p>Additional information</p>	-	-	-	<p>This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.</p>	<p>This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. Emergency schedules F-A, S-F</p>
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Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Transport in bulk according to IMO instruments : Not available.

Proper shipping name : Not available.

Section 15. Regulatory information

SARA 313

SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

International regulations

International lists

- : **Australia inventory (AICS)**: Not determined.
- China inventory (IECSC)**: Not determined.
- Japan inventory (ENCS)**: Not determined.
- Japan inventory (ISHL)**: Not determined.
- Korea inventory (KECI)**: Not determined.
- New Zealand Inventory of Chemicals (NZIoC)**: Not determined.
- Philippines inventory (PICCS)**: Not determined.
- Taiwan Chemical Substances Inventory (TCSI)**: Not determined.
- Thailand inventory**: Not determined.
- Turkey inventory**: Not determined.
- Vietnam inventory**: Not determined.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health	*	1
Flammability		0
Physical hazards		0

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

Procedure used to derive the classification

Classification	Justification
CARCINOGENICITY - Category 2	Calculation method

History

Date of printing : 11/5/2020

Date of issue/Date of revision : 11/5/2020

Date of previous issue : 10/15/2020

Version : 15.01

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
SGG = Segregation Group
UN = United Nations

✔ Indicates information that has changed from previously issued version.

Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs

Section 16. Other information

obtained from any other source.

SAFETY DATA SHEET

B51W620

Section 1. Identification

Product name : PrepRite® ProBlock® Interior/Exterior Latex Primer/Sealer
White

Product code : B51W620

Other means of identification : Not available.

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Paint or paint related material.

Manufacturer : THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

Emergency telephone number of the company : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Product Information Telephone Number : US / Canada: 1-800-474-3794
Mexico: Not Available

Regulatory Information Telephone Number : US / Canada: (216) 566-2902
Mexico: Not Available

Transportation Emergency Telephone Number : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : CARCINOGENICITY - Category 2
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : Suspected of causing cancer.
Causes damage to organs through prolonged or repeated exposure. (lungs)

Precautionary statements

General : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

Section 2. Hazards identification

- Response** : IF exposed or concerned: Get medical advice or attention.
- Storage** : Store locked up.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Supplemental label elements** WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Adequate ventilation required when sanding or abrading the dried film. If Adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Abrading or sanding of the dry film may release Crystalline Silica which has been shown to cause lung damage and cancer under long term exposure. This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.
- Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.
- Hazards not otherwise classified** : None known.

Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Not available.

CAS number/other identifiers

Ingredient name	% by weight	CAS number
Titanium Dioxide	≥10 - ≤25	13463-67-7
Talc	≤10	14807-96-6

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Section 4. First aid measures

Ingestion : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.
Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments : No specific treatment.
Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : **This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	CAS #	Exposure limits
Titanium Dioxide	13463-67-7	OSHA PEL (United States, 5/2018). TWA: 15 mg/m ³ 8 hours. Form: Total dust
Talc	14807-96-6	ACGIH TLV (United States, 1/2022). TWA: 2.5 mg/m ³ 8 hours. Form: respirable fraction, finescale particles NIOSH REL (United States, 10/2020). TWA: 2 mg/m ³ 10 hours. Form: Respirable fraction ACGIH TLV (United States, 1/2022). TWA: 2 mg/m ³ 8 hours. Form: Respirable fraction

Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
Titanium dioxide	13463-67-7	CA British Columbia Provincial (Canada, 3/2022). TWA: 10 mg/m ³ 8 hours. Form: Total dust TWA: 3 mg/m ³ 8 hours. Form: respirable fraction CA Quebec Provincial (Canada, 6/2021). TWA EV: 10 mg/m ³ 8 hours. Form: Total dust. CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 10 mg/m ³ 8 hours. CA Ontario Provincial (Canada, 6/2019). TWA: 10 mg/m ³ 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 20 mg/m ³ 15 minutes. TWA: 10 mg/m ³ 8 hours.
talc (none asbestiform)	14807-96-6	CA British Columbia Provincial (Canada, 3/2022). TWA: 2 mg/m ³ 8 hours. Form: Respirable CA Quebec Provincial (Canada, 6/2021). TWA EV: 2 mg/m ³ 8 hours. Form: Respirable dust. CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 2 mg/m ³ 8 hours. Form: Respirable particulate CA Ontario Provincial (Canada, 6/2019). TWA: 2 mg/m ³ 8 hours. Form: Respirable particulate matter. TWA: 2 f/cc 8 hours. CA Saskatchewan Provincial (Canada,

Section 8. Exposure controls/personal protection

7/2013).

TWA: 2 mg/m³ 8 hours. Form: respirable fraction

Occupational exposure limits (Mexico)

	CAS #	Exposure limits
None.		

Appropriate engineering controls

: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls

: **This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state	: Liquid.
Color	: Not available.
Odor	: Not available.
Odor threshold	: Not available.
pH	: 8.8
Melting point/freezing point	: Not available.
Boiling point, initial boiling point, and boiling range	: 100°C (212°F)
Flash point	: Closed cup: Not applicable.
Evaporation rate	: 0.09 (butyl acetate = 1)
Flammability	: Not available.
Lower and upper explosion limit/flammability limit	: Not available.
Vapor pressure	: 2.3 kPa (17.5 mm Hg)
Relative vapor density	: 1 [Air = 1]
Relative density	: 1.31
Solubility(ies)	:

Media	Result
cold water	Partially soluble

Partition coefficient: n-octanol/water	: Not applicable.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Kinematic (40°C (104°F)): >20.5 mm ² /s (>20.5 cSt)
Molecular weight	: Not applicable.
Aerosol product	
Heat of combustion	: 0.383 kJ/g

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium Dioxide	Skin - Mild irritant	Human	-	72 hours 300 ug l	-
Talc	Skin - Mild irritant	Human	-	72 hours 300 ug l	-

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide	-	2B	-
Talc	-	3	-

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Talc	Category 1	inhalation	lungs

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Section 11. Toxicological information

- Inhalation** : No specific data.
Skin contact : No specific data.
Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

- General** : Causes damage to organs through prolonged or repeated exposure.
Carcinogenicity : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium Dioxide	Acute LC50 >1000000 µg/l Marine water	Fish - Fundulus heteroclitus	96 hours

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-

Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Transport in bulk according to IMO instruments : Not available.

Proper shipping name : Not available.

Section 15. Regulatory information

U.S. Federal regulations : TSCA 5(a)2 proposed significant new use rules: 2-Methyl-4-isothiazolin-3-one; 5-Chloro-2-methylisothiazolinone

TSCA 5(a)2 final significant new use rules: Sodium Nitrite

[List name](#) [Chemical name](#) [Notes](#)

United States - TSCA 5(a) 2 - Final significant new use rules
Sodium Nitrite

This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.

[SARA 313](#)

SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

[California Prop. 65](#)

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

[International regulations](#)

[International lists](#)

: **Australia inventory (AIC):** Not determined.
China inventory (IECSC): Not determined.
Japan inventory (CSCL): Not determined.
Japan inventory (ISHL): Not determined.
Korea inventory (KECI): Not determined.
New Zealand Inventory of Chemicals (NZIoC): Not determined.
Philippines inventory (PICCS): Not determined.
Taiwan Chemical Substances Inventory (TCSI): Not determined.
Thailand inventory: Not determined.
Turkey inventory: Not determined.
Vietnam inventory: Not determined.

Section 16. Other information

[Hazardous Material Information System \(U.S.A.\)](#)

Health	*	3
Flammability		0
Physical hazards		0

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

[Procedure used to derive the classification](#)

Classification	Justification
CARCINOGENICITY - Category 2	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1	Calculation method

[History](#)

Date of printing : 2/22/2023

Date of issue/Date of revision : 2/22/2023

Section 16. Other information

Date of previous issue	: 11/26/2022
Version	: 21.02
Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) N/A = Not available SGG = Segregation Group UN = United Nations

✔ Indicates information that has changed from previously issued version.

Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.


SAFETY DATA SHEET

B66W1310

Section 1. Identification

Product name	: PRO INDUSTRIAL™ PRO-CRYL® Universal Acrylic Primer Off White
Product code	: B66W1310
Other means of identification	: Not available.
Product type	: Liquid.
<u>Relevant identified uses of the substance or mixture and uses advised against</u>	
Paint or paint related material.	
Manufacturer	: THE SHERWIN-WILLIAMS COMPANY 101 W. Prospect Avenue Cleveland, OH 44115
Emergency telephone number of the company	: US / Canada: (800) 424-9300 Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year
Product Information Telephone Number	: US / Canada: (800) 524-5979 Mexico: Not Available
Regulatory Information Telephone Number	: US / Canada: (216) 566-2902 Mexico: Not Available
Transportation Emergency Telephone Number	: US / Canada: (800) 424-9300 Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Section 2. Hazards identification

OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	: SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 1A
<u>GHS label elements</u>	
Hazard pictograms	: 
Signal word	: Danger
Hazard statements	: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause cancer.
<u>Precautionary statements</u>	

Section 2. Hazards identification

- Prevention** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Avoid breathing vapor. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.
- Response** : IF exposed or concerned: Get medical advice or attention. Take off contaminated clothing and wash it before reuse. Wash contaminated clothing before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.
- Storage** : Store locked up.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Supplemental label elements** WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. FOR INDUSTRIAL USE ONLY. Adequate ventilation required when sanding or abrading the dried film. If Adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Abrading or sanding of the dry film may release Crystalline Silica which has been shown to cause lung damage and cancer under long term exposure.
- This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.
- Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.
- Hazards not otherwise classified** : None known.

Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Not available.
- CAS number/other identifiers**

Ingredient name	% by weight	CAS number
Calcium Carbonate	≥10 - <20	1317-65-3
Titanium Dioxide	≤10	13463-67-7
Polypropylene glycol alkyl phenyl ether	≤1	9064-13-5
Light Aliphatic Hydrocarbon	≤0.3	64742-47-8
Cristobalite, respirable powder	≤0.3	14464-46-1

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Causes skin irritation. May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
- Ingestion** : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : **This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	CAS #	Exposure limits
Calcium Carbonate	1317-65-3	OSHA PEL (United States, 5/2018). TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction TWA: 15 mg/m ³ 8 hours. Form: Total dust NIOSH REL (United States, 10/2020). [calcium carbonate] TWA: 5 mg/m ³ 10 hours. Form: Respirable fraction TWA: 10 mg/m ³ 10 hours. Form: Total
Titanium Dioxide	13463-67-7	OSHA PEL (United States, 5/2018). TWA: 15 mg/m ³ 8 hours. Form: Total dust ACGIH TLV (United States, 1/2022). TWA: 2.5 mg/m ³ 8 hours. Form: respirable fraction, finescale particles None.
Polypropylene glycol alkyl phenyl ether Light Aliphatic Hydrocarbon	9064-13-5 64742-47-8	ACGIH TLV (United States, 1/2022). [Kerosene] Absorbed through skin. TWA: 200 mg/m ³ , (as total hydrocarbon vapor) 8 hours.
Cristobalite, respirable powder	14464-46-1	OSHA PEL Z3 (United States, 6/2016). TWA: 250 mppcf / 2 x (%SiO ₂ +5) 8 hours. Form: Respirable TWA: 10 mg/m ³ / 2 x (%SiO ₂ +2) 8 hours. Form: Respirable TWA: 30 mg/m ³ / 2 x (%SiO ₂ +2) 8 hours. Form: Total dust OSHA PEL (United States, 5/2018). [Silica,

Section 8. Exposure controls/personal protection

		<p>crystalline] TWA: 50 µg/m³ 8 hours. Form: Respirable dust ACGIH TLV (United States, 1/2022). [Silica, crystalline] TWA: 0.025 mg/m³ 8 hours. Form: Respirable fraction NIOSH REL (United States, 10/2020). [SILICA, CRYSTALLINE] TWA: 0.05 mg/m³ 10 hours. Form: respirable dust</p>
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Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
Titanium dioxide	13463-67-7	<p>CA British Columbia Provincial (Canada, 3/2022). TWA: 10 mg/m³ 8 hours. Form: Total dust TWA: 3 mg/m³ 8 hours. Form: respirable fraction CA Quebec Provincial (Canada, 6/2021). TWAEV: 10 mg/m³ 8 hours. Form: Total dust. CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 10 mg/m³ 8 hours. CA Ontario Provincial (Canada, 6/2019). TWA: 10 mg/m³ 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 20 mg/m³ 15 minutes. TWA: 10 mg/m³ 8 hours.</p>
Petroleum refining, hydrotreated light distillate	64742-47-8	<p>CA British Columbia Provincial (Canada, 3/2022). [Kerosene/Jet fuels] Absorbed through skin. TWA: 200 mg/m³, (as total hydrocarbon vapour) 8 hours. CA Alberta Provincial (Canada, 6/2018). [Kerosene/Jet fuels] Absorbed through skin. 8 hrs OEL: 200 mg/m³, (as total hydrocarbon vapour) 8 hours. CA Ontario Provincial (Canada, 6/2019). Absorbed through skin. TWA: 200 mg/m³, (as total hydrocarbon vapour) 8 hours.</p>
Cristobalite	14464-46-1	<p>CA British Columbia Provincial (Canada, 3/2022). [Silica, Crystalline - alpha quartz and Cristobalite] TWA: 0.025 mg/m³ 8 hours. Form: Respirable CA Quebec Provincial (Canada, 6/2021). TWAEV: 0.05 mg/m³ 8 hours. Form: Respirable dust. CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 0.025 mg/m³ 8 hours. Form: Respirable particulate CA Ontario Provincial (Canada, 6/2019).</p>

Section 8. Exposure controls/personal protection

TWA: 0.05 mg/m³ 8 hours. Form: Respirable particulate matter.

CA Saskatchewan Provincial (Canada, 7/2013).

TWA: 0.05 mg/m³ 8 hours. Form: respirable fraction

Occupational exposure limits (Mexico)

	CAS #	Exposure limits
None.		

- Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
- Environmental exposure controls** : **This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.**
Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
- Individual protection measures**
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state	: Liquid.
Color	: Not available.
Odor	: Not available.
Odor threshold	: Not available.
pH	: 9.1
Melting point/freezing point	: Not available.
Boiling point, initial boiling point, and boiling range	: 100°C (212°F)
Flash point	: Closed cup: Not applicable.
Evaporation rate	: 0.09 (butyl acetate = 1)
Flammability	: Not available.
Lower and upper explosion limit/flammability limit	: Not available.
Vapor pressure	: 2.3 kPa (17.5 mm Hg)
Relative vapor density	: 1 [Air = 1]
Relative density	: 1.21
Solubility(ies)	:

Media	Result
cold water	Partially soluble

Partition coefficient: n-octanol/water	: Not applicable.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Kinematic (40°C (104°F)): >20.5 mm ² /s (>20.5 cSt)
Molecular weight	: Not applicable.
Aerosol product	
Heat of combustion	: 1.267 kJ/g

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium Dioxide	Skin - Mild irritant	Human	-	72 hours 300 ug l	-

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide Cristobalite, respirable powder	- -	2B 1	- Known to be a human carcinogen.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Calcium Carbonate	Category 3	-	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Cristobalite, respirable powder	Category 1	inhalation	respiratory tract

Aspiration hazard

Name	Result
Light Aliphatic Hydrocarbon	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : No known significant effects or critical hazards.

Skin contact : Causes skin irritation. May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

Section 11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
- Ingestion** : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

Long term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

Potential chronic health effects

Not available.

- General** : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
- Carcinogenicity** : May cause cancer. Risk of cancer depends on duration and level of exposure.
- Mutagenicity** : No known significant effects or critical hazards.
- Teratogenicity** : No known significant effects or critical hazards.
- Developmental effects** : No known significant effects or critical hazards.
- Fertility effects** : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium Dioxide	Acute LC50 >1000000 µg/l Marine water	Fish - Fundulus heteroclitus	96 hours
Light Aliphatic Hydrocarbon	Acute LC50 2200 µg/l Fresh water	Fish - Lepomis macrochirus	4 days

Persistence and degradability

Not available.

Bioaccumulative potential

Section 12. Ecological information

Not available.

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : **This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-

Section 14. Transport information

Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Transport in bulk according to IMO instruments : Not available.

Proper shipping name : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 5(a)2 proposed significant new use rules:** 2-Methyl-4-isothiazolin-3-one; 5-Chloro-2-methylisothiazolinone

TSCA 5(a)2 final significant new use rules: Sodium Nitrite

[List name](#) [Chemical name](#) [Notes](#)

United States - TSCA 5(a) 2 - Final significant new use rules
Sodium Nitrite

This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.

[SARA 313](#)

SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

[California Prop. 65](#)

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

[International regulations](#)

International lists

Australia inventory (AIC): Not determined.
China inventory (IECSC): Not determined.
Japan inventory (CSCL): Not determined.
Japan inventory (ISHL): Not determined.
Korea inventory (KECI): Not determined.
New Zealand Inventory of Chemicals (NZIoC): Not determined.
Philippines inventory (PICCS): Not determined.
Taiwan Chemical Substances Inventory (TCSI): Not determined.
Thailand inventory: Not determined.
Turkey inventory: Not determined.
Vietnam inventory: Not determined.

Section 16. Other information

[Hazardous Material Information System \(U.S.A.\)](#)

Health	*	2
Flammability		0
Physical hazards		0

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Section 16. Other information

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

Procedure used to derive the classification

Classification	Justification
SKIN CORROSION/IRRITATION - Category 2	Calculation method
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A	Calculation method
SKIN SENSITIZATION - Category 1	Calculation method
CARCINOGENICITY - Category 1A	Calculation method

History

Date of printing : 1/23/2023

Date of issue/Date of revision : 1/23/2023

Date of previous issue : 11/26/2022

Version : 22.01

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
SGG = Segregation Group
UN = United Nations

✔ Indicates information that has changed from previously issued version.

Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.


SAFETY DATA SHEET

B53W2151

Section 1. Identification

Product name	: PRO INDUSTRIAL™ Waterbased Alkyd Urethane Semi-Gloss Extra White
Product code	: B53W2151
Other means of identification	: Not available.
Product type	: Liquid.
<u>Relevant identified uses of the substance or mixture and uses advised against</u>	
Paint or paint related material.	
Manufacturer	: THE SHERWIN-WILLIAMS COMPANY 101 W. Prospect Avenue Cleveland, OH 44115
Emergency telephone number of the company	: US / Canada: (800) 424-9300 Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year
Product Information Telephone Number	: US / Canada: (800) 524-5979 Mexico: Not Available
Regulatory Information Telephone Number	: US / Canada: (216) 566-2902 Mexico: Not Available
Transportation Emergency Telephone Number	: US / Canada: (800) 424-9300 Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Section 2. Hazards identification

OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	: CARCINOGENICITY - Category 2 TOXIC TO REPRODUCTION - Category 2
<u>GHS label elements</u>	
Hazard pictograms	: 
Signal word	: Warning
Hazard statements	: Suspected of causing cancer. Suspected of damaging fertility or the unborn child.
<u>Precautionary statements</u>	
Prevention	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection.
Response	: IF exposed or concerned: Get medical advice or attention.

Section 2. Hazards identification

- Storage** : Store locked up.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Supplemental label elements** WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. FOR INDUSTRIAL USE ONLY.
- This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.
- Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.
- Hazards not otherwise classified** : None known.

Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Not available.

CAS number/other identifiers

Ingredient name	% by weight	CAS number
Titanium Dioxide	≥10 - ≤25	13463-67-7
2-Ethyl-2-(hydroxymethyl)-1,3-propanediol	≤0.3	77-99-6

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Section 4. First aid measures

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : Adverse symptoms may include the following:
 - reduced fetal weight
 - increase in fetal deaths
 - skeletal malformations
- Skin contact** : Adverse symptoms may include the following:
 - reduced fetal weight
 - increase in fetal deaths
 - skeletal malformations
- Ingestion** : Adverse symptoms may include the following:
 - reduced fetal weight
 - increase in fetal deaths
 - skeletal malformations

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
 - metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : **This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	CAS #	Exposure limits
Titanium Dioxide	13463-67-7	OSHA PEL (United States, 5/2018). TWA: 15 mg/m ³ 8 hours. Form: Total dust ACGIH TLV (United States, 1/2022). TWA: 2.5 mg/m ³ 8 hours. Form: respirable fraction, finescale particles
2-Ethyl-2-(hydroxymethyl)-1,3-propanediol	77-99-6	None.

Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
Titanium dioxide	13463-67-7	CA British Columbia Provincial (Canada, 3/2022). TWA: 10 mg/m ³ 8 hours. Form: Total dust TWA: 3 mg/m ³ 8 hours. Form: respirable fraction CA Quebec Provincial (Canada, 6/2021). TWA _{EV} : 10 mg/m ³ 8 hours. Form: Total dust. CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 10 mg/m ³ 8 hours. CA Ontario Provincial (Canada, 6/2019). TWA: 10 mg/m ³ 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 20 mg/m ³ 15 minutes. TWA: 10 mg/m ³ 8 hours.

Occupational exposure limits (Mexico)

	CAS #	Exposure limits
None.		

- Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
- Environmental exposure controls** : **This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.**
- Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Section 8. Exposure controls/personal protection

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

- Physical state** : Liquid.
- Color** : Not available.
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : 8.8
- Melting point/freezing point** : Not available.
- Boiling point, initial boiling point, and boiling range** : 100°C (212°F)
- Flash point** : Closed cup: Not applicable.
- Evaporation rate** : 0.09 (butyl acetate = 1)
- Flammability** : Not available.
- Lower and upper explosion limit/flammability limit** : Not available.
- Vapor pressure** : 2.3 kPa (17.5 mm Hg)
- Relative vapor density** : 1 [Air = 1]
- Relative density** : 1.31
- Solubility(ies)** :
Not available.

Section 9. Physical and chemical properties

Partition coefficient: n-octanol/water	: Not applicable.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Kinematic (40°C (104°F)): >20.5 mm ² /s (>20.5 cSt)
Molecular weight	: Not applicable.
Aerosol product	
Heat of combustion	: 0.771 kJ/g

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
2-Ethyl-2-(hydroxymethyl)-1,3-propanediol	LD50 Oral	Rat	14000 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium Dioxide	Skin - Mild irritant	Human	-	72 hours 300 ug l	-

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide	-	2B	-

Reproductive toxicity

Section 11. Toxicological information

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.
Inhalation : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations
Skin contact : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations
Ingestion : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : No known significant effects or critical hazards.

Carcinogenicity : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

Section 11. Toxicological information

- Mutagenicity** : No known significant effects or critical hazards.
Teratogenicity : Suspected of damaging the unborn child.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : Suspected of damaging fertility.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium Dioxide 2-Ethyl-2-(hydroxymethyl) -1,3-propanediol	Acute LC50 >1000000 µg/l Marine water	Fish - Fundulus heteroclitus	96 hours
	Acute EC50 13000000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 14400000 µg/l Marine water	Fish - Cyprinodon variegatus	96 hours

Persistence and degradability

Not available.

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
2-Ethyl-2-(hydroxymethyl) -1,3-propanediol	-	<1	low

Mobility in soil

- Soil/water partition coefficient (K_{oc})** : Not available.

- Other adverse effects** : No known significant effects or critical hazards.

Section 13. Disposal considerations

- Disposal methods** : **This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains

Section 13. Disposal considerations

and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-

Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Transport in bulk according to IMO instruments : Not available.

Proper shipping name : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 5(a)2 proposed significant new use rules:** 2-Methyl-4-isothiazolin-3-one; 5-Chloro-2-methylisothiazolinone
TSCA 5(a)2 final significant new use rules: Sodium Nitrite; Chlorodiazocarboxylate

List name	Chemical name	Notes
United States - TSCA 5(a) 2 - Final significant new use rules	Sodium Nitrite	
United States - TSCA 5(a) 2 - Final significant new use rules	Chlorodiazocarboxylate	

This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.

[SARA 313](#)

Section 15. Regulatory information

SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

[California Prop. 65](#)

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

[International regulations](#)

International lists

- : **Australia inventory (AIIIC):** Not determined.
- China inventory (IECSC):** Not determined.
- Japan inventory (CSCL):** Not determined.
- Japan inventory (ISHL):** Not determined.
- Korea inventory (KECI):** Not determined.
- New Zealand Inventory of Chemicals (NZIoC):** Not determined.
- Philippines inventory (PICCS):** Not determined.
- Taiwan Chemical Substances Inventory (TCSI):** Not determined.
- Thailand inventory:** Not determined.
- Turkey inventory:** Not determined.
- Vietnam inventory:** Not determined.

Section 16. Other information

[Hazardous Material Information System \(U.S.A.\)](#)

Health	*	0
Flammability		0
Physical hazards		0

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

[Procedure used to derive the classification](#)

Classification	Justification
CARCINOGENICITY - Category 2	Calculation method
TOXIC TO REPRODUCTION - Category 2	Calculation method

[History](#)

Date of printing : 11/27/2022

Date of issue/Date of revision : 11/27/2022

Date of previous issue : 9/22/2022

Version : 12

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available

Section 16. Other information

SGG = Segregation Group

UN = United Nations

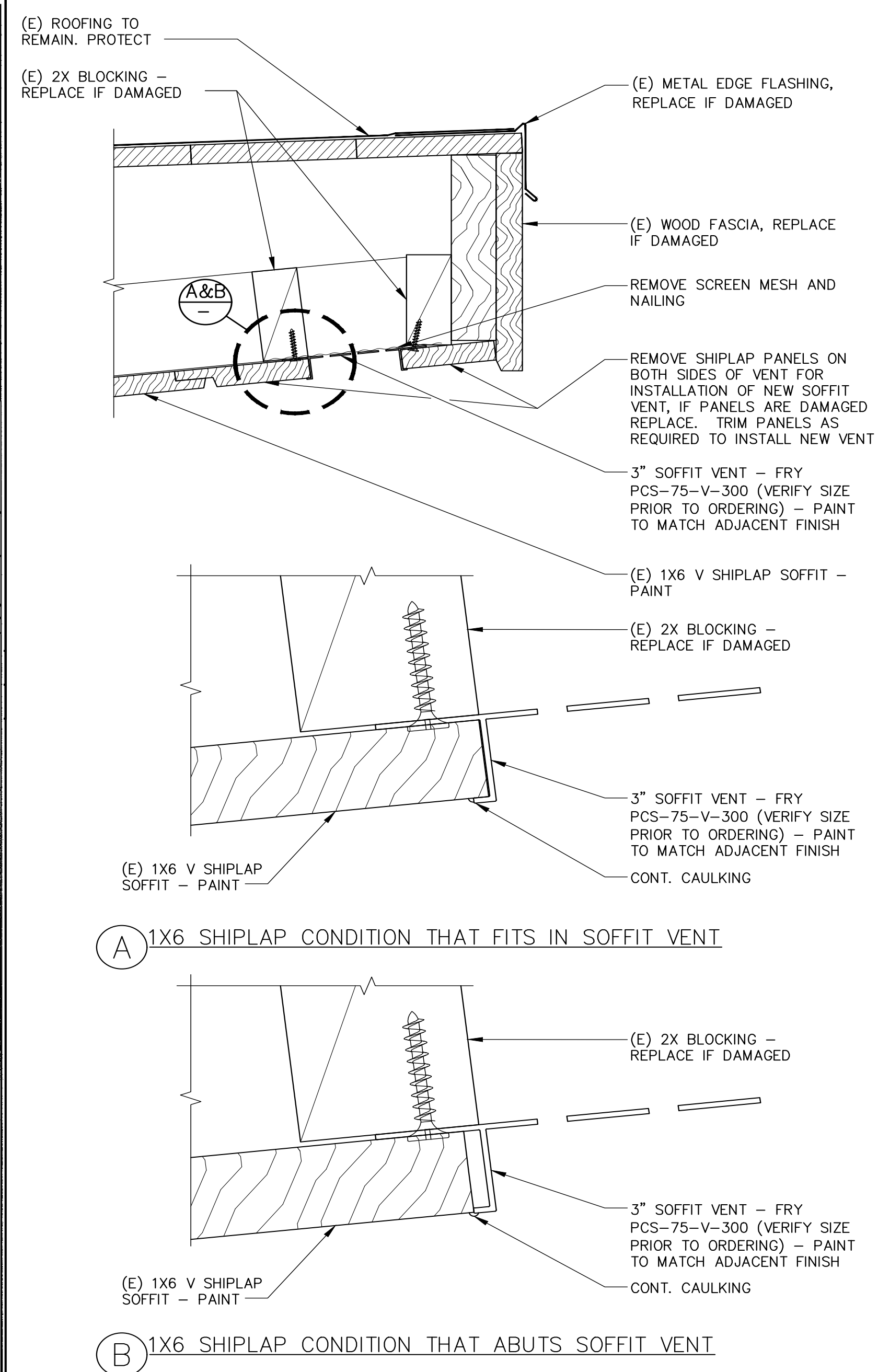
✔ Indicates information that has changed from previously issued version.

Notice to reader

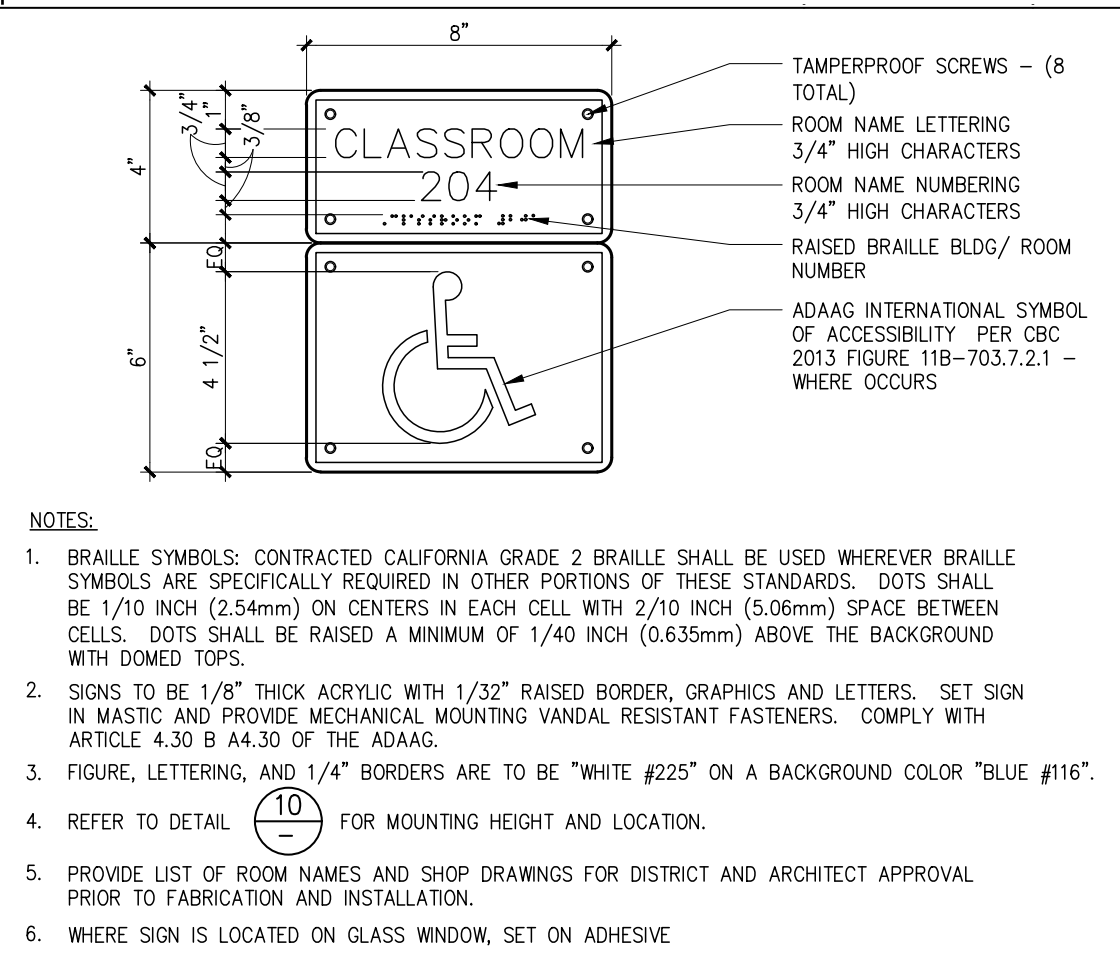
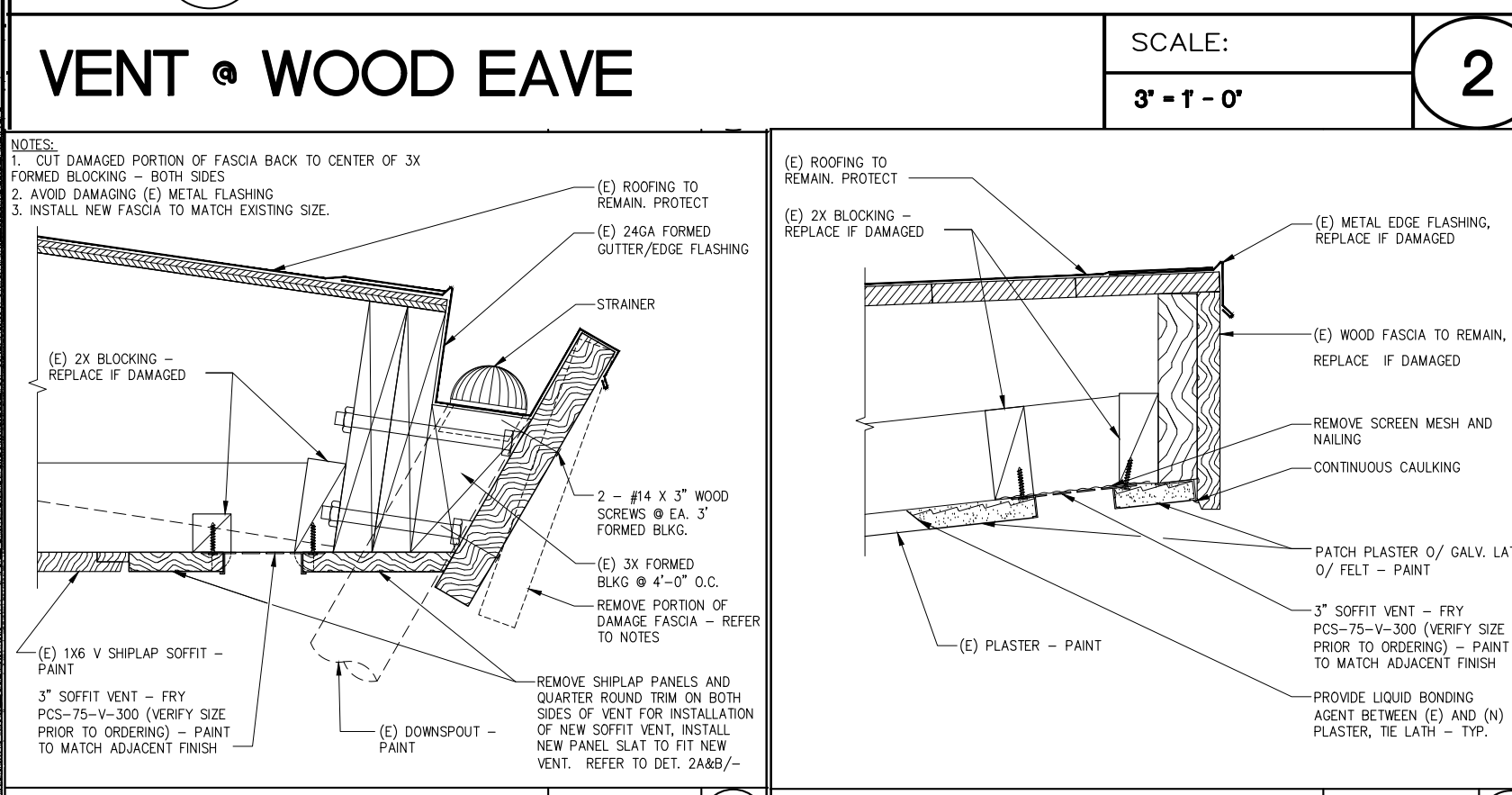
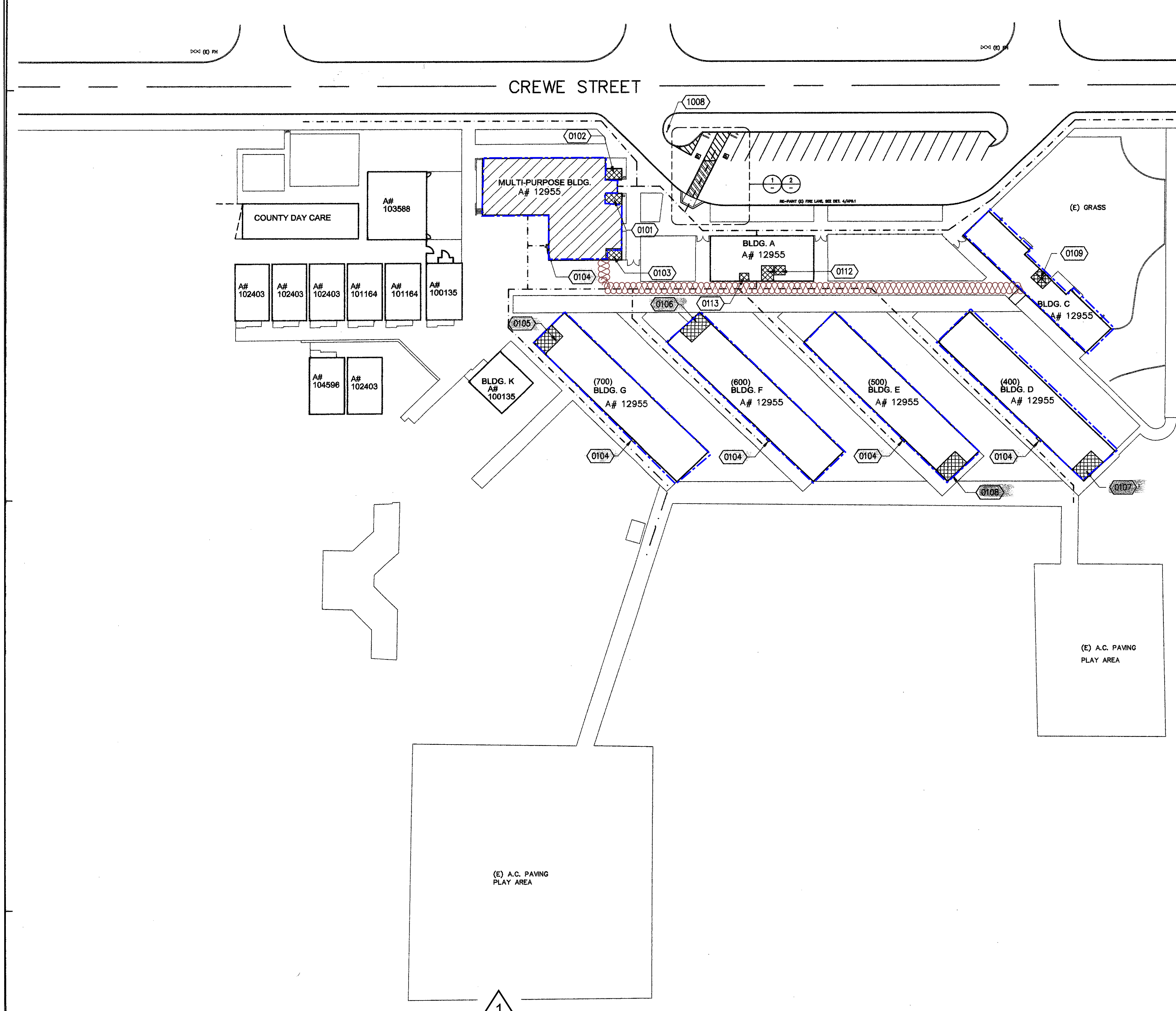
It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.

**NEW 2X FASCIA
PREP/PAIN WALKWAY
AND POST**

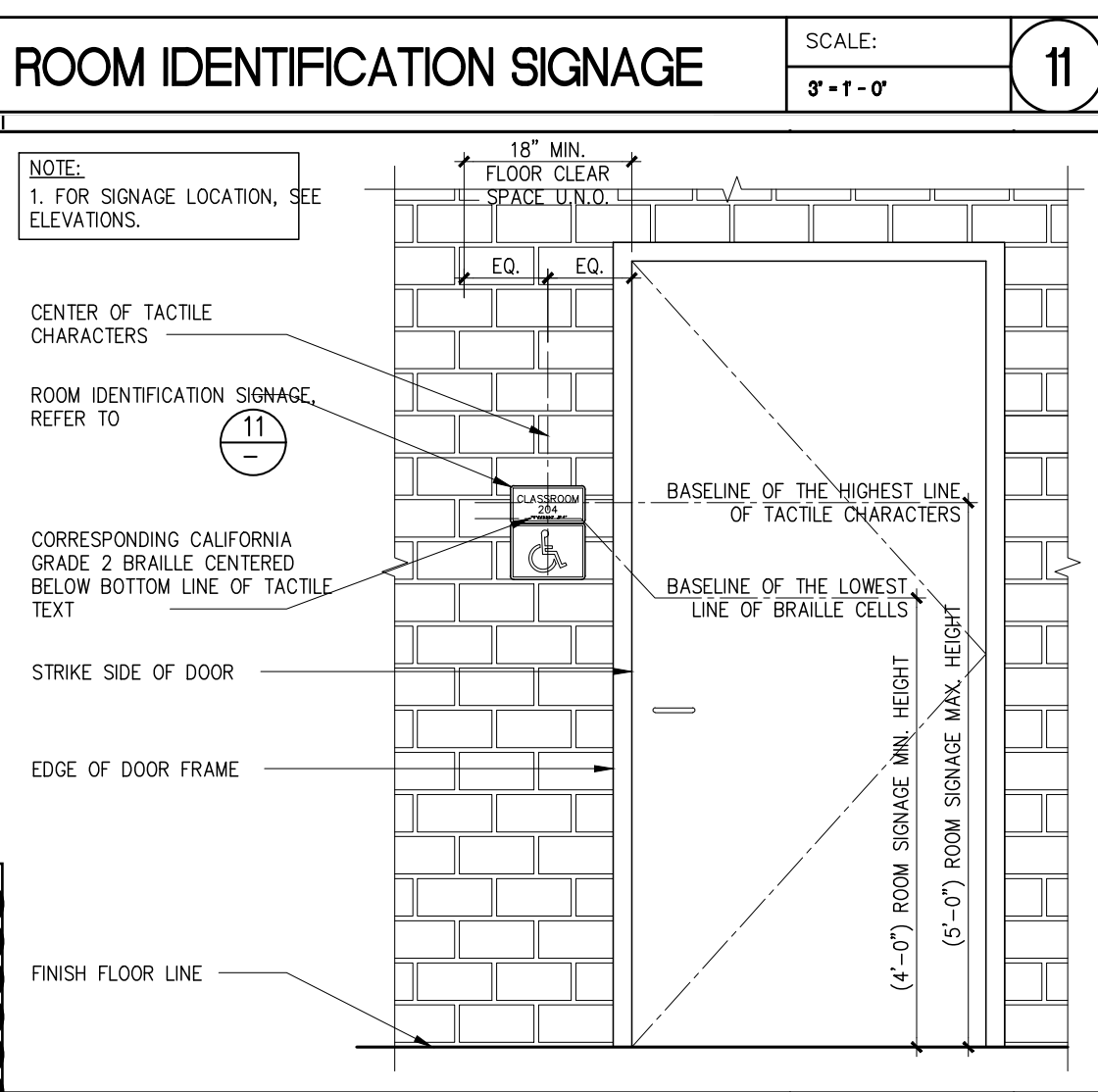
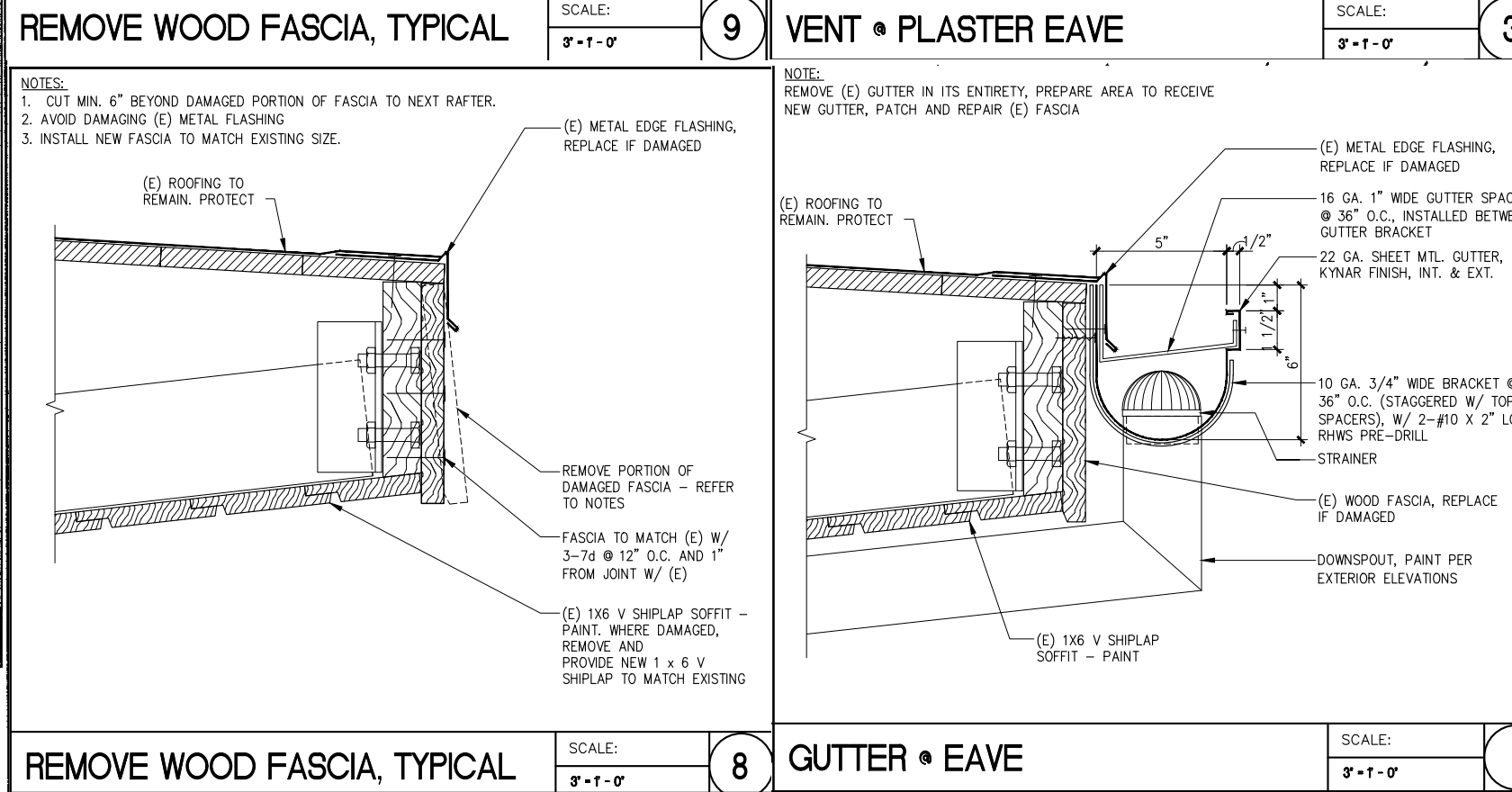
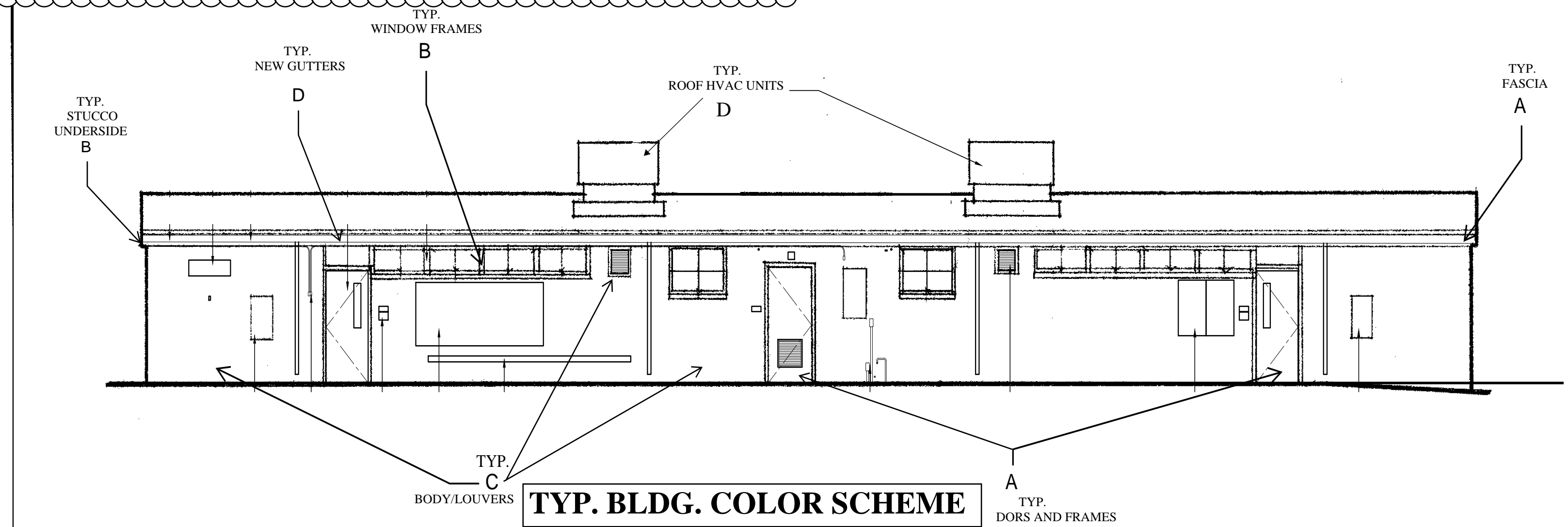
UNDERSIDE OF CANOPY WALKWAYS THAT CURRENTLY HAVE EXISTING TEXTURE SHALL NOT BE DISTURBED, REFERENCE WORK SCOPE SPECIAL CONDITIONS #52



- TYP. PAINTING + CONSTRUCTION NOTES**
1. PRESSURE WASH ALL EXTERIOR SURFACES PRIOR TO PREPERATION FOR NEW FINISH
 2. COMPLETELY REMOVE APPROX. 1,900' LNFT OF (E) FASCIA AND INSTALL APPROX. 1,900' LNFT OF NEW 2X WINDSOR ONE WOOD FASCIA S1S2E FASTENED WITH 16D NAILS. NAIL HOLES TO BE SEALED AND PAINTED OVER
 3. REMOVE APPROX 1,900 LNFT OF METAL EDGE ROOF FLASHING AND INSTALL 1,900 LNFT OF NEW ROOF FLASHING
 4. REMOVE APPROX 1,000 LNFT OF VENT SCREEN AND INSTALL APPROX 1,000 LNFT OF NEW VENT SCREEN PER DETAILS
 5. REMOVE AND INSTALL (N) APPROX 1,500' LNFT OF NEW 22GA SHEET MTL. GUTTER
 6. REMOVE (E) DOWNSPOUTS AND INSTALL APPROX 3 SCHDL 40 METAL DOWN SPOUTS FOR EA BLDG RECVING RAIN GUTTERS
 7. NEW GUTTERS AND DOWN SPOUTS TO BE KYNAR FINISH. NEW DOWN SPOUTS TO BE FIELD MEASSURED / LAID OUT FOR MAXIMUM WATER DISBURSTMENT. MINIMUM 3 DOWN SPOUTS PER BLDG SIDE. (N) DOWN SPOUTS SHALL MATCH BACK COLOR OF MOUNTING LOCATION
 8. REMOVE (E) SIGNAGE. MATCH (E) SIGANGE AND INSTALL NEW BLDG SIGNAGE PER DETAILS
 9. PREP, ETCH AND CLEAN ROOF HVAC UNITS/BARD UNITS TO RECEIVE NEW PRIMER AND FINISH
 10. ALL CANOPY WALK WAY UNDERSIDE SHALL BE PRIMED AND PAINTED OVER EXISTING SPARYED TEXTURE, EXISTING TEXTURE SHALL NOT BE DISTURBED. ALL WALK WAY POST SHALL BE SCRAPPED AND PREPED TO RECEIVE NEW PRIMER AND FINISH PER THE COLOR SCHEDULE



- A. ACCENT COLOR - SHERWIN WILLIAMS DET574 JAZZ AGE BLUES - PRO INDUSTRIAL SEMI GLOSS
 B. BASE COLOR DUNN EDWARDS - THATCHED ROOF DE6177 FLAT
 C. BRICK WALL RED SHERWIN WILLIAMS - MATCH BRICK RED - PRO INDUSTRIAL SEMI GLOSS
 D. RAIN GUTTERS / HVAC UNITS - SHERWIN WILLIAMS GREY BRONZ - PRO INDUSTRIAL I SEMI GLOSS



REFERENCE TYP. BLDG. / PORTABLE COLOR SCHEDULE FOR FINISH COLORS

- A:** DOOR FRAMES, DOORS, BRICK BLDG / PORTABLE FASCIA AND CANOPY WALKWAY POST TYP
B: STUCCO, WINDOW FRAMES, DOWNSPOUTS MOUNTED ON UNDERSIDE OF OVERHANG, CANOPY WALKWAY UNDERSIDE AND PORTABLE T1-11 BODY
C: BRICK WALLS, LOUVERS AND WALL MOUNTED DOWNSPOUTS AT BLDGS WALLS
D: HVAC UNITS, BARD UNITS AND RAIN GUTTERS

ELEVATION OF ROOM NAME AND NUMBER SIGNAGE

ALL BUILDINGS, SHADE STRUCTURES, APPARATUS AND PORTABLES SHOWN OR NOT THAT ARE WITHIN THE SITE SHALL BE PREPARED, PRIMED AND PAINTED PER THE COLOR SCHEDULE AND SPECIFICATIONS

PROPER CLEANING, PRESSURE WASHING OF GUNK, GUM, MELDEW ETC. SHALL BE THOROUGHLY PERFORMED PRIOR TO PRIMER AND PAINT

ALL CRACKS, CONTROL LINES, EXPANSION JOINTS AND WINDOW FRAMES SHALL BE SEALED USING SPECIFIED / APPROVED MATERIALS

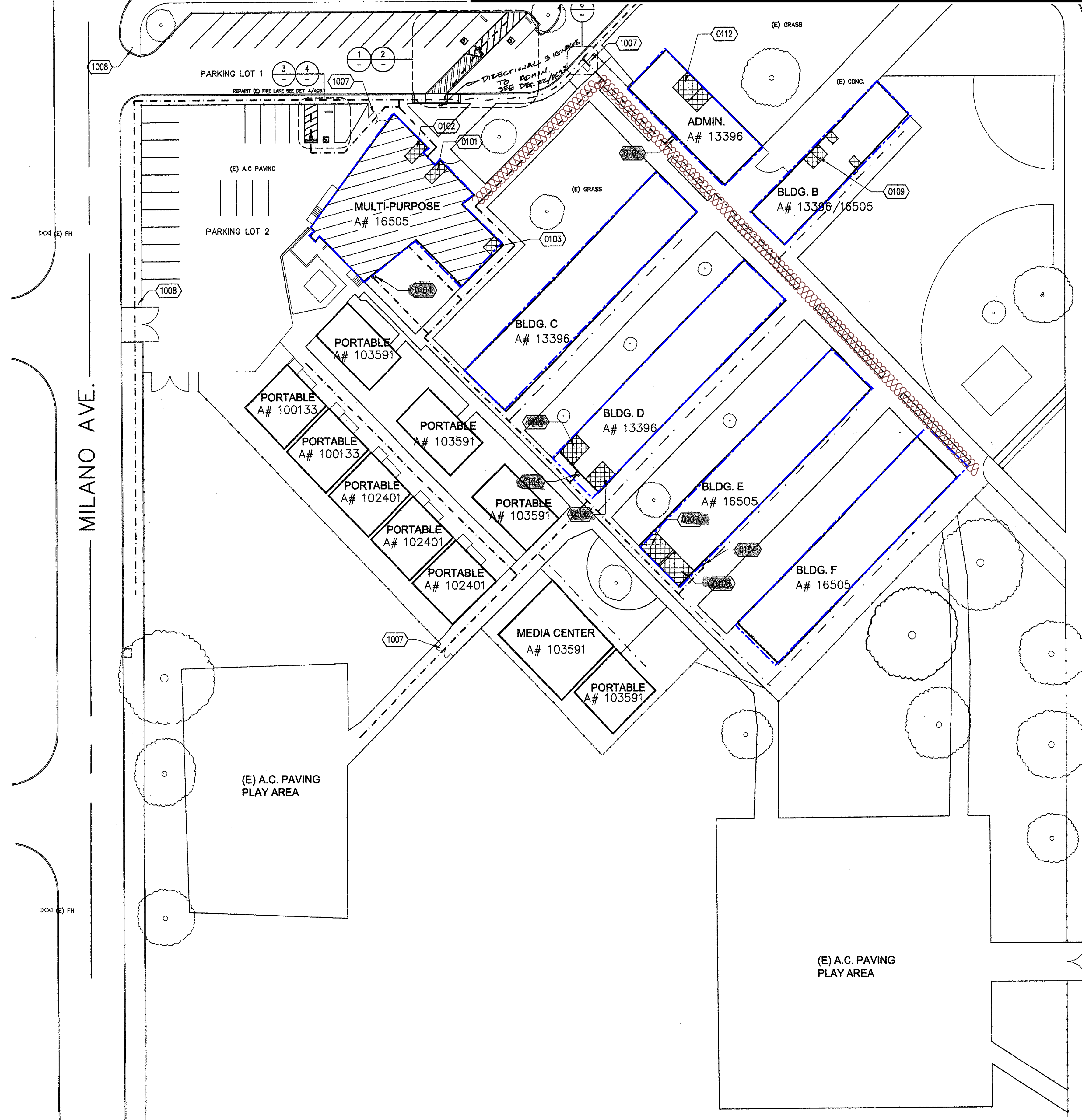
EXISTING PORTABLES ONSITE SHALL RECEIVE PREP, PRIMER AND TWO COATS OF FINISH AT EXTERIOR. REFERENCE COLOR SCHEDULE

2023 Painting Group #2
Paddison Elementary School
 12100 Crewe St
 Norwalk CA, 90650

ADDENDUM NO. 1
OVERALL SITE PLAN & DETAILS
 DRAWING NUMBER: **PES.1**

**NEW 2X FASCIA
PREP/PAIN T WALKWAY
AND POST**

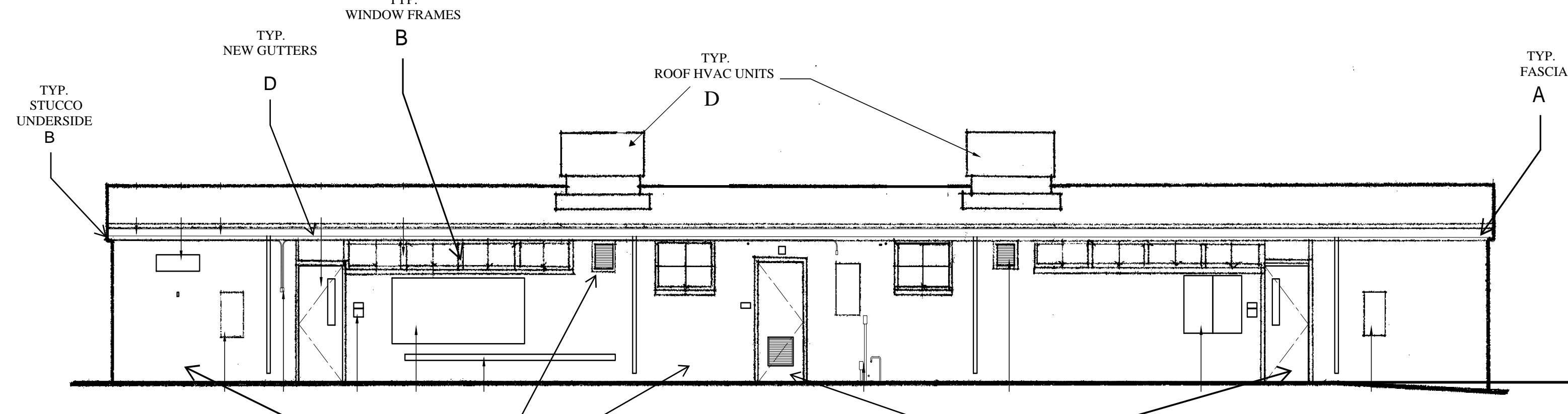
UNDERSIDE OF CANOPY WALKWAYS THAT CURRENTLY HAVE EXISTING TEXTURE SHALL NOT BE DISTURBED, REFERENCE WORK SCOPE SPECIAL CONDITIONS #52



OVERALL SITE PLAN

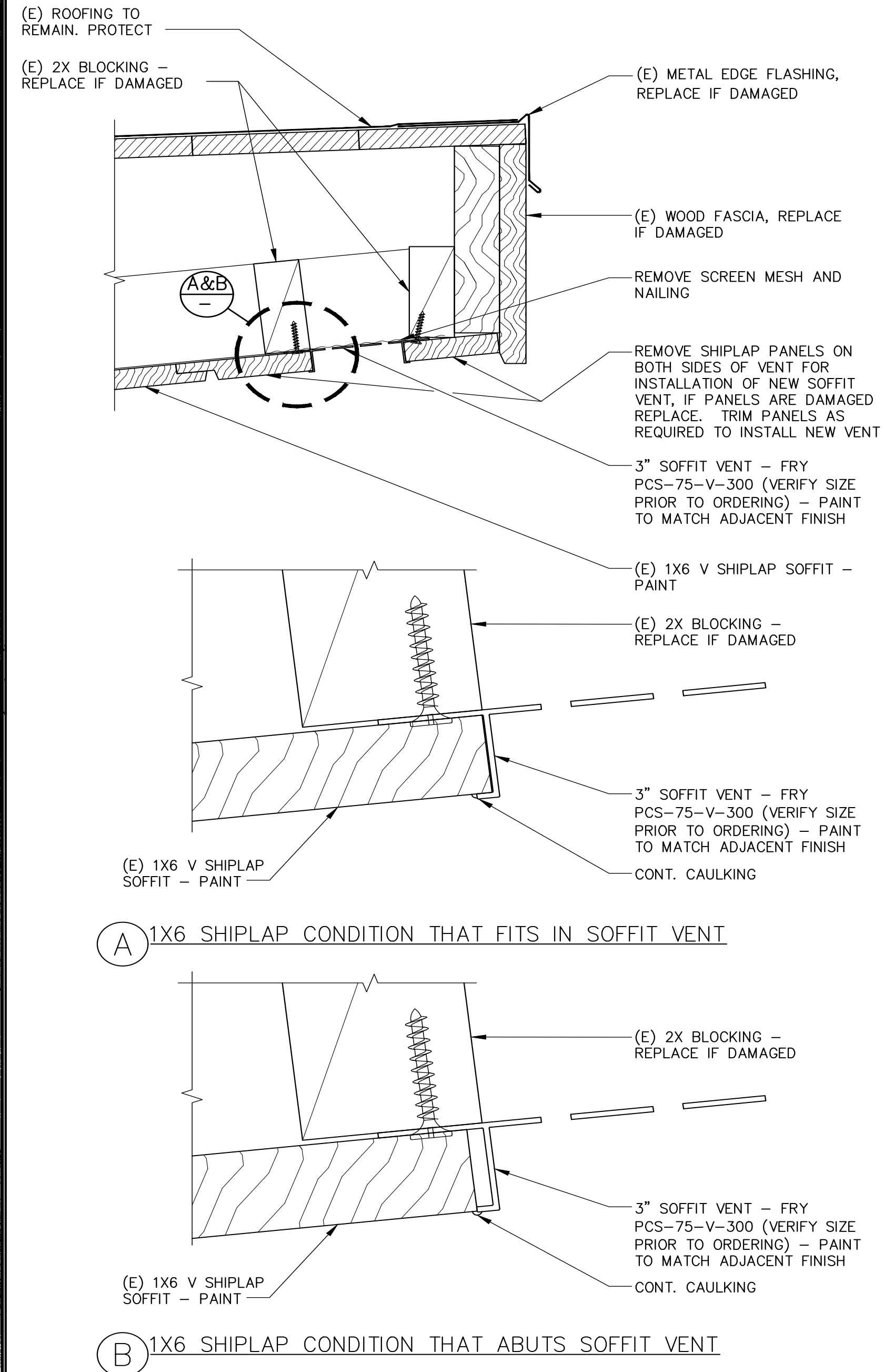
1" = 30'-0" 5

- A: ACCENT COLOR - SHERWIN WILLIAMS DET574 JAZZ AGE BLUES - PRO INDUSTRIAL SEMI GLOSS
- B: BASE COLOR DUNN EDWARDS - THATCHED ROOF DE6177 FLAT
- C: BRICK WALL RED SHERWIN WILLIAMS - MATCH BRICK RED - PRO INDUSTRIAL SEMI GLOSS
- D: RAIN GUTTERS / HVAC UNITS - SHERWIN WILLIAMS GREY BRONZ - PRO INDUSTRIAL I SEMI GLOSS

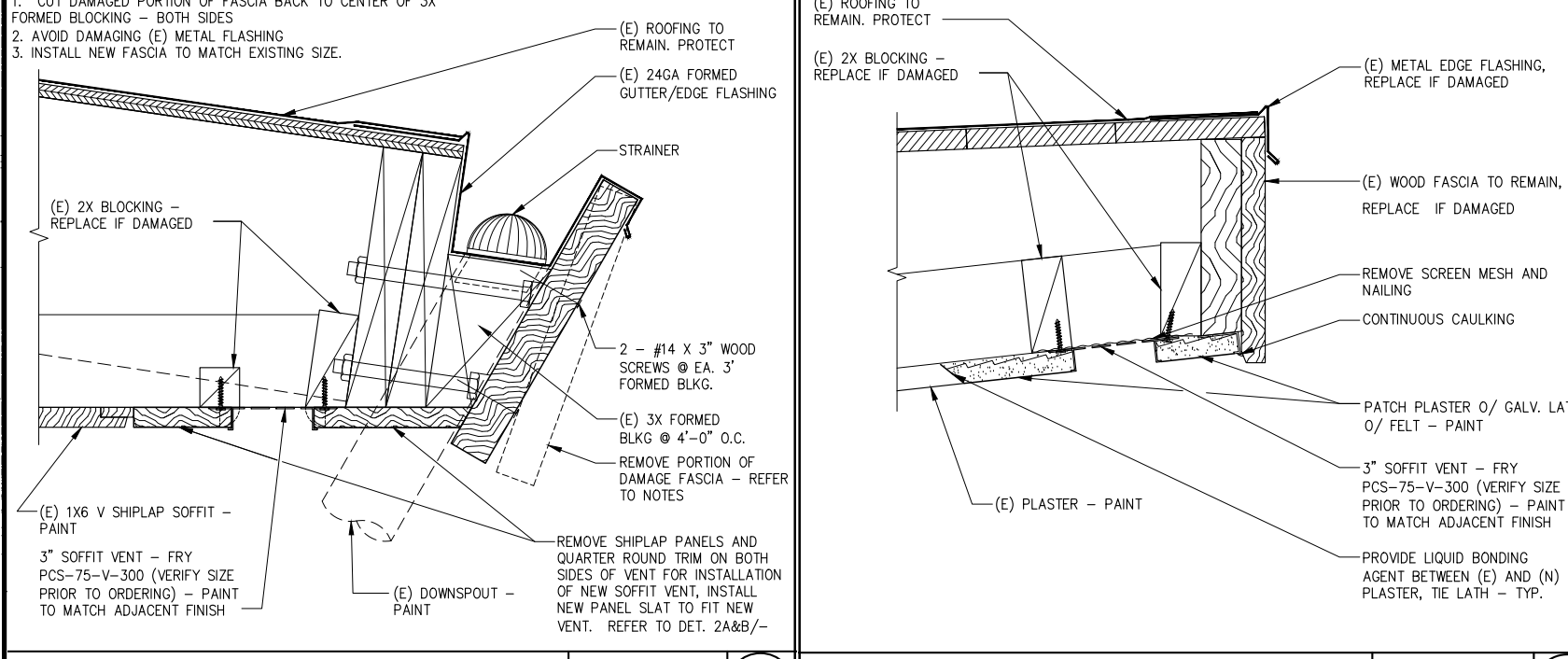


TYP. BLDG. COLOR SCHEME

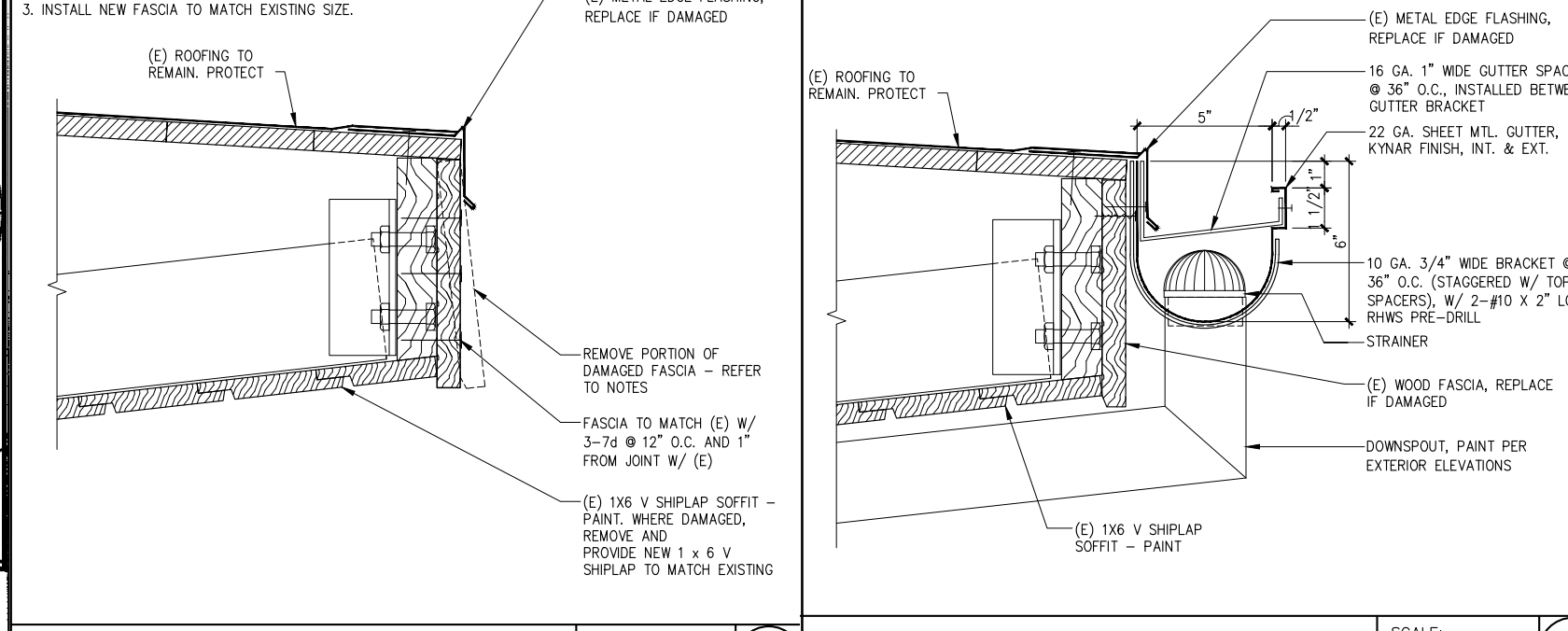
1" = 40'-0" 3



VENT • WOOD EAVE



REMOVE WOOD FASCIA, TYPICAL



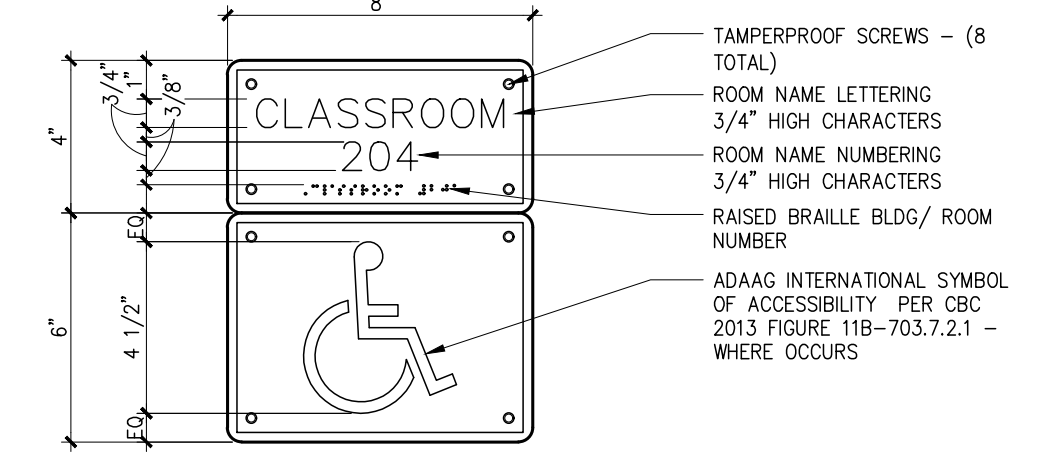
REFERENCE TYP. BLDG. / PORTABLE COLOR SCHEDULE FOR FINISH COLORS

- A: DOOR FRAMES, DOORS, BRICK BLDG / PORTABLE FASCIA AND CANOPY WALKWAY POST TYP
- B: STUCCO, WINDOW FRAMES, DOWNSPOUTS MOUNTED ON UNDERSIDE OF OVERHANG, CANOPY WALKWAY UNDERSIDE AND PORTABLE T1-11 BODY
- C: BRICK WALLS, LOUVERS AND WALL MOUNTED DOWNSPOUTS AT BLDGS WALLS
- D: HVAC UNITS, BARD UNITS AND RAIN GUTTERS

TYP. BRICK BLDG / PORTABLES

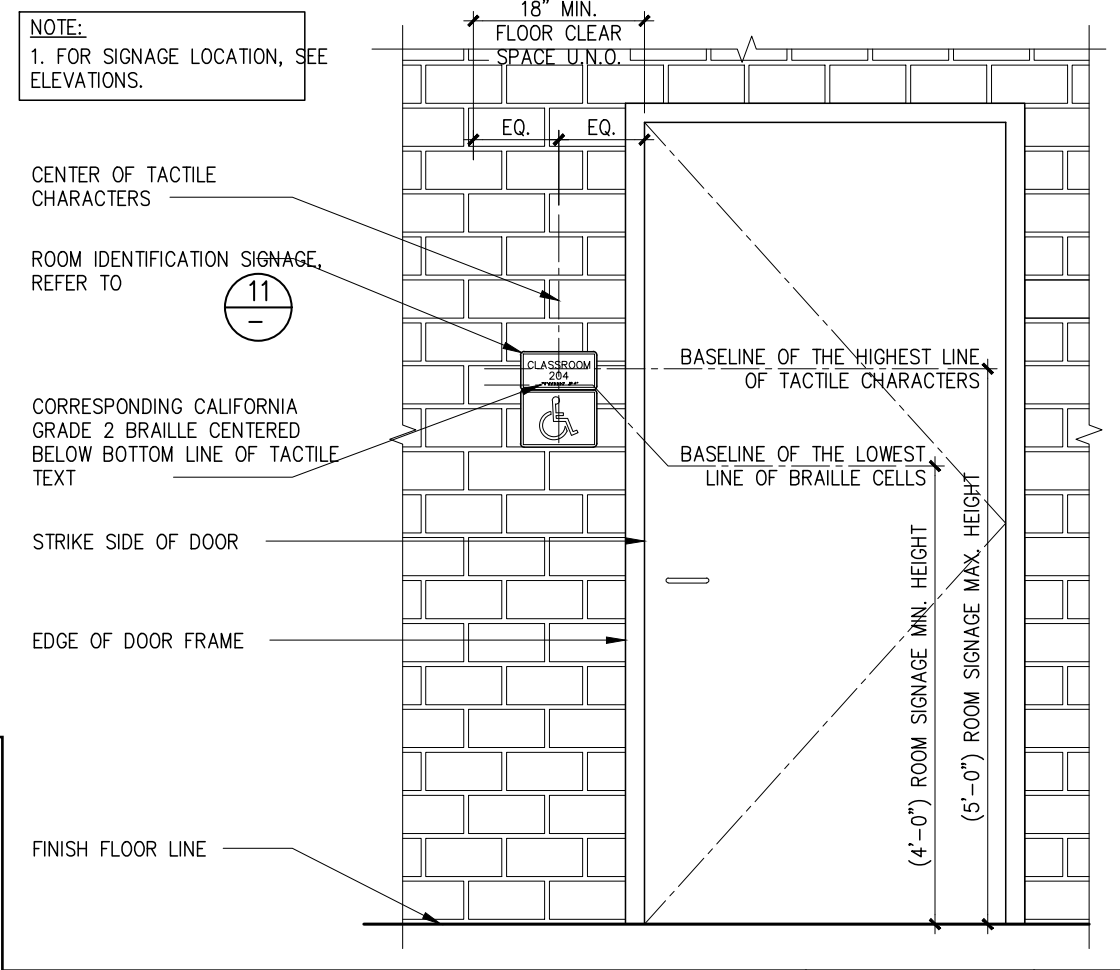
TYP. PAINTING + CONSTRUCTION NOTES

1. PRESSURE WASH ALL EXTERIOR SURFACES PRIOR TO PREPERATION FOR NEW FINISH
2. COMPLETELY REMOVE APPROX. 1,800' LNFT OF (E) FASCIA AND INSTALL APPROX. 1,800' LNFT OF NEW 2X WINDSOR ONE WOOD FASCIA S1S2E FASTENED WITH 16D NAILS. NAIL HOLES TO BE SEALED AND PAINTED OVER
3. REMOVE APPROX 1,800 LNFT OF METAL EDGE ROOF FLASHING AND INSTALL 1,800 LNFT OF NEW ROOF FLASHING
4. REMOVE APPROX 1,000 LNFT OF VENT SCREEN AND INSTALL APPROX 1,000 LNFT OF NEW VENT SCREEN PER DETAILS
5. REMOVE AND INSTALL (N) APPROX 1,500' LNFT OF NEW 22GA SHEET MTL. GUTTER
6. REMOVE (E) DOWNSPOUTS AND INSTALL APPROX 3 SCHDL 40 METAL DOWN SPOUTS FOR EA BLDG RECVING RAIN GUTTERS
7. NEW GUTTERS AND DOWN SPOUTS TO BE KYNAR FINISH. NEW DOWN SPOUTS TO BE FIELD MEASSURED / LAID OUT FOR MAXIMUM WATER DISBURSMENT. MINIMUM 3 DOWN SPOUTS PER BLDG SIDE.(N) DOWN SPOUTS SHALL MATCH BACK COLOR OF MOUNTING LOCATION
8. REMOVE (E) SIGNAGE. MATCH (E) SIGANGE AND INSTALL NEW BLDG SIGNAGE PER DETAILS
9. PREP, ETCH AND CLEAN ROOF HVAC UNITS/BARD UNITS TO RECEIVE NEW PRIMER AND FINISH
10. ALL CANOPY WALKWAY UNDERSIDE SHALL BE PRIMED AND PAINTED OVER EXISTING SPARYED TEXTURE, EXISTING TEXTURE SHALL NOT BE DISTURBED. ALL WALKWAY POST SHALL BE SCRAPPED AND PREPED TO RECEIVE NEW PRIMER AND FINISH PER THE COLOR SCHEDULE



- NOTES:
1. BRAILLE SYMBOLS: CONTRACTED CALIFORNIA GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE SYMBOLS ARE SPECIFICALLY REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE 1/10 INCH (2.54mm) ON CENTERS IN EACH CELL WITH 2/10 INCH (5.08mm) SPACE BETWEEN CELLS. DOTS SHALL BE RAISED A MINIMUM OF 1/40 INCH (0.635mm) ABOVE THE BACKGROUND WITH SLOPED TOPS.
 2. SIGNS TO BE 1/8" THICK ACRYLIC WITH 1/32" RAISED BORDER, GRAPHICS AND LETTERS. SET SIGN IN MASTIC AND PROVIDE MECHANICAL MOUNTING VANDAL RESISTANT FASTENERS. COMPLY WITH ARTICLE 4.03 B.A.30.0 OF THE ADASAC.
 3. FIGURE, LETTERING, AND 1/4" BORDERS ARE TO BE "WHITE #225" ON A BACKGROUND COLOR "BLUE #116".
 4. REFER TO DETAIL (10) FOR MOUNTING HEIGHT AND LOCATION.
 5. PROVIDE LIST OF ROOM NAMES AND SHOP DRAWINGS FOR DISTRICT AND ARCHITECT APPROVAL PRIOR TO FABRICATION AND INSTALLATION.
 6. WHERE SIGN IS LOCATED ON GLASS WINDOW, SET ON ADHESIVE.

ROOM IDENTIFICATION SIGNAGE



ELEVATION OF ROOM NAME AND NUMBER SIGNAGE

- ALL BUILDINGS, SHADE STRUCTURES, APPARATUS AND PORTABLES SHOWN OR NOT THAT ARE WITHIN THE SITE SHALL BE PREPARED, PRIMED AND PAINTED PER THE COLOR SCHEDULE AND SPECIFICATIONS
- PROPER CLEANING, PRESSURE WASHING OF GUNK, GUM, MELDEW ETC. SHALL BE THOROUGHLY PERFORMED PRIOR TO PRIMER AND PAINT
- ALL CRACKS, CONTROL LINES, EXPANSION JOINTS AND WINDOW FRAMES SHALL BE SEALED USING SPECIFIED / APPROVED MATERIALS
- EXISTING PORTABLES ONSITE SHALL RECEIVE PREP, PRIMER AND TWO COATS OF FINISH AT EXTERIOR. REFERENCE COLOR SCHEDULE

TYP. BRICK BLDG / PORTABLES

2023 Painting Group #2

Cresson Elementary School
11650 Cresson St
Norwalk CA, 90650

ADDENDUM NO. 1

OVERALL SITE PLAN & DETAILS

DRAWING NUMBER: **CES.1**

Little Lake City School District

TECHNICAL SPECIFICATION

HAZARDOUS MATERIALS REMOVAL/IMPACT

EXTERIOR PAINTING AND MINOR REPAIR PROJECT

CRESSON ELEMENTARY SCHOOL

11650 CRESSON STREET
NORWALK, CALIFORNIA 90650

Volume 1 of 1

EE Project No. 23-Z0187-0060

April 18, 2023



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info@execenv.com

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DIVISION 1
GENERAL REQUIREMENTS

SECTION 01010
SCOPE OF WORK

1.1 GENERAL:

The work to be performed by the contractor comprises:

PROJECT: HAZARDOUS MATERIAL REMOVAL/IMPACT IN CONJUNCTION WITH THE CAMPUS-WIDE EXTERIOR PAINTING AND MINOR REPAIR PROJECT

OWNER: LITTLE LAKE CITY SCHOOL DISTRICT

1.2 THE SITE:

The work will be performed at the following site within the Little Lake City School District:

Site Location
Cresson Elementary School 11650 Cresson Street Norwalk, California 90650

The exact scope and limits of work are the sole responsibility of the Abatement Contractor, he/she shall determine and verify all conditions, quantities and situations adjoining his/her work and existing items. It is the responsibility of the Abatement Contractor and or prime trade to use trained personnel, proper personal protection and monitoring, wet methods, and compliant disposal of those materials that might be impacted during this project.

1.3 POTENTIAL ASBESTOS HAZARD

- A. Abatement Contractor is warned that unprotected exposure to asbestos fibers has been determined to significantly increase risk of incurring the following diseases: asbestosis, lung cancer, mesothelioma, and certain gastrointestinal cancers. Care must be taken to avoid releasing or causing to be released, asbestos fibers into the atmosphere. Within Code of Federal Regulations, Title 29, Section 1926.1101 (abbreviated as 29 CFR 1926.1101), the Occupational Safety and Health Administration (OSHA) has set standards for permissible exposure to airborne concentrations of asbestos fibers, methods of compliance, personal protective equipment, and other methods which must be utilized when working with, or in proximity to asbestos. In executing the contract, the Abatement Contractor certifies that he shall comply with all parts of this regulation, as well as any more stringent requirements as specified in this specification.
- B. Abatement Contractor shall presume that detectable levels of asbestos are present in all existing installed surfaces, except and unless objective information to the contrary is provided by the Owner, Owner's Representative, or Owner's Consultant. The Abatement Contractor shall be responsible for conformance with all applicable Cal/Occupational Safety and Health Administration (Cal/OSHA) Worker Protection and Cal/Environmental Protection Agency (EPA) Environmental Protection requirements pertaining to asbestos as applicable to the Abatement Contractor's work.

1.4 LEAD-BASED PAINT HAZARD

Lead has been used as a key ingredient in paint for many years. Cal/OSHA requires all employers of employees who work with materials that may be toxic, including lead-containing paint, to provide hazard communication and training to their employees. All contractors shall ensure that they are in compliance with all Cal/OSHA and applicable regulations. Additionally, the contractors shall observe the following work practices:

- Absolutely no dry sanding of painted surfaces.
- When surface cleaning is necessary for repainting, surfaces shall be wet-cleaned or HEPA vacuumed.
- Voids or ridges in painted surfaces shall be filled or "feathered" as necessary with compatible, non-lead containing products.
- Paint Film Stabilization is required where loose and flaky paint exists prior to component removal and/or demolition. A top coat sealer, lead-bloc or other encapsulation method, shall be applied throughout identified painted surfaces/components to prevent further lead-based paint (LBP) flaking during removal.
- All cleanup of debris shall include wet methods or use of a high efficiency particulate air (HEPA) filtered vacuum.
- All paint debris and disposable equipment/materials from surface preparation, demolition or other paint disturbance, shall be contained and removed from the site.

1.5 SCOPE OF WORK:

Contractor will follow the applicable abatement procedures listed below for that material. Where conflict among requirements or with these specifications exists, the more stringent requirements shall apply.

Hazardous Materials Removal: This Contract covers the furnishings of all labor and materials and proper disposal required for impacting of hazardous materials from the following areas:

A. Asbestos-Containing Materials – Removal:

1. Remove and dispose of asbestos-containing materials (ACM) asbestos-containing construction materials (ACCM) and presumed asbestos-containing construction materials (PACM) from areas designated by the various Prime Trades/Construction Manager and/or District as required for this project.
2. ***Contractor should work on no more than one (1) building at any one time. All work must be completed prior to starting an additional work area/building. If an area should fail clearance wipe sampling, contractor is to return to re-clean area at start of shift following receipt of sample results***
3. Clearance sampling will be accomplished via final visual and/or Phase Contrast Microscopy (PCM) or Transmission Electron Microscopy (TEM), whichever is appropriate, in accordance with AHERA Regulations (40 CFR 763).
3. Contractor shall use every effort to limit the number of multiple containment areas by combining as many rooms/areas as possible into one containment.

Asbestos scope of work starts on the next page.

Asbestos-Containing Materials Administration Building						
Item No.	Material Description	Type of work	Location	Quantity	ACM content	Applicable Haz. Mat'l section
01	Window putty	Impact as stated in plans or requested by District	Throughout exterior side of windows and vents	650 Square Feet	2% Chrysotile	02078 HM
02	Caulking	Impact as stated in plans or requested by District	Exterior around perimeter doors	15 Square Feet	3%-5% Chrysotile	02078 HM

Asbestos-Containing Materials 100 Building						
Item No.	Material Description	Type of work	Location	Quantity	ACM content	Applicable Haz. Mat'l section
03	Window putty	Impact as stated in plans or requested by District	Throughout exterior side of windows and vents	600 Square Feet	<1%-2% Chrysotile	02078 HM
04	Caulking	Impact as stated in plans or requested by District	Exterior around perimeter doors	30 Square Feet	2%-3% Chrysotile	02078 HM

Asbestos-Containing Materials 200 Building						
Item No.	Material Description	Type of work	Location	Quantity	ACM content	Applicable Haz. Mat'l section
05	Roof mastic	Impact as stated in plans or requested by District	Throughout rooftop at roof jacks, flashing, fans, penetrations, HVAC, seams and patched areas	120 Square Feet	5% Chrysotile	02074A HM
06	Window putty	Impact as stated in plans or requested by District	Throughout exterior side of windows and vents	800 Square Feet	5% Chrysotile	02078 HM
07	Caulking	Impact as stated in plans or requested by District	Exterior around perimeter doors	20 Square Feet	<1%-2% Chrysotile	02078 HM

**Asbestos scope of work continues on the next page.
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Asbestos-Containing Materials 300 Building						
Item No.	Material Description	Type of work	Location	Quantity	ACM content	Applicable Haz. Mat'l section
08	Roof mastic	Impact as stated in plans or requested by District	Throughout rooftop at roof pipe jacks, flashing, fan jacks, penetrations, HVAC jacks, seams and patched areas	120 Square Feet	5% Chrysotile	02074A HM
09	Window putty	Impact as stated in plans or requested by District	Throughout exterior side of windows and vents	800 Square Feet	5% Chrysotile	02078 HM
10	Caulking	Impact as stated in plans or requested by District	Exterior around perimeter doors	20 Square Feet	5% Chrysotile	02078 HM

Asbestos-Containing Materials 400 Building						
Item No.	Material Description	Type of work	Location	Quantity	ACM content	Applicable Haz. Mat'l section
11	Roof mastic	Impact as stated in plans or requested by District	Throughout rooftop at roof pipe jacks, flashing, fan jacks, penetrations, HVAC jacks, seams and patched areas	120 Square Feet	5% Chrysotile	02074A HM
12	Window putty	Impact as stated in plans or requested by District	Throughout exterior side of windows and vents	800 Square Feet	5% Chrysotile	02078 HM
13	Caulking	Impact as stated in plans or requested by District	Exterior around perimeter doors	20 Square Feet	2% Chrysotile	02078 HM

Asbestos-Containing Materials 500 Building						
Item No.	Material Description	Type of work	Location	Quantity	ACM content	Applicable Haz. Mat'l section
14	Window putty	Impact as stated in plans or requested by District	Throughout exterior side of windows and vents	800 Square Feet	2% Chrysotile	02078 HM

**Asbestos scope of work continues on the next page.
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Asbestos-Containing Materials Multi-Purpose Building						
Item No.	Material Description	Type of work	Location	Quantity	ACM content	Applicable Haz. Mat'l section
15	Roof mastic	Impact as stated in plans or requested by District	Throughout rooftop no. 1 at roof jacks, HVAC units, fans, flashing, seams, penetrations, and patched areas	75 Square Feet	5% Chrysotile	02074A HM
16	Roof mastic	Impact as stated in plans or requested by District	Throughout rooftop no. 2 at roof jacks, HVAC units, fans, flashing, seams penetrations, and patched areas	50 Square Feet	5% Chrysotile	02074A HM
17	Wall putty	Impact as stated in plans or requested by District	Throughout exterior side of the east windows at casing	30 Square Feet	2% Chrysotile	02078 HM

Asbestos-Containing Materials Portables 205 thru 212 and 305 & 306						
Item No.	Material Description	Type of work	Location	Quantity	ACM content	Applicable Haz. Mat'l section
18	No regulated asbestos-containing materials were identified as pertaining to the materials anticipated to be impacted by the Exterior Painting and Minor Repair Project.					

Asbestos-Containing Materials Covered Walkways						
Item No.	Material Description	Type of work	Location	Quantity	ACM content	Applicable Haz. Mat'l section
19	Roofing coating material (on metal roof)	Impact as stated in plans or requested by District	Throughout rooftop of Covered Walkway no. 1	1,300 Square Feet	20%-25% chrysotile	02074 HM 02076 HM
20	Roofing mastic	Impact as stated in plans or requested by District	Throughout rooftop of Covered Walkway no. 1 at roof deck, patches and conduit pads	30 Square Feet	5% chrysotile	02074A HM
21	Conduit pads	Impact as stated in plans or requested by District	Throughout rooftop of Covered Walkway no. 1	20 Square Feet	2% chrysotile	02074 HM
22	Texture coat	Impact as stated in plans or requested by District	Throughout ceiling of Covered Walkway no. 1	1,300 Square Feet	<1%-25% chrysotile	02076 HM
23	Roofing coating material (on metal roof)	Impact as stated in plans or requested by District	Throughout rooftop of Covered Walkway no. 2	3,000 Square Feet	25%-75% chrysotile	02074 HM 02076 HM
24	Roofing mastic	Impact as stated in plans or requested by District	Throughout rooftop of Covered Walkway no. 2 at roof deck, patches and under conduit pads	200 Square Feet	5% chrysotile	02074A HM

END OF ASBESTOS SCOPE

B. Lead Abatement Procedures:

1. Remove and dispose of surfaces coated with lead-based paint/glaze from areas designated by the various prime trades and/or Construction Manager as required for construction of the Project. Some work may require only partial removal of the materials/components listed.
2. It is the responsibility of all contractors to use trained and certified personnel in accordance with California Department of Public Health (CDPH) and the Environmental Protection Agency's (EPA) Renovation, Repair, and Painting (RRP) regulations and use proper personal protection and monitoring, wet methods, and proper disposal of materials that might be impacted during this project.
3. Paint film stabilization is required where loose and flaky paint exist prior to component removal or demolition. A top coat sealer, lead-bloc or other encapsulation method, shall be applied to prevent further LBP flaking during removal.
4. For all surfaces scheduled for repainting, paint film stabilization will be required. Loose and flaky paint should be scraped and a top-coat compatible primer, lead-bloc or other encapsulation method, should be applied over intact areas for further surface preparation/painting by other trades.
5. Clearance sampling will be accomplished via lead wipe samples collected at random location throughout the work areas.
6. ***Contractor should work on no more than one (1) building at any one time. All work must be completed prior to starting an additional work area/building. If an area should fail clearance wipe sampling, contractor is to return to re-clean area at start of shift following receipt of sample results.***
7. The contractor shall be responsible for all testing required for the proper disposal of all lead-based paint and lead-containing waste materials. This will require testing using waste stream analysis by the TTLC, STLC, and TCLP methods successively, if necessary, to determine non-regulatory limits for disposal. Contractor shall ensure that the attending consultant monitors and is aware (in writing) of each specific material sampling for waste stream analysis. **This information must be provided to the consultant prior to the material being removed from the site for testing.** Materials shall not be removed from the site until such testing and its results are provided to the consultant.

**Lead scope of work starts on the next page.
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Lead-Based Paint Administration Building						
Item No.	Material Description	Type of work	Location	Quantity	Lead content Mg/cm ²	Applicable Haz. Mat'l section
25	Metal window frame/casing	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Throughout exterior	80 Total	1, 0.9	02093 HM 02095 HM
26	Metal wall hydrant (red)	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, side A	1 Total	17.3	02093 HM 02095 HM
27	Metal downspout (red)	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, side C	2 Total	2	02093 HM 02095 HM
28	Metal roof pipe jack flashing	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Rooftop	13 Total	81.2	02093 HM 02095 HM
29	Metal light fixture	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, side C	1 Total	1.4	02093 HM 02095 HM

Lead-Based Paint 100 Building						
Item No.	Material Description	Type of work	Location	Quantity	Lead content Mg/cm ²	Applicable Haz. Mat'l section
30	Metal downspout (red)	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, side B	3 Total	1.5	02093 HM 02095 HM
31	Metal window frame/casing	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, sides B, C, D	220 Totals	3.2, 2.5	02093 HM 02095 HM
32	Metal wall hydrant (red)	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, sides C & D	2 Total	16	02093 HM 02095 HM
33	Metal roof pipe jack flashing	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Rooftop	17 Total	64	02093 HM 02095 HM

**Lead scope of work continues on the next page.
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Lead-Based Paint 200 Building						
Item No.	Material Description	Type of work	Location	Quantity	Lead content Mg/cm²	Applicable Haz. Mat'l section
34	Metal wall hydrant (red)	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, sides C & D	3 Total	12	02093 HM 02095 HM
35	Metal window frame/casing	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, sides B & D	184 Totals	0.9	02093 HM 02095 HM
36	Metal roof pipe jack flashing	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Rooftop	25 Total	48.7	02093 HM 02095 HM

Lead-Based Paint 300 Building						
Item No.	Material Description	Type of work	Location	Quantity	Lead content Mg/cm²	Applicable Haz. Mat'l section
37	Metal window frame/casing	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, sides B & D	184 Totals	0.9	02093 HM 02095 HM
38	Metal roof pipe jack flashing	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Rooftop	25 Total	30.5	02093 HM 02095 HM

**Lead scope of work continues on the next page.
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Lead-Based Paint 400 Building						
Item No.	Material Description	Type of work	Location	Quantity	Lead content Mg/cm ²	Applicable Haz. Mat'l section
39	Wood window header	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, sides B & D	550 Square Feet	1.3	02093 HM 02095 HM
40	Metal window frame/casing	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, sides B & D	184 Total	21, 8	02093 HM 02095 HM
41	Metal downspout (red)	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, side B	2 Total	1.8	02093 HM 02095 HM
42	Metal ribbed conduit	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, side B	2 Total	1.3	02093 HM 02095 HM
43	Metal roof pipe jack flashing	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Rooftop	25 Total	35	02093 HM 02095 HM

Lead-Based Paint 500 Building						
Item No.	Material Description	Type of work	Location	Quantity	Lead content Mg/cm ²	Applicable Haz. Mat'l section
44	Metal window frame/casing	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, sides B & D	184 Total	2.7, 2.1, 2.3	02093 HM 02095 HM
45	Wood transom	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, side B	64 Total	1	02093 HM 02095 HM
46	Wood window header	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, sides B & D	550 Square Feet	1	02093 HM 02095 HM
47	Metal ribbed conduit	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, side B	2 Total	2	02093 HM 02095 HM
48	Metal roof pipe jack flashing	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Rooftop	25 Total	81	02093 HM 02095 HM

**Lead scope of work continues on the next page.
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Lead-Based Paint Multi-Purpose Building						
Item No.	Material Description	Type of work	Location	Quantity	Lead content Mg/cm²	Applicable Haz. Mat'l section
49	Metal vent (red)	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Throughout exterior	9 Total	1.1	02093 HM 02095 HM
50	Metal downspout (red)	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, side B	2 Total	1.7	02093 HM 02095 HM
51	Metal roof pipe jack flashing	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Rooftops 1 & 2	17 Total	82.8, 80.1	02093 HM 02095 HM

Lead-Based Paint Portables 205 thru 212 and 305 & 306						
Item No.	Material Description	Type of work	Location	Quantity	Lead content Mg/cm²	Applicable Haz. Mat'l section
52	No regulated lead-based paint was identified as pertaining to the surfaces or components anticipated to be impacted by the Exterior Painting and Minor Repair Project.					

Lead-Based Paint Covered Walkways						
Item No.	Material Description	Type of work	Location	Quantity	Lead content Mg/cm²	Applicable Haz. Mat'l section
53	Metal ceiling	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Throughout covered walkway no. 1	1,300 Square Feet	1.3	02093 HM 02095 HM
54	No regulated lead-based paint was identified at covered walkway no. 2 as pertaining to the surfaces or components anticipated to be impacted by the Exterior Painting and Minor Repair Project.					

END OF LBP SCOPE

END OF SCOPE OF WORK

1.6 WORK PLAN:

A preliminary work plan and proposed schedule shall be submitted with the bid form. Detailed work plan to be submitted within five (5) days of award of contract. At a minimum, the plan must include the following items:

- A. **Project schedule:** Include the proposed shifts, time, and manpower (include number of men per shift).

- B. **Detailed Work Plan:**
 - 1. **Protective Equipment:** Specifying protective equipment (respiratory and body protection).
 - 2. **Layout and Location on a drawing for each phase of work:**
 - a. **Decontamination:** Decontamination areas.
 - b. **Work Area:** Work area location, waste out area, location of equipment (staging area).
 - c. **Waste Bin:** Location of waste bins.
 - 3. **Document for each phase of work:**
 - a. **Containment:** Containment construction and methods.
 - b. **Disposal:** Disposal plan to include transporter and landfill name.
 - c. **Removal Methods:** Removal methods to prohibit visible emissions. Specific techniques/procedures for each material to be abated.
 - d. **Air monitoring firm/lab:** For conducting/analysis of personal samples.
 - e. **Levels of respiratory protection:** Provide levels of respiratory protection for each type of removal (e.g., floor tile, drywall).
 - f. **Equipment:** Equipment assigned to the project.

- C. **Removal Methods:** In compliance with local, state, and federal requirements for asbestos removal.

- D. **Contacts:** Point of contact for questions.

- E. **Security/Fire Watch Plan:** Names, qualifications, etc. (if applicable).

1.7 SITE ACCESS

Site access is available during the days and hours as specified in bid and pre-construction meetings.

END OF SECTION

SECTION 01011 HM

**ADDITONAL CONDITIONS FOR
HAZARDOUS MATERIALS WORK**

1.1 GENERAL:

- A. The work to be performed by the HAZARDOUS MATERIALS CONTRACTOR is defined in the methodologies of the Hazardous Materials Specifications as referenced, the General and Special Conditions, Division1/General Requirements, all special requirements, Section 01011 HM and specifically outlined in the Scope of Work.
- B. As further clarification the following apply to this contract:
1. This Contract covers the furnishings of all labor and materials and compliant disposal of hazardous materials impacted as required by the scope of work. Some work may require only partial removal of the materials listed.
 2. It is the responsibility of the Abatement Contractor and/or prime trade to use trained personnel, proper personal protection and monitoring, wet methods and compliant disposal of those materials which might be impacted during this project.
 3. The District has made every attempt to identify all materials which will be impacted by this project. Except for those materials where objective information is provided to the contrary by the Owner, Owner's Representative, or Owner's Consultant the Abatement Contractor shall presume that detectable levels of asbestos are present in all remaining materials. If the Contractor is to impact materials, the contractor shall contact the Owner or Owner's representative prior to such impact.
 4. The Abatement Contractor shall be responsible for conformance with all applicable Cal/OSHA Worker Protection and Cal/EPA Environmental Protection and South Coast Air Quality Management District requirements pertaining to asbestos and/or lead paint as applicable to the Abatement Contractor's work.
 5. Hazardous Materials Contractor shall use California Department of Public Health (CDPH) and the Environmental Protection Agency's (EPA) Renovation, Repair, and Painting (RRP) trained and certified personnel for all lead-related work. In addition, Hazardous Material Contractor must also be certified as a firm in accordance with the EPA's RRP regulation.
 6. Contractor should work on no more than one (1) building at any one time. All work must be completed prior to starting an additional work area/building. If an area should fail clearance wipe sampling, contractor is to return to re-clean area at start of shift following receipt of sample results.
 7. **Area clearance for lead:** For lead, all clearance wipes shall be randomly performed for those areas impacted through refinishing/repainting where scraping of LBP has occurred.
 8. Contractor will follow the applicable abatement procedures listed in this scope of work. Where conflict among requirements or within these specifications exists, the more stringent requirements shall apply.
 9. Provide an English-speaking On-site Competent Person who is able to understand and carry out the work set forth in the contract documents.
 10. Have fully staffed and capable crews working simultaneously on separate areas as necessary to maintain the project schedule. This is to include working multiple shifts, off-hours construction, and weekends at no additional cost to the owner.
 11. Be responsible for cooperation and coordination with school programs, Contractors of other Bid Packages, Testing Lab, local regulatory agencies, and Utility Companies.

12. Provide to District's Project Consultant satisfactory proof that the appropriate regulatory notification(s) has/have been issued and validation of a signed copy of the Contract with the District.
13. Supply power cords, distribution boxes, adapters, etc., as necessary to complete the work of this Bid package within the prescribed time frame and as such allows the District's Environmental Consultant to have access to five (5) free outlets per containment at any one time. Power will be supplied to locations within 25 feet of each containment/regulated area at no cost to the Environmental Consultant.
14. Provide task lighting as required to facilitate the work of the Bid Package in a timely manner according to the construction schedule. Provide sufficient task lighting to facilitate work of good quality. Provide sufficient task lighting for the Consultant during visual inspections and during clearance testing.
15. Normal hours of construction are from 7:00 am to 5:00 pm on a daily basis or as directed by District. Actual construction hours may be revised as project constraints may vary.
16. Provide and maintain sufficient hazardous waste containers to accommodate the hazardous waste generated on a daily basis. Full waste bin must be removed within two (2) days after bin is full. Waste and waste containers must be removed within two days (2) after the scheduled or agreed upon ending of project.
17. Maintain a clean work area. Perform a thorough clean-up of the area on a daily basis. All hazardous waste **MUST** be removed from the work area and stored in a locked waste bin.
18. Where areas are accessible from the exterior and cannot be secured because of containment restrictions, Hazardous Materials Contractor shall provide either 24-hour security or construct such a secured barrier while allowing Work Area accessibility to Emergency personnel, the Environmental Consultant, and the District at all times.
19. Hazardous Materials Contractor shall submit a detailed work plan and proposed schedule within five (5) days of award of contract. At a minimum, the plan must include the following items:
 - a. **Project schedule:** Include the proposed shifts, time, and manpower (include number of employees per shift).
 - b. **Detailed Work Plan:**
 - (1) Protective Equipment: Specifying protective equipment (respiratory and body protection)
 - (2) Layout and Location on a drawing for each phase of work:
 - (a) Decontamination: Decontamination areas
 - (b) Work Area: work area location, waste out area, location of equipment (staging area), location of negative air machines.
 - (c) Waste Bin: Location of waste bins
 - (3) Document for each phase of work:
 - (a) Containment: Containment construction and methods
 - (b) Disposal: Disposal plan to include transporter and landfill name
 - (c) Removal Methods: Removal methods to prohibit visible emissions. Specific techniques/procedures for each material to be removed.
 - (d) Air monitoring firm/lab: For conducting analysis of personnel samples.

- (e) Levels of Respiratory Protection: Provide levels of respiratory protection for each type of removal (e.g., floor tile, drywall, etc.).
- (4) Equipment: Equipment assigned to the project.
- (5) Negative Air Machines: Number of negative air machines, in use at any one time.
Number of back-up negative air machines for this phase.
- c. **Specific Removal Methods**: In compliance with local, state and federal requirements for the abatement procedures.
- d. **Contacts**: Point of contact for questions.
- e. **Security/Fire Watch Plan**: Names, qualifications, etc. (if applicable)

SECTION 02071 HM
ASBESTOS REMOVAL

PART 1 - GENERAL

1.1 SCOPE:

This Specification covers the abatement of friable asbestos-containing materials as described in Section 01010 HM, Scope of Work.

1.2 DESCRIPTION OF WORK:

A. **General:** The Work specified herein shall be the removal of asbestos-containing material by persons knowledgeable, qualified, and trained in the removal, treatment, handling, and disposal of asbestos-containing material, and the subsequent cleaning of the affected environment, and who comply with Federal, State, and Local regulations which mandate work practices, and who are capable of performing the Work of this Contract.

B. The Contractor shall supply all labor, materials, equipment, services, insurance, and incidentals which are necessary or required to perform the Work in accordance with applicable governmental regulations and these Specifications.

C. **Related Work Specified Elsewhere:**

Please refer to Section 01010 HM, Scope of Work

1.3 TERMINOLOGY:

The following terms used in these Specifications are defined as listed below:

A. **Abatement:** Procedures to control fiber release from asbestos-containing building materials. Includes securing the Work area, removing the material, cleaning the area, and disposal of the material.

B. **Access Doorway:** A device to allow ingress and egress from one room to another while permitting minimal air movement between the rooms, typically constructed by placing two or three overlapping sheets of plastic over an existing or temporarily framed doorway, securing each along the top of the doorway, securing the vertical edge of one sheet along one vertical side of the doorway, and securing the vertical edge of the other sheet along the opposite vertical side of the doorway; or by using a rigid gasket door and HEPA filter vents.

C. **ACCM:** Asbestos Containing Construction Material which contain one-tenth of a percent or greater, but not greater than one percent asbestos.

D. **ACM:** Asbestos Containing Material is a material which contains greater than one percent asbestos.

E. **Air Filtration Equipment:** A portable local filtration system equipped with HEPA filtration and capable of maintaining a constant, low velocity flow to filter and trap

contamination out of the air within the work area and then circulate or exhaust the filtered air to uncontaminated areas. This equipment is also used to establish a reduced pressure within the work area.

- D. **Air Monitoring:** The process of measuring the fiber content of a specific volume of air in a stated period of time.
- F. **Air Lock:** A system for permitting ingress and egress with minimum air movement between a contaminated area and an uncontaminated area, consisting of dual or triple curtained doorways or rigid gasket doors separated by a dead air space of four feet.
- G. **Air Sampling Professional:** The professional contracted or employed to supervise air monitoring and technical deficiencies in Worker protection equipment and procedures during both planning and on-site phases of an abatement project. This individual shall be a certified California Site Surveillance Technician or a California Certified Asbestos Consultant and have specialized experience in air sampling for asbestos.
- H. **Amended Water:** Water to which a surfactant has been added.
- I. **Area Monitoring:** Sampling of asbestos fiber concentrations within the asbestos Work Area and outside the asbestos Work Area which is representative of the airborne concentrations of asbestos fibers which may reach the breathing zone.
- J. **Asbestos:** The term asbestos includes Chrysotile, Amosite, Tremolite, Anthophyllite, and Actinolite.
- K. **Asbestos Fibers:** This expression refers to asbestos fibers having an aspect ratio of 3:1 and longer than 5 micrometers.
- L. **ASTM:** American Society for Testing and Materials.
- M. **Authorized Person or Visitor:** The building owners, or their authorized representative, Contractor's representative, or any representative of a regulatory or other agency having jurisdiction over the Project.
- N. **Ceiling Concentration:** An exposure of airborne concentrations of asbestos fibers at any time in excess of 10 fibers per cubic centimeters of air.
- O. **CFR:** Code of Federal Regulations.
- P. **Clean Room:** An uncontaminated area or room which is a part of the Work decontamination facility with provisions for storage of worker's street clothes and protective equipment.
- Q. **Curtained Doorway:** A device to allow ingress and egress from one room to another while permitting minimal air movement between the rooms, typically constructed by placing two overlapping sheets of plastic over an existing or temporarily framed doorway, securing each along the top of the doorway, securing the vertical edge of one sheet along one vertical side of the doorway, and securing the vertical edge of the other sheet along the opposite vertical side of the doorway.

- R. **Decontamination Facility:** A series of connected rooms, with access doorways between any two adjacent rooms, for the decontamination of workers and of materials and equipment. A decontamination facility always contains at least one air lock.
- S. **Encapsulant (sealant):** A liquid material which can be applied to asbestos containing material and which controls the possible release of asbestos fiber from the material either by creating a membrane over the surface (bridging encapsulant) or by penetrating into the material and binding its components together (penetrating encapsulant).
- T. **Encapsulation:** Procedures necessary to apply an encapsulant to asbestos containing building materials to control the possible release of asbestos fibers into the ambient air.
- U. **Encasement:** Procedures necessary to apply an encasement product to an asbestos containing building material to control the possible release of asbestos fibers into the ambient air and to provide closure of the asbestos material to the substrate.
- V. **Enclosure:** Procedures necessary to enclose completely asbestos containing material behind airtight, impermeable, permanent barriers.
- W. **Equipment Decontamination Facility:** That portion of a decontamination unit designed for controlled transfer of materials and equipment, typically consisting of a washroom and a holding area.
- X. **Equipment Room:** A contaminated area or room which is part of the worker decontamination facility with provisions for storage of contaminated clothing and equipment.
- Y. **Fixed Object:** A unit of equipment or furniture in the Work area which cannot be removed from the Work area.
- Z. **Friable Asbestos Material: Asbestos Containing Material (ACM) or Asbestos Containing Construction Material (ACCM)** that can be crumbled, pulverized, or reduced to powder by hand pressure when dry.
- AA. **Glovebag Technique:** A method with limited applications for removing small amounts of friable asbestos-containing material from HVAC ducts, short piping runs, valves, joints, elbows, and other non-planar surfaces in a non-contained work area. The glovebag assembly is a manufactured or fabricated device consisting of a glovebag (typically constructed of 6-mil transparent regulate plastic), two inward projecting long sleeve rubber gloves, one inward projecting water-wand sleeve, an internal tool pouch, and an attached, labeled receptacle for asbestos waste. The glovebag is constructed and installed in such a manner that it surrounds the object or area to be decontaminated and contains all asbestos fibers released during the removal process. All workers who are permitted to use the glovebag technique must be highly trained, experienced, and skilled in this method.

- BB. **HEPA Filter:** A high efficiency particulate air (HEPA) filter capable of trapping and retaining 99.97 percent of particles (asbestos fibers) greater than 0.3 micrometers in mass median aerodynamic equivalent diameter.
- CC. **HEPA Vacuum Equipment:** Vacuuming equipment with a HEPA filter system.
- DD. **Holding Area:** A chamber in the equipment decontamination facility located between the washroom and an uncontaminated area. The holding area comprises an air lock.
- EE. **Log Book:** A notebook or other book containing essential project data and daily project information and a daily project diary. This book is kept on the Project site at all times.
- FF. **Mini-Enclosure:** A method with limited applications for removing small amounts of friable asbestos containing material typical for small-scale, short duration type projects.
- GG. **Movable Object:** A unit of equipment or furniture in the Work area which can be removed from the Work area.
- HH. **NESHAPS:** National Emission Standards for Hazardous Air Pollutants.
- II. **Negative Air Pressure Equipment:** A portable local exhaust system equipped with HEPA filtration and capable of maintaining constant, low velocity airflow into contaminated areas from adjacent uncontaminated areas.
- JJ. **NIOSH:** National Institute of Occupational Safety and Health.
- KK. **Non-Friable Asbestos Material:** Material that contains asbestos in which the fibers have been locked in by a bonding agent, coating, binder, or other material so that the asbestos is well bound and will not release fibers in excess of the asbestos control limit during any appropriate use, handling, demolition, storage, transportation, processing, or disposal. Also a material which cannot easily be crumbled, pulverized, or reduced to powder by hand pressure when dry.
- LL. **Personnel Monitoring:** Sampling of asbestos fiber concentrations within the breathing zone of an asbestos Worker.
- MM. **Plasticize:** To cover floor, walls, and other surfaces with plastic sheeting as herein specified.
- NN. **Removal:** All herein specified procedures necessary to remove asbestos-containing materials from the designated areas and to dispose of these materials at an acceptable site.
- OO. **Shower Room:** A room between the clean room and the equipment room in the worker decontamination unit with hot and cold or warm running water and suitably arranged for complete showering during decontamination. The shower room comprises an air lock between contaminated and clean areas.

- PP. **Surfactant:** A chemical wetting agent added to water to improve penetration.
- QQ. **Washroom:** A room between the Work area and the holding area in the equipment decontamination area; or between the equipment room and non-work area (2-stage decontamination unit). The washroom comprises an air lock.
- RR. **Wet Cleaning:** The process of eliminating asbestos-contamination from building surfaces and objects by using cloths, mops, or other cleaning tools which have been dampened with water, and by afterwards disposing of these cleaning tools as asbestos-contaminated waste.
- SS. **Work Area:** Designated rooms, spaces, or areas of the Project in which asbestos abatement actions are to be undertaken or which may become contaminated as a result of such abatement actions. A contained work area is a work area which has been sealed, plasticized, and equipped with a decontamination enclosure system. A non-contained work area is an isolated or controlled-access work area which has not been plasticized nor equipped with a decontamination enclosure system.
- TT. **Worker Decontamination Facility:** That portion of a decontamination facility designed for controlled passage of workers, and other personnel and authorized visitors, typically consisting of a clean room, a shower room, and an equipment room.

1.4 **APPLICABLE DOCUMENTS:**

The current issue of each document shall govern. Where conflict among requirements or with these Specifications exists, the more stringent requirements shall apply.

A. **Regulations:** Comply with applicable federal, state, and local regulations.

1. General - Codes, regulations and references applicable to asbestos abatement work include but are not limited to the following:
2. All Federal, State, Local, and South Coast Air Quality Management District regulations.
3. American National Standards Institute (ANSI) publications;

Z9.2-79	Fundamentals Governing the Design and Operation of Local Exhaust Systems
Z87.1-79	Occupational and Educational Eye and Face Protection
Z88.2-80	Practices for Respiratory Protection
Z89.1-81	Requirements for Protective Headgear for Industrial Workers
Z41-83	Personal Protection - Protective Footwear

- Z88.6-84 Respiratory Protection - Respiratory use Physical Qualifications for Personnel
4. American Society for Testing and Materials (ASTM) publications;
- D331-56 Surface and Interfacial Tensions of Solutions of Surface Active Agents
5. Code of Federal Regulations (CFR);
- 29 CFR 1910.12 Construction Work
- 29 CFR 1910.20 General Safety and Health Provisions Access to Employee Exposure and Medical Records
- 29 CFR 1910 Subpart 1, Personal Protective Equipment
- 29 CFR 1910.145 Specifications for Accident Prevention Signs and Tags
- 29 CFR 1926.1101 Asbestos
- 29 CFR 1926 Asbestos, Tremolite, Anthophyllite, and Actinolite (Including All Mandatory Appendices)
- 34 CFR 231 Appendix C, Procedures for Containing and Removing Building Materials Containing Asbestos
- 40 CFR 61 Subpart A and Subpart M, USEPA, National Emission Standards for Hazardous Air Pollutants (NESHAPS)
6. Compressed Gas, Inc.
- G-7.1 Commodity Specification for Air (1973)
7. National Fire Protection (NFPA)
- No. 70.1984 National Electrical Code
8. UL 586-77 (R1982) Test Performance of High Efficiency Particulate Air Filter Units (June 10, 1977, 5th Ed.; Rev. March 12, 1982)
9. National Institute for Occupation Safety and Health (NIOSH)
- N31, 3rd. Ed., Vol. 1 Manual of Analytical Methods, Method 7400 Fibers
10. Environmental Protection Agency Documents:

EPA 530-SW-85-007	Asbestos Waste Management Guidance, May 1985
EPA 560/5-85-024	Guidance for Controlling Asbestos Containing Material in Buildings, June 1985
EPA 600/4-85-049	Measuring Airborne Asbestos Following and Abatement Action, November 1985
EPA 560 OPTS-86.001	A Guide to Respiratory Protection for the Asbestos Abatement Industry, April 1986

11. Department of Transportation (DOT)

DOT 49 CFR, Parts 171-177 regarding the transport of hazardous materials.

12. California Administrative Code (CAC)

Title 8, Article 2.5 Registration Asbestos-Related work (Section 341.6 through 341.14)

Title 8, Section 5208 General Industry Safety Orders, Asbestos Regulations

Title 22, Division 4, Minimum Standards for Management of Hazardous Chapter 30 and Extremely Hazardous Waste

13. Air Pollution Control District Regulations

South Coast Air Quality Management District Rule 1403

B. **Codes and Ordinances:** Comply with all state, county, and city codes and ordinances as applicable.

1.5 SUBMITTALS AND NOTICES:

Prior to commencement of work and/or within the time-frames specified below:

A. **General:** Requirements are as set forth in the General Conditions and Supplementary Conditions (Owner's) for items required to be submitted under this section.

B. **Product data:** Shall include manufacturer's product data, specifications, samples and application instructions and other pertinent information as necessary.

C. **Alternatives:** Product substitution submittal shall be in accordance with the General Conditions and Supplementary (Owner's) Conditions.

D. **Procedure Plans and Shop Drawings:** Submit to the Owner's consultant Procedure Plans and Shop Drawings and ensure that they are in compliance with this Specification and applicable regulations. Shop Drawings will include: construction of decontamination enclosure systems and/or facilities; isolation of the Work areas; placement of negative air machines and their exhaust, emergency exits, and placements of fire extinguishers and first aid kits.

1. Personal monitoring procedures in accordance with T8 CCR 1529.
2. Phasing of abatement work indicating daily roster of workers for each phase.
3. Security system warning signs locations in accordance with 29 CFR 1910.245, T8 CCR 1532.1, and T8 CCR 1529.
4. Detailed plans for decontamination facilities, toilets, and systems providing inter-room and work area to outside communication showing connections to existing building.
5. Standard procedures for protecting workers, visitors, and employees and protection of spaces outside work area from contamination.
6. Engineering systems exposure control indicating number, location, and capacity of supply and exhaust systems, the expected direction of flow, and the range of expected negative air pressure in each area.

E. **Qualifications: For Public Bid Projects** submit the following documents within seven (7) days from Notice to Proceed or by contract requirements, whichever is greater

1. **License:** Submit copy of current contractor license from the California Contractors State License Board.
2. **Insurance:** Submit copy of current insurance as required to perform work and as required by the General and Hazardous Materials specifications and Owner and Owner's representative.
3. **Registration:** Submit copy of the registration for Asbestos-Related Work from the Division of Occupational Safety and Health in accordance with Title 8, Article 2.5 of the California Administrative Code.
4. **Personnel Training-Superintendent and Foreman (Competent Person):** Submit copy of current certificate signed training institution that he or she has successfully completed a training course in asbestos abatement project supervision (Competent Person) offered by an EPA endorsed and Cal-OSHA accredited educational institution.
5. **Personnel Training-Workers:** Submit copy of the asbestos abatement employee training program, and certificates signed by each employee that he or she has had instructions on the hazards of asbestos exposure, has had training in asbestos removal, and understands this instruction. Submit copy of current certificate signed by the training institution that he or she has successfully completed a course (or refresher) in asbestos abatement worker training offered by an EPA endorsed and Cal-OSHA accredited educational institution.
6. **Personal Protection and Exposure Understanding:** Submit documentation to the Owner's consultant indicating that each employee has had instruction on the

hazards of asbestos exposure, on use and fitting of respirator, on protective dress, on use of showers, on entry and exit from work areas, and on all aspects of work procedures and protective measures and understands this instruction.

7. **Respirators:** Submit a written standard operating procedure governing selection, fit-testing, and use of respirators in accordance with 29 CFR 1910, Subpart 1, 29 CFR 1926.1101, CGAI Standard G7.1, ANSI Z88.2, and Z88.6. Also submit manufacturer's certification that the respirators to be used in this project comply with these regulatory requirements.
8. **Medical Examination:** Submit proof that personnel who will be entering contaminated areas have had medical examinations, and furnish the results of said exam to Owner's consultant. Comply with 29 CFR 1910.20 for access to employee exposure and medical records.
 - a. **Exam and History:** Before exposure to airborne asbestos, provide each employee with a comprehensive medical exam meeting the general definition outlined in California Administration Code Title 8 California Code of Regulations. No employee shall be allowed to enter the Work Area without having first provided a copy of his Medical History to the Owner's Representative.
 - b. **Employee Roster:** Submit an employee roster to Owner's consultant for each Work shift and confirm in writing within 24 hours of commencement of shift. The roster will consist of a list of employees who have received training and medical examinations per paragraphs Part 1.5, E.4, E.5, E.6, and E.8 of this section. A copy of this list is to be maintained in the Project Logbook.
 - c. **Proof of Documentation to Physician:** Contractor must provide verification to the Owner's consultant that the employer has provided the following information to the examining physician or physicians:
 - i. A copy of OSHA regulation Standard 29 CFR 1926.1101 and Appendices D, E, and F.
 - ii. A description of the affected employee's duties as they relate to the employee's exposure.
 - iii. The employee's representative exposure level or anticipated exposure level.
 - iv. A description of any personal protective and respiratory equipment used or to be used.
 - v. Information from previous medical examinations of the affected employee
 - vi. that is not otherwise available to the examining physician.

F. Notifications, Permits, Communications, and Postings.

1. **Submit copies of notifications to all appropriate Government agencies, including the following:**
 - a. CAL-OSHA (310) 949-7827 Notification shall be in accordance with the Section 341.9 of Title 8 of California Administrative Code.
 - b. South Coast Air Quality Management District (If required) Hazardous Materials Section:

21865 Copely Drive
Diamond Bar, CA 91765-8142
(909) 396-2336
 - c. Any Notifications to EPA.
 - d. All Notifications and Copies of Government agency correspondence shall be included in the submittals and copies are to be kept in the Project Logbook.
 - e. Where local police and fire departments have jurisdiction, secure approval of the proposed security and safety plans for the work prior to submittal to Owner's Representative. Contact both departments for the requirements of the approval process.
2. **Proof of Permits, Site Requirements and Disposal of Waste:** Submit proof satisfactory to the Owner's consultant that all required permits, site location, and arrangements for transport and disposal of asbestos containing materials, supplies, and the like have been obtained. Copies of these items are to be kept in the Project Log Book
3. **Safety Compliance:** In addition to detailed requirements of this Specification, comply with laws, ordinances, rules, and regulations of federal, state, regional, local authorities, and Owner's representative regarding handling, storing, transporting, and disposing of asbestos waste materials. Comply with applicable requirements of the current issue of 29 CFR 1910, 29 CFR 1926.1101, and 40 CFR 61, Subparts A, & M, 40 CFR 61.152, and CAC Section 5208.
4. **Standards Interpretations:** Submit matters of interpretation of standards to the appropriate administrative agency for resolution before starting Work. Where requirements of this Specification and reference documents vary, the most stringent requirement shall apply.
5. **Availability of Regulatory References:** Contractor shall have at least one copy each of 29 CFR 1910, 29. CFR.1910.134; 29 CFR 1926, 40 CFR Part 261, and CAC, Title 8, Section 5208, at his office and also at the job site.
6. **Posting of Caution Signs:** Before the commencement of any Work at the site, post bilingual EPA and CAL-OSHA caution signs in and around the Work Area to comply with EPA and OSHA regulations.

7. **Submit Training and Certifications:** Submit proof to the Owner's consultant that all asbestos workers assigned to this project are currently Cal-OSHA certified and accredited as an Asbestos Worker under the Asbestos Hazard Emergency Response Act. Submit proof to the Owner's consultant that at least one employee on each shift shall be currently Cal-OSHA certified and accredited as a Supervisor and shall have successfully completed in the last 12 months a course of instruction meeting the requirement for "Competent Person" (29 CFR 1926.1101).
8. **Project Logbook Submittals:** Submit front-end documents of Project Logbook. These documents will include copies of the Contractor's Respiratory Protection Program, HUD, and OSHA documents, worker decontamination procedures, equipment decontamination procedures, authorized personnel list, format of daily report sheets, test reports on waste materials, and format of waste manifests. The completed daily reports and waste manifests shall be submitted along with pay requests for completed work. Copies of these front-end documents shall be maintained at the site during the asbestos removal phase of the Project.
 - a. Superintendent is required to keep the Project Logbook up to date, ensure that all work criteria is followed in the proper sequence, and to fill out the enclosed check list to document the progression of the job. A separate checklist will be required for each individually prepped work area.
9. **Property Condition Assessment:** Owner, Architect/Engineer, or Owner's consultant, and Contractor must agree in writing on building and fixture condition prior to commencement of Work. The Contractor shall submit an inventory of all items removed from the Work area and an inventory of all items remaining in the Work area.
10. **Informing Other Trades:** The asbestos abatement contractor must inform other employers on site of the nature of the Contractor's work with asbestos-containing materials and the existence of and requirements pertaining to regulated areas. Such notification shall be coordinated with, and approved by, the Owner.
11. **Pressure Strip Recordings (Manometer):** At the termination of the project, submit copies of all pressure strip chart recordings.

G. Field Air Sampling:

Personal monitoring and other monitoring which is required by law or considered necessary by the Contractor for Worker protection shall be the responsibility of the Contractor and performed by Contractor's Air Sampling Professional.

H. Certifications:

1. **Equipment Certification:** Submit manufacturer's certification that vacuums, negative air pressure equipment filters, and other local exhaust ventilation equipment conform to ANSI Z9.2, as well as all Federal, State, Local, and SCAQMD regulations.

2. **Rental Equipment:** When rental equipment is to be used in removal areas or to transport waste materials, a copy of the written notification provided to the rental company informing them of the nature of use of the rented equipment shall be submitted to the Owner or Owner's Representative and signed by the rental company.

I. **Use of Vec-loader Equipment:**

The use of the vacuum equipment, its placement, and safety program shall be submitted for review.

1.6 **PERSONAL PROTECTION AND SAFETY:**

- A. **General:** The Contractor alone shall be responsible for the safety, efficiency, and adequacy of his or her plant, appliances, methods, and for any damages which may result from his or her operations, improper construction practices, or maintenance. He or she shall erect and properly maintain at all times as required by the conditions and progress of the Work, proper safeguards for the protection of workmen and the public and shall post warning signs around the job site.

B. **Personal Protective Equipment:**

1. Provide workers and authorized visitors with sufficient set of protective full body impervious protective clothing. Personal Protective Equipment shall comply with the requirements of 29 CFR 1910, Subpart I.
2. Work clothes shall consist of fire retarding, disposable, full-body coveralls, head covers, boots, rubber gloves, and steeled-toe boots or equivalent in accordance with 29 CFR 1926.134, and ANSI Z41. Sleeves at wrists and cuffs at ankles shall be secure.
3. Provide eye protection and hardhats as required by applicable safety regulations and shall conform to ANSI 87.1 and 89.1.
4. Provide authorized visitors with suitable protective clothing, headgear, eye protection, and footwear whenever they are required to enter Work area.

C. **Respiratory Protection Requirements:**

1. Disposable (single use) respirators are not to be worn for protection against asbestos.
2. **Providing of Equipment:** Provide all workers, foremen, superintendents, authorized visitors, and inspectors personally issued and marked respiratory equipment approved by NIOSH. When respirators with disposable filters are employed, provide sufficient filters for replacement as recommended by manufacturers or this specification. Selection of respirators shall be made according to the guidance of 29 CFR 1910 Subpart 1, ANSI Z88.2; CGAI G7.1; EPA 560 OPTS-86.001; and Table I of this section. The Contractor shall provide

masks, new in the box, in all sizes produced by the respirator manufacturer (one each). These masks shall be provided for the exclusive use of the Owner's representatives and shall be available at all times.

3. **Approved Respirators:** Contractor will ensure that all respirators used shall be selected from those approved by National Institute of Occupational Safety and Health (NIOSH) for use in atmospheres containing asbestos, solvents, removers, and against other toxic materials which may be used during the project.
4. **Powered Air-Purifying Respirators (PAPR) Usage:** Full containment work activities associated with the abatement of asbestos-containing materials shall be conducted while wearing, at a minimum, a full facepiece, powered air-purifying respirator equipped with HEPA filters during the following tasks or under the following conditions:
 - a. During removal or disturbance of asbestos-containing materials or where the likelihood of disturbance may occur. This determination shall be up to the Owner's consultant.
 - b. During all cleanup and wipe down of area. This determination shall be up to the Owner's consultant.
 - c. During any operation where damaged friable asbestos is present during area preparation.
 - d. At any time that air monitoring levels indicate that asbestos concentrations are greater than 0.25 fibers/cc.
 - e. Any situation where gross contamination has occurred because of a tear or rupture in the containment and air sampling indicates that airborne asbestos levels have exceeded 0.25 fibers/cc.
5. **1/2 Mask Respirator Usage:** For the followings tasks or conditions a 1/2 mask air-purifying respirators equipped with high efficiency filters may be used:
 - a. Provided maximum airborne fiber concentration outside the respirator is at or below 0.1 fibers/cc.
 - b. Pre-construction sealing of openings and penetrations to the work areas with plastic sheeting.
 - c. Decontamination of removable items.
 - d. Loading asbestos-containing drums on truck for transportation and unloading bags at approved landfill.

TABLE 1

Maximum Airborne Fiber Concentration Outside The Respirator	Protection Factor	Minimum Acceptable Respirator
1 fiber/cc**	10	Half mask and dual cartridge air purifying respirator with cartridges approved for asbestos and with high efficiency filters.*
05 fibers/cc	50	Full face piece respirator and with high efficiency filters.*
10 fibers/cc	1000	Powered air purifying respirator (full face piece) and with high efficiency filters.*
100 fibers/cc**	1000	Type "C" supplied air respirators, full facepiece, pressure demand mode.
Over 100 fibers/cc**	>1000	Type "C" supplied air respirators, full facepiece, pressure demand mode, equipped with an auxiliary positive pressure self-contained breathing apparatus.

*Greater respiratory protection is always acceptable regardless of asbestos concentrations.

**Must demonstrate that the fiber levels will not exceed 0.01 fibers per cubic centimeter (f/cc) inside the respirator based on quantitative mask fit testing for each individual using the respirator protection factor formula.

6. **Type "C" Respirator Usage:** When Type "C" respirators are not required according to the OSHA standard (29 CFR 1926.1101 or this specification, whichever is more stringent), provide workers with approved, permanent, personally-issued and marked respirators with replaceable filters. Provide sufficient quantity of filters approved by NIOSH for use in asbestos environments so that workers can change filters as required by manufacturer during the workday. Filters shall not be used any longer than one workday. Respirator filters shall be stored at job site in clean room and shall be totally protected from exposure to asbestos prior to their use.
7. **Air Supply Compressors:** Compressors shall meet the requirements of 29 CFR 1910 Subpart 1 and the following:
 - a. Periodic inspection of the carbon monoxide monitor shall be evidenced.
 - b. Documentation of adequacy of compressed air system/respiratory protection system shall be retained on site. Documentation shall include a list of compatible components with the maximum number and type of respirators that may be used with the system.
 - c. The full facepiece, type "C" supplied-air respirator system shall be fully approved by appropriate regulatory agencies. The compressor shall be specifically for breathing air and have alarms to indicate compressor failure and overheating. Compressor(s) shall have in-line air-purifying sorbent beds and filters to assure breathing air quality (Grade "D" or better for oil lubricated compressors; Grade "H" or better for electric compressors). The air supply system shall have safeguards to allow for sufficient capacity to allow workers to escape if the air system fails. If an oil-lubricated compressor is used, it shall have a high-temperature or carbon-monoxide alarm, or both. If only a high-temperature alarm is used, a carbon-monoxide converter shall be used.
 - d. The compressor intake shall be designed so as to avoid entry of contaminated air into the system either from the compressor exhaust or from other sources of potential contamination. Periodic testing of compressed air shall insure that systems provide air of sufficient quality.
 - e. A pressure-indicating gauge shall be placed at the point of connection (distribution point) where the respirator supply hose (which is a part of the approved facemask/hose system) is attached to the air filtration system or any supply manifold which is located between the mask/hose apparatus and the compressor/filter system. The pressure gauge shall be capable of measuring pressure levels which are consistent with those specified by the respirator operating specifications.
 - f. The correct pressure level shall be verified at each distribution point each time that the system is engaged. The air supply system will be operated only when operating specifications are maintained.

Fit Testing: Air respirators shall be fit-tested utilizing Saccharin Solution Aerosol Protocol, Bitrex™ (Denatonium Benzoate) Solution Aerosol Protocol or isoamyl acetate Protocol with organic filters at the beginning of each project or a minimum of every 12 months as described in Appendix C, 29 CFR 1926.1101. Any of the above three protocols or other similar regulatory protocol may be used.

D. Bilingual Worker protection procedures (Posted in both English and Spanish): Adequate shower facilities shall be provided by the Contractor. An employee leaving the Work area shall follow all decontamination procedures necessary or as described herein.

1. **Posted Procedures:** Provide and post, in the Equipment Room and the Clean Room, the decontamination and work procedures to be followed by workers and authorized visitors as described in these Specifications.
2. **Entering the Work Area:** Each worker and authorized visitor shall, upon entering the job site: put on a respirator and clean protective clothing before entering the Equipment Room or the Work area. Clothing that is appropriate for weather and temperature conditions is worn under the protective clothing.
3. **Personnel Exiting the Work Area:**
 - a. Ensure that personnel do not leave work areas through the equipment decontamination enclosure.
 - b. All workers and authorized visitors shall, each time they leave the Work area; remove gross contamination from clothing before leaving the Work area using a HEPA vacuum; proceed to the Equipment Room and remove all clothing except respirators by carefully rolling down the garment to reduce exposure to dust; clean the outside of the respirator with soap and water while showering; remove the respirator; and thoroughly shampoo and wash themselves.
 - c. Following showering and drying off, each Worker shall proceed directly to the clean change room and dress in clean clothes at the end of each day's Work, or before eating, smoking, or drinking.
 - d. Before reentering the Work area from the Clean Change Room, each worker and authorized visitor shall put on a clean respirator and shall dress in clean protective clothing.
 - e. All workers and authorized visitors shall, at the end of the work day; place disposable clothing in the abatement waste; clean protective gear, including respirators, according to standard procedures; wash hands and face again; proceed to the shower facilities, being certain to wash hair.
 - f. Workers shall not eat, drink, smoke, or chew gum or tobacco while in the Work area.

- g. Workers shall be fully protected with respirators and protective clothing from the time of first disturbance of asbestos-containing materials prior to commencing actual abatement and until final cleanup is completed.
4. **Equipment Removal Procedures:** Clean surfaces of contaminated containers and equipment thoroughly by wet sponging or wiping before moving such items into the equipment decontamination enclosure system washroom or through the shower for final cleaning and removal to uncontaminated areas.
- a. Contaminated work footwear shall be stored in the Equipment Room when not in use in the Work area. Upon completion of asbestos abatement, dispose of footwear as contaminated waste.
 - b. Workers removing waste containers from the equipment decontamination enclosure shall enter the holding area from outside wearing a respirator and dressed in clean disposable coveralls. No worker shall use this system as a means to leave or enter the washroom or the Work area.
5. **Safety Issues:**
- a. During the removal operations the Contractor may be placing his or her workers in a potentially hazardous electrical environment. Care and special consideration should be exercised by the Contractor to avoid electrical shock to his employees. The requirements as set forth in the latest edition of the National Electrical Code, shall be adhered to at all times. Particular emphasis shall be placed on the requirements listed in Article 210—BRANCH CIRCUITS, Article 225—OUTSIDE BRANCH CIRCUITS AND FEEDERS, Article 250—GROUNDING, Article 300—WIRING METHODS, and Article 305—TEMPORARY WIRING, whenever and wherever the existing electrical power service shall be deenergized and temporary electrical power utilized.
 - b. During summer work activities the Work area environment may be very hot and humid. The Contractor shall take precautions to protect his or her workers from the hostile environment as well as the asbestos material. First-aid items such as stretchers, water, and cold packs should be kept adjacent to the Work area exits, thus allowing any personnel requiring emergency treatment egress from the Work area with minimum contamination to the clean environment. No worker shall be allowed to reach through the plastic or air lock door to get water or first aid supplies during break periods inside the Work area. Breaks, lunch, or worker rest periods should be held outside the Work area. All decontamination procedures shall be followed prior to exiting the Work area except in extreme emergencies.
 - c. During cold weather periods the workers shall be provided with adequate protection from the environment to not cause harm to the workers.
 - d. If evacuation of the Work area is required by contaminated personnel, due to an emergency, all work efforts shall stop, and all forces shall be directed at

minimizing the area contamination, cleanup operations, and first-aid procedures. These activities shall be noted in the daily logbook.

- e. During work activities requiring decontamination procedures, the Contractor shall provide a means of communication for the workers inside the Work area without requiring personnel to enter or leave the Work area. This method of communications shall be a two-way radio, localized wire-connected telephone, or similar system. This communication system shall remain intact until the final containment plastic is removed. Then all equipment shall be wiped down, HEPA vacuumed or disposed of as asbestos-contaminated material.

E. Posting of Warning Signs:

Post warning signs at all access points to the work area(s) which follow the "Sample Format Warning Sign" shown below:

Sample Format Warning Sign
Minimum Size - 14" x 20"
Material - Aluminum or Fiberglass
Script:

DANGER
ASBESTOS
MAY CAUSE CANCER
CAUSES DAMAGE TO LUNGS
AUTHORIZED PERSONNEL ONLY
WEAR RESPIRATORY PROTECTION AND
PROTECTIVE CLOTHING IN THIS AREA

Signs shall be at the entry points to the Work area and shall be clearly read to a distance of 25 feet from the entry point.

F. Emergency Precautions and Procedures:

1. Establish emergency and fire exits from the Work Area. Emergency exits shall be equipped with 2 full sets of protective clothing and respirators.
2. Local medical emergency personnel, both ambulance crews and hospital emergency room staff, shall be notified, prior to commencement of abatement operations, as to the possibility of having to handle contaminated or injured Workers and shall be advised on safe decontamination.
3. Contractor shall be prepared to administer first aid to injured personnel after decontamination. Seriously injured personnel shall be treated immediately or evacuated without delay for decontamination. When an injury occurs, the

Contractor shall stop Work and implement fiber reduction techniques (e.g., water spraying) until the injured person has been removed from the Work Area.

4. Before starting actual removal of asbestos material(s), local police and fire departments (LA County required) shall be notified as to the danger of entering the Work Area. The Contractor shall make every effort to help these agencies form plans of action should their personnel need to enter the contaminated area.

1.7 SUPERINTENDENT FOREMAN, CRAFTSMAN:

The Contractor shall have a job superintendent (Competent person) present at all times while work on this Contract is in progress.

The Project Superintendent (Competent person) shall be thoroughly familiar and experienced with asbestos removal and related work and shall be familiar with and shall enforce the use of all safety procedures and equipment. He or she shall be knowledgeable of all EPA, OSHA, and NIOSH requirements and guidelines. He or she shall be trained in the proper use of all personal protection and safety equipment including, but not limited to, air purification and respiratory systems.

In addition to the Superintendent (Competent person), the Contractor shall furnish 1 or more foremen (Competent person when Superintendent is absent) who are familiar and experienced with asbestos removal and its related work, safety procedures, and equipment.

- A. It shall be a requirement of this Contract that the superintendent and/or one or more of the Contractor's foremen be inside the Work area at all times while work is in progress.
- B. It is the intent of these Specifications that all phases of the Work shall be executed by skilled craftsmen experienced or receiving training by experienced personnel in each respective trade.
- C. All superintendents and foremen shall have been trained by attending a five-day AHERA and Cal-OSHA approved Contractor/Supervisor of Asbestos Abatement training course and satisfactorily passing all examinations following the training program to allow and maintain all Federal, State, and local requirements and certifications. Only EPA and Cal-OSHA approved training programs will be accepted.
- D. Workers shall have been trained by attending an AHERA and Cal-OSHA approved Asbestos Worker training course and satisfactorily passing all examinations following the training program to allow and maintain all Federal, State, and local requirements and certifications. Only EPA and Cal-OSHA approved training programs will be accepted.
- E. The Competent person on-site must be able to clearly communicate in a manner so that the Owner's Consultant and Owner can clearly understand.

PART 2 - MATERIAL AND EQUIPMENT

2.1 **MATERIALS:**

- A. **Packaging:** Deliver all materials in the original packages, container, or bundles bearing the name of the manufacturer and the brand name.
- B. **Storage:** Store all materials subject to damage off the ground, away from wet or damp surfaces, and under cover sufficient to prevent damage or contamination. Damaged or deteriorating materials shall not be used and shall be removed from the premises. Material that becomes contaminated with asbestos shall be disposed of in accordance with the applicable regulations.
- C. **Plastic:** (Fire retardant polyethylene) Sheet, of 6-mil thickness or greater as specified in sizes to minimize the frequency of joints.
- D. **Tape:** Capable of sealing joints of adjacent sheets of polyethylene and for attachment of polyethylene sheet to finished or unfinished surfaces of dissimilar materials and capable of adhering under both dry and wet conditions. Use tape with tough backing which does not leave residue on the adhering surface.

E. **PROTECTIVE PACKAGING**

- 1. **Impermeable containers:** Suitable to receive and retain any asbestos-containing materials until disposal at an approved site, labeled in accordance with OSHA Regulation 29 CFR 1910.1025 and DOT 49 CFR 171-177. Containers must be both air and watertight and must be resistant to damage and rupture. Drums must be appropriately labeled.
 - 2. **Bags:** Appropriately labeled 6-mil sealable polyethylene bags as minimum.
 - 3. **Bilingual labels:** (English and Spanish) on containment glove bags, waste packages, contaminated material packages and other containers shall be in accordance with EPA and/or OSHA standards.
- F. **Warning labels and signs:** As required by 29 CFR 1926.1101 and 29 CFR 1910.145.
- G. **Encapsulant use:**
- 1. For bridging encapsulant use:
 - a. Encapsulant to be specified and approved by Owner's representative
 - 2. After removal use clear encapsulant as follows:

- a. Encapsulant to be specified and approved by Owner's representative
3. At steam piping lagging to be encapsulated in place use penetrating encapsulant as follows:
 - a. Encapsulant to be specified and approved by Owner's representative
4. Protective coating at encapsulated steam, pipe lagging:
 - a. NOT APPLICABLE

H. Surfactants:

Surfactants or wetting agent, for amending water will be 50 percent polyoxyethylene ether and 50 percent polyoxyethylene ester, or equivalent, at a concentration of one ounce per 5 gallons of water.

I. Encasement:

1. Encasement material to be specified and approved by Owner's representative
2. Characteristics
 - a. Meets DNA and EPA 95 guidelines for clean air.
 - b. Non-toxic — Non caustic — Non flammable
 - c. Grease and oil retardant
 - d. Mar resistant
 - e. Crack resistant
3. Suitable Product
 - a. Encapsulant to be specified and approved by Owner's representative

J. Lagging adhesive:

1. Meets NFPA 90A Code;

K. Other materials:

Provide all other materials, such as lumber, nails, and hardware, which may be required to construct and dismantle the decontamination area and the barriers that isolate the Work area.

2.2 TOOLS AND EQUIPMENT:

- A. **Provide suitable tools for asbestos removal.**
- B. **Air filtration equipment:** High efficiency particulate air (HEPA) filtration systems shall be equipped with filtration equipment in compliance with ANSI Z9.2-79, local exhaust ventilation or equal. **Each HEPA machine will have current permitting stickers, if applicable, placed on the machine and documentation provided on-site.** No air movement system or air filtering equipment shall discharge unfiltered air outside the Work area. If volatile chemicals are used, use manufacturer's guidelines and provide appropriate filters for solvent vapor or other organic based material use.
- C. **Pressure recorder (manometer):** A continuously recording monitor shall measure and record the difference in air pressure inside the Work area from that outside the Work area. The recording system shall be accurate to the nearest 0.001 inches of water pressure differential and shall be equipped with an alarm which sounds if the difference becomes less than 0.02 inches of water gauge.
- D. **Aggressive sampling equipment:** Contractor shall provide a one Hp electric leaf blower and sufficient number of electric box fans for the final air clearance.

PART 3 - EXECUTION

3.1 PREPARATION:

- A. **Separation of Work areas:**

Separation of work areas from occupied areas as directed in the scope of work:

1. **Reference:** Contractor will use the applicable procedures as outlined in Section 01010 HM or, if none, use those contained within. Where conflict among requirements (e.g., other concurrent work) or with these Specifications exists, the more stringent requirements shall apply.
2. **For areas requiring constructed barrier walls:** Separate parts of the building required to remain in use (as shown in Plans) from parts of the building that will undergo asbestos removal by means of airtight barriers, constructed as follows:
 - a. Build suitable wood or metal framing and apply 3/8-inch minimum thickness sheathing on work side only, unless noted otherwise.
 - b. Cover both sides of partition with double layer of plastic sheet with joints staggered and sealed with tape. Edges of partition at floor, walls, and ceiling shall be caulked airtight.

3. **Electrical Shut-down:** Shut down electric power which serves the Work area. Provide temporary power and lighting and ensure safe installation of temporary power sources and equipment per applicable electrical code requirements.
4. **HVAC Shut-down:** Shut down and isolate heating, cooling, and ventilating air systems to prevent contamination and fiber dispersal to other areas of the structure. Physically blank off, with light gage metal, all supply and return air ductwork which leads to and from an isolated work area when the air-handling unit serves areas other than within the isolated work area.
5. **Seal off openings:** Seal off all openings, including but not limited to windows, corridors, doorways, skylights, ducts, grills, diffusers, and any other penetrations of the Work areas, with plastic sheeting (minimum of 4-mils thick) sealed with tape.

B. Preclean work area:

1. **Moveable Objects:** Clean all moveable objects within the Work area using HEPA vacuum equipment and wet cleaning methods. Remove these objects from the Work area to a designated temporary storage location.

Protection of and accounting for the stored materials is the sole responsibility of the Contractor.

2. **Fixed Objects:** Preclean fixed objects within the proposed work areas, using HEPA vacuum equipment and/or wet cleaning methods as appropriate, and enclose with minimum of 6-mil polyethylene sealed with tape.
3. **Vacuum & Wet Methods:** Preclean the proposed work areas using HEPA vacuum equipment or wet cleaning methods as appropriate. Do not use methods that raise dust, such as dry sweeping or vacuuming with equipment not equipped with HEPA filters.

C. Prepare work area:

1. **References:** Contractor will use the applicable procedures as outlined in Section 01010HM or, if none, use those contained within. Where conflict among requirements (e.g., other concurrent work) or with these Specifications exists, the more stringent requirements shall apply.
2. **Non-Contaminated Lighting:** Remove and clean objects, such as lights and other items not previously sealed off, that may interfere with asbestos removal. Use HEPA vacuum equipment and wet methods during fixture removal to reduce asbestos dispersal. Wrap in plastic and store for reinstallation upon completion of testing procedures.
3. **Protection of Fixed Objects:** Protect all fixtures, grills, lockers, and other non-removable equipment from water. Also, protect painted surfaces and flooring.

4. **Plasticization:** Cover non-impacted floor, wall and/or ceiling surfaces with plastic sheeting sealed with tape. Use a minimum of two layers of 6-mil plastic on floors and two layers of 4-mil plastic on walls and ceilings. Cover floors first so that plastic extends at least 12 inches up on walls, then cover walls with plastic sheeting to the floor level, thus overlapping the floor material by a minimum of 12 inches.
 - a. All criticals (doors, vents, openings, wall penetrations, etc.) will be covered with 2 layers of 6-mil plastic and secured with duct tape to prevent leakage of air.
 - b. The second layer of floor sheeting may be black or dark in color. If floor coverings are scheduled for removal, per Plans and/or Scope of Work, floor plastic is not placed until after floor coverings are removed, which occurs during Asbestos Removal activities, paragraph 3.2.
 - c. All joints in the plastic sheeting shall have a minimum of 12 inches of overlap and shall be securely sealed with tape to prevent leakage of air and water.
5. **Plasticization of carpeted areas:** Where carpet will remain in-place and must be protected during abatement procedures, the following applies for preparation of said surface.
 - a. All carpet remaining in place during abatement activities will be covered with 2 layers of 10-mil reinforced plastic and secured with duct tape to prevent moisture intrusion or asbestos contamination.
 - b. Each layer of floor sheeting shall be installed separately and seams between the top and bottom layers must be staggered by approximately three (3) feet.
 - c. Seams on the same layer must have at a minimum 18 inches overlap and be held in place by the use of spray glue in the overlap area and duct tape at both plastic termination edges.
 - d. Both top and bottom layers of plastic must extend to a distance of one (1) foot vertically on all walls and vertical surfaces to be covered. The plastic must be folded, not cut, at wall or corner junctures as it extends vertically. The folds shall be held in place by the use of spray glue and duct tape.
6. **Emergency Exits:** Maintain emergency and fire exits from the Work areas or establish alternative exits satisfactory to fire officials.
7. **Establish a reduced pressure in the Work area:**
 - a. **Determine the Ventilation Requirements:**
 - (1) **General:** Provide fully operational negative pressure systems supplying a minimum of one air change every 15 minutes. Determine the volume in cubic feet of the work area by multiplying floor area by ceiling height. Determine total

ventilation requirement in cubic feet per minute (cfm) for the work area by dividing this volume by the air change rate.

Ventilation Required (CFM) = Volume of work area (cu. ft.)/15 min.

(2) **Number of Units:** Determine number of units needed to achieve 15 minute change rate by dividing the ventilation requirement (CFM) above by capacity of exhaust unit(s) used. Capacity of a unit for purposes of this section is the capacity in cubic feet per minute with fully loaded filters (pressure differential which causes loaded filter warning light to come on) in the machines labeled operating characteristics.

Number of Units Needed =
$$\frac{\text{Ventilation Requirement (CFM)}}{\text{Capacity of Unit with Loaded Filters (CFM)}}$$

Add one additional working unit as a backup in case of equipment failure or machine shutdown for filter changing.

(3) **Location of Exhaust Units:** Locate exhaust unit(s) so that makeup air enters work area primarily through decontamination facilities and traverses work area as much as possible. This may be accomplished by positioning the exhaust unit(s) at a maximum distance from the worker access opening or other makeup air sources.

Place end of unit, or its exhaust duct, through an opening in the plastic barrier or wall covering. The plastic around the unit or duct shall then be sealed with tape.

(4) **Venting or Exhaust:** Unless authorized in writing by the Local Air Quality Management District, vent negative air exhaust to outside of building. Exhaust outlet shall be a minimum of ten feet above ground level.

(5) **Supplemental makeup air inlets:** Provide where required for proper air flow through the work space in location approved by the Project Coordinator by making openings in the plastic sheeting that allow air from outside the building into the work area.

(6) **Makeup Air Inlets:** Locate auxiliary makeup air inlets as far as possible from the exhaust unit(s) (e.g., on an opposite wall), off the floor, and away from barriers that separate the work area from occupied clean areas. Cover with flaps to reseal automatically if the negative pressure system should shut down for any reason. Spray flap and around opening with spray adhesive so that flap seals if it closes.

b. **Use of the Negative Pressure System:**

(1) **General:** Each unit shall be serviced by a dedicated minimum 115V-20A circuit with overload device tied into an existing building electrical panel that

has sufficient spare capacity to accommodate the load of all negative pressure units connected. Dedication of an existing circuit may be accomplished by shutting down existing loads on the circuit.

(2) **Testing the System:** Test negative pressure system before any asbestos-containing material is wetted or removed. After the work area has been prepared, the decontamination facility set up, and the exhaust unit(s) installed, start the unit(s) (one at a time). Demonstrate operation and testing of negative pressure system to Project Coordinator.

(3) **System Evaluation:** A demonstration of the negative pressure system to the Project Coordinator will include, but not be limited to, the following:

- aa. Plastic barriers and sheeting move slightly in toward work area.
- bb. Curtain of decontamination units move slightly in toward work area.
- cc. There is a noticeable movement of air through the decontamination unit. Use smoke tube to demonstrate air movement from Clean Room to Shower Room, from Shower Room to Equipment Room, and from Equipment Room to Work Area.
- dd. Use smoke tubes to determine a positive motion of air across all area in which work is to be performed.
- ee. Use a differential pressure meter or manometer to demonstrate a pressure difference of at least 0.02 inches of water across every barrier separation the Work Area from the balance of the building or outside.
- ff. Modify the negative pressure system as necessary to successfully demonstrate the above.

D. Decontamination Facilities:

1. **General:** Contractor will use the applicable procedures as outlined in Section 01010 HM or, if none, use those contained within. Where conflict among requirements (e.g. other concurrent work) or with these Specifications exists, the more stringent requirements shall apply.
2. **Construction Review:** Build suitable decontamination facilities described herein, as previously submitted for review, before start of construction.
3. **Air Locks and Access Doorways:** In all cases access between contaminated and uncontaminated rooms or areas shall be through an air lock previously defined. Passage between any two rooms within the decontamination facility shall be through an access doorway.

4. **3-Stage Decontamination Enclosure:** Construct a worker decontamination enclosure system contiguous to the Work area consisting of three totally enclosed chambers to conform to standard Plans bound herein and as follows.
 - a. A shower room with two access doorways, one to the equipment room and one to the clean room. Plastic, if used, on shower room and adjoining equipment and clean rooms shall be opaque.
 - b. The shower room shall contain at least one shower with hot and cold or warm water. Careful attention shall be paid to the shower enclosure to ensure against leaking of any kind.
 - c. Shower water shall be captured and filtered. The filtration system shall filter particulates to 3-microns. Filtered water may then be disposed of in the local sanitary/sewage system.
5. **Remote Decontamination Enclosures:** For remote decontamination systems (non-contiguous to the Work area) construction of the shower will conform to Section 02071, Part 3.1,D4, above with the following modifications:
 - a. The enclosure need not be attached to the Work area, but clean room and equipment rooms must be clearly marked at their respective entrances.
 - b. A HEPA filtration machine must be attached to the equipment room and must be operational while the decontamination unit is in use.
6. **Equipment Decontamination Enclosures:** For an equipment decontamination enclosure facility, construct two totally enclosed chambers as follows:
 - a. A washroom, constituting an air lock, with an access doorway to a designated area of the Work area and an access doorway to the holding area.
 - b. A holding area, constituting an air lock, with an access doorway to the washroom and an access doorway to an uncontaminated area.
7. **Entry/Exit systems:** All decontamination systems or entry/exit system air locks will be constructed using Z-flap design incorporating 2 layers of 6-mil plastic with the flaps extending the full height and width of the entrance space.

E. Maintenance of enclosure system:

1. Ensure that barriers and plastic linings are effectively sealed and taped. Repair damaged barriers and remedy defects immediately upon discovery.
2. Visually inspect enclosures at the beginning of each work period.
3. Use smoke methods to test effectiveness of barriers when directed by Owner or representative of Owner.

F. Asbestos removal work shall not commence until:

1. Arrangements have been made for disposal of waste at an acceptable site.
2. Work areas and decontamination facility and parts of the building required to remain in use are effectively segregated.
3. Tools, equipment, and material waste receptors are on hand.
4. Arrangements have been made for building security.
5. All other preparatory steps have been taken and applicable notices posted and permits obtained.
6. Removal work will not begin until the Owner's consultant authorizes work to commence, in writing.

3.2 ASBESTOS REMOVAL:

A. **General:** Prepare the site per paragraph 3.1.

B. **References:** Contractor will use the applicable procedures as outlined in Section 01010 HM or, if none, use those contained within. Where conflict among requirements (e.g., other concurrent work) or with these Specifications exists, the more stringent requirements shall apply.

C. Negative pressure system during abatement Operations:

1. Start exhaust units before beginning work (before any asbestos-containing material is disturbed). After abatement work has begun, run units continuously to maintain a constant negative pressure until decontamination of the work area is complete. Do not turn off units at the end of the work shift or when abatement operations temporarily stop.
2. Start abatement work at a location farthest from the exhaust units and proceed toward them. If an electric power failure occurs, immediately stop all abatement work and do not resume until power is restored and exhaust units are in operation again.
3. At completion of abatement work, allow exhaust units to run to remove airborne dust that may have been generated during abatement work and cleanup and to purge the work area with clean makeup air. The units may be required to run for a longer time after decontamination if dry or only partially wetted asbestos material was encountered during any abatement work.

D. Contaminated Removable Objects:

1. For re-installable fixtures: When scheduled to be removed per Plans and/or Section 01010 HM, Scope of Work, remove and clean ceiling mounted objects, such as lights and other items not previously sealed off, that may interfere with asbestos removal. Use hand-held water spraying or HEPA vacuum equipment during fixture removal to reduce fiber dispersal. Decontaminate the objects, wrap in plastic and store for reinstallation upon completion of testing procedures.
2. When scheduled for removal per Plans and/or Section 01010HM, Scope of Work, remove carpeting, carpet backing, window curtains, etc., in sections of appropriate size for packaging and dispose of as contaminated waste.

E. Contaminated Non-Removable Objects:

1. If a ceiling tile/grid system remains within the Work area: Remove ceiling tiles and grid system within the Work area and dispose of as contaminated waste. If approved by the Owner's consultant or the Engineer/Architect, the grid system may be removed, decontaminated, sealed in plastic, and stored for reinstallation.

F. Amended Water Usage:

1. Spray asbestos material with amended water, using spray equipment capable of providing a "mist" application to reduce the release of fibers. Saturate the material sufficiently to wet it to the substrate without causing excess dripping. Spray the asbestos material repeatedly during work process to maintain wet condition and to minimize asbestos fiber dispersion.
2. Protect all fixtures, grills, lockers, and other non-removable equipment from amended water. Surfactants can cause oxidation. Also, protect painted surfaces and flooring.

G. Gross Removal:

1. Remove the saturated asbestos material in manageable sections. Materials shall not be allowed to dry out. Material drop shall not exceed 15 feet. For heights up to 50 feet provide inclined chutes or scaffolding to intercept drop. For heights exceeding 50 feet provide enclosed dustproof chutes.

H. Containerizing Waste:

1. **Daily containerizing:** During each day's work, the bulk asbestos material shall be bagged in clear 6-mil thick bags, before it dries. No asbestos material shall be allowed to lie on the floor overnight.
2. **Types of containers:** Place the material in either sealed containers (6-mil clear double bags or hard sealable containers).
3. **Vec-loaders:** The use of vacuum equipment may be employed to remove gross asbestos material from the Work area. Checking of the entire system, when in use, is required every 1/2 hour. When use of such equipment is practical, a safety

program shall be established to control release of asbestos fibers from routine operations and/or accidents.

4. **Labels:** Place caution labels on containers in accordance with OSHA Regulation 29 CFR 1926.1101 and DOT 49 CFR 171-177 if not already preprinted on containers.
5. **Cleaning:** Clean external surfaces of containers thoroughly by wet sponging in the designated area. Move containers to washroom, wet clean each container thoroughly, and move to holding area pending removal to uncontaminated areas. If the holding area is outside containment it will be a locked and secured area with appropriate warning signage at entrance. If holding area is within containment ensure that area is secure and appropriate signage is maintained.
6. **Safety:** Ensure that containers are removed from the holding area by workers who have entered from uncontaminated areas dressed in clean coveralls.
 - I. **Post Removal Cleaning:** After completion of stripping work, all surfaces from which asbestos has been removed shall be wet brushed and sponged or cleaned by an equivalent method to remove all visible material. During this work, the surfaces being cleaned shall be kept wet. At the Contractor's option, the layer of plastic exposed to the asbestos may be removed, leaving intact the final layer of plastic.
 - J. **Safety:** Ensure that workers do not enter from uncontaminated areas into the washroom or the Work area; ensure that contaminated workers do not exit the Work area through the equipment decontamination enclosure system.

3.3 CLEANUP AND AIR MONITORING:

Employ the following procedures in cleaning up the Work area:

- A. **Pre-Cleaning:** Wet clean all surfaces and remove all visible accumulation of asbestos containing material from the Work area including the top layer of plastic if not previously removed. Prepare the Work area for the initial pre-TEM air test (if so specified) which will be performed after a visual inspection.
- B. **Pre-TEM Clearance:** Once the Work area is clean of visible accumulations of asbestos material, the Owner's consultant may perform a pre-TEM clearance test if so outlined in the Scope of Work (Section 01010 HM). Such testing shall be within the limits of 0.02 f/cc using the NIOSH method 7400 (PCM). The Contractor will continue the wet cleaning process until the designated fiber level is achieved. It is the Owner's intent to pay for one Pre-TEM Series of air tests per area.
- C. **Encapsulation:** After successful completion of the Pre-TEM air test, if so designated, and visual inspection has been completed finding that no visible debris has been found and/or before the last layer of the plastic sheeting is removed, apply one coat of an asbestos encapsulant sealer following manufacturer's recommendations for

application. The encapsulant sealer shall be compatible with any material to be reapplied to the surface.

- D. **Final Plastic Layer Removal:** While still under respirator protection, or other approved respirator usage, remove the final layer of plastic sheeting from the walls and floors after the sealant has dried. The seals on the windows, vents, doors, etc., shall remain, and HEPA filtration equipment and decontamination facilities shall also remain in service. Wet clean or HEPA vacuum work area underneath the plastic and leave the area visibly clean.
- E. **Settling Period:** Enter a 24-hour settling period or other period approved by the Consultant. Dust, both visible and invisible, shall be allowed to settle within the Work area without being disturbed during this period. The minimum settling period shall be 4 hours.
- F. **Final Cleaning:** After the settling period, wet clean or HEPA vacuum all surfaces within the Work area. Once this cleaning operation is complete, visually inspect the Work area to ensure that it is free of contamination.
- G. **Final Visual Inspection:** Owner's consultant will conduct a thorough visual inspection prior to setting air pumps. Upon successful completion of the visual inspection and Owner's consultant determination that all surfaces in the Work area are dry and free of contamination, the final air clearance test will be conducted. A certificate of Visual Inspection shall be issued by the Owner's Representative and shall be signed by both the contractor and the Owner's Representative. The Owner's Representative shall use the attached Form A.
- H. **Final Air Clearance:** For areas where material removal amounts of greater than 160 square feet or 260 lineal feet are performed, air clearance shall be performed per Section 2080. For areas where material removal amounts of \leq 160 square feet or 260 lineal feet are performed, air clearance will consist of five (5) TEM samples within the work area . The NIOSH method 7400 equivalent analysis will be used, as applicable, with a maximum fiber level of 0.01 f/cc being achieved prior to acceptance. In addition to the NIOSH method 7400 equivalent analysis, one of the five TEM sample cassettes shall be analyzed via TEM. TEM sample analysis must also pass as per requirements of Section 2080.
 - 1. Aggressive sampling techniques will be used to reentrain any fibers on the walls or floors in each area to be tested. The Contractor shall provide 1 electric, 1 Hp "Leaf Blower" and 1 electric 20 inch box fan per 10,000 c.f. of air volume in the Work area for use by the Owner's consultant during the aggressive sampling. The Contractor shall also provide the necessary electrical supply for these units. All contractor supplied equipment shall be in good working order. After sampling, the leaf blower and fans shall be cleaned by the Contractor and handled as if contaminated with asbestos.
- I. **Clearance Failure Contingency:** Contractor shall continue cleaning the Work site until the accepted fiber level is achieved.

1. Additional TEM or equivalent testing required after the one initial TEM clearance test set will be the responsibility of the Contractor. Additional consultant's time required for additional visual inspection, clearance sampling, and associated delivery of samples shall be at the Contractor's expense. In the event of additional testing and associated consultants time, the Contractor may reimburse Owner, or reduce the Contract amount by change order. It is the Owner's intent to have, at no charge to the Contractor, one initial TEM test performed in each area. A test set may consist of one sample or a series of samples performed at the same time.

J. **Dismantling the negative air system:** When a final inspection and the results of final wipe tests indicate that the area has been decontaminated, exhaust units may be removed from the work area. Before removal from the work area, remove and properly dispose of pre-filter, and seal intake to the machine with 6-mil polyethylene to prevent environmental contamination from the filters.

3.4 DISPOSAL OF ASBESTOS-CONTAINING MATERIALS AND ASBESTOS-CONTAMINATED WASTE:

A. **Removal from Work area:**

1. **General:** As the Work progresses, and to prevent exceeding available storage capacity on site, remove sealed and labeled containers of asbestos waste and dispose of such containers at an authorized disposal site in accordance with the requirements of disposal authority.
2. **Double bagging or containerization:** Bags of asbestos materials removed from the Work area via the equipment decontamination enclosure shall be placed in a mechanically fastened drum or a second clear 6-mil polyethylene bag which is then transported in an enclosed vehicle. Appropriate labels shall be affixed to the outside of the container/bag.
3. **Cleaning:** The drums or bags shall be cleaned in the equipment decontamination enclosure as previously described and placed in the transport vehicle. A fully enclosed plastic tunnel shall be provided when loading material contained in double plastic bags. The tunnel shall connect the equipment decontamination enclosure and the transport vehicle.
4. **Respiratory Protection:** Respiratory protection will be required in loading asbestos materials.
5. **On-site storage of waste:** On-site storage of waste will not be permitted for more than 5 working days after completion of last phase or nor more than 30 days per phase, whichever is less.
6. **Wastewater:** All wastewater shall be filtered through a five-micron filter prior to final disposal in a sanitary sewer. In the absence of a sanitary sewer system, the wastewater shall be drummed and transported to a landfill per the previous requirements for disposal.

7. **Other Waste:** Asbestos waste other than contaminated water shall be drummed or bagged and transported as previously described.

B. Transporting waste:

1. **Permits:** Local, state, and federal permits shall be obtained for the transportation of asbestos materials, and all procedures shall be followed as they pertain to transportation of asbestos materials.
2. **Notification of Transport:** Notify the Owner's consultant **48 hours in advance** of the time when contaminated materials are to be removed from the site.
3. **Transport Vehicle:** Transport vehicle shall be lined with 6-mil plastic prior to loading asbestos waste. The vehicle shall be used for the sole purpose of transporting asbestos waste. No other contract materials or supplies shall be stored or transported in the vehicle unless it has been decontaminated.
4. **Documentation:** Activities involving removal of waste, loading onto vehicle, and disposal at the landfill, shall be documented in daily reports. A second document, landfill manifest, shall be completed when material is disposed at landfill. Both documents shall indicate date and volume of material handled. A bill of lading shall be submitted as per DOT regulations.
 - a. It shall be the responsibility of the Contractor to notify the Owner or Owner's Consultant and coordinated having the Hazardous Waste Manifest or Non-Hazardous Waste Manifest properly signed by Owner or Owner's representative. Contractor shall give the Owner or Owner's Representative or Consultant 48 hours notice prior to request for signature and waste pick-up.
 - b. Contractor SHALL NOT sign any Hazardous Waste Manifest for the Owner.
5. **Respiratory Protection:** Respiratory protection will be required in unloading asbestos materials.
6. **Safety:** Contractor shall be responsible for safe handling and transportation of hazardous waste generated by this Contract to the designated Hazardous Waste Site.

- C. Hazardous Materials Spills:** Contractor shall hold the Owner and Owner's consultant harmless for claims, damages, losses, and expenses, including attorney's fees arising out of or resulting from, asbestos spills on the site or spills enroute to the disposal site.

3.5 RE-ESTABLISHMENT OF OBJECTS AND SYSTEMS:

- A. **Relocation of Moveable Objects:** Relocate objects moved to temporary locations in the course of the Work to their proper positions. Only clean objects are to be moved into the areas.
- B. **Remounting Objects:** Remount objects removed in the course of the Work in their former positions. Repair any moveable or fixed objects damaged during the course of the Work.
- C. **Systems re-establishment:** Reestablish HVAC, mechanical, and electrical systems in proper working order.
 - 1. Install new HVAC filters and dispose of used filters as contaminated waste.
- D. **Building repair/repaint:** Repair any damage to building, or building systems (electrical, mechanical, plumbing, etc.) which was not noted in writing prior to work area preparation.
 - 1. Repaint any areas damaged during the course of the Work unless this work is scheduled to be repaired by others. See paragraph 1.2.C, Related Work Specified Elsewhere, of this section. Quality of paint and workmanship shall be consistent with that found within the building prior to this Project, unless otherwise stated.

END OF SECTION

SECTION 02074 HM

ASBESTOS REMOVAL ROOFING MATERIAL

PART 1 - GENERAL

1.1 SCOPE:

- A. This Specification covers the removal and disposal of asbestos-containing roofing materials in the locations identified in Section 01010 HM, Summary of the Work.

1.2 DESCRIPTION OF WORK:

- A. **General:** The Work specified herein shall be the removal of asbestos-containing and/or contaminated material by persons knowledgeable, qualified, and trained in the removal, treatment, handling, and disposal of asbestos-containing and/or contaminated material, the subsequent cleaning of the affected environment, and who comply with all Federal, State, and local laws and regulations which mandate work practices, and who are capable of performing the Work in these Specifications.
- B. **Contract Fulfillment:** The Contractor shall supply all labor, materials, equipment, services, insurance, and incidentals which are necessary or required to perform the Work in accordance with all applicable governmental regulations and these Specifications.
- C. **Related Work Specified Elsewhere:**

Section 02071 HM, Asbestos Removal.

1.3 TERMINOLOGY:

The terms used in these Specifications are defined in Section 02071 HM.

1.4 APPLICABLE DOCUMENTS:

See Section 02071 HM for Applicable Documents.

1.5 SUBMITTALS AND NOTICES:

Section 02071 HM, Part 1.5, Submittals and Notices, shall be modified in the following particulars only.

- A. The use of RB (rotating blade) roof cutters on roofing projects involving more than 5,580 square feet require NESHAP notification.

1.6 PERSONAL PROTECTION AND SAFETY:

A. **Respiratory protection requirements:**

1. Respiratory protection for removal of asbestos-containing and/or contaminated roofing materials; **1/2 face negative pressure** are required as a minimum.
2. If powered air-purified respirators (PAPR) are required, the respiratory requirements as set forth in Section 02071HM shall govern.
3. Provide authorized visitors with suitable respirators whenever they are required to enter the Work area.
4. If any roofing materials are deemed to be friable to such an extent as the tar matrix loses its binding properties by crumbling using thumb and forefinger pressure, then the following apply:
 - a. While pre-cleaning the Work area, prepping the Work area, loading the asbestos material in the transport vehicle and unloading the transport vehicle at the landfill all activities must be performed while wearing a **1/2 face negative pressure respirator**.
 - b. The friability of the materials shall be at the sole discretion of the Owner's consultant, either during the bid walk or prior to abatement.

B. **Posting of Procedures:** Provide and post, at the Work area, the decontamination and work procedures to be followed by workers and authorized visitors as described in these Specifications.

C. **Worker protection procedures:**

1. The Contractor shall provide adequate shower facilities. An employee leaving the Work area shall follow all decontamination procedures necessary or as described herein.
2. All workers and authorized visitors shall, don 2 sets of protective suits prior to entering the work area.
3. All workers and authorized visitors shall, each time they leave the Work area; remove gross contamination from protective clothing, HEPA vacuum clothing, and remove the outer protective suit and place within a waste bag located within the work area. All workers and authorized visitors shall then don a second disposable suit over the first, before leaving the Work area. Each person will then proceed immediately to the shower room and remove the disposable suits and place in a waste bag. After wet wiping all exposed body and equipment surfaces, workers and/or visitors may then proceed through the exit to the uncontaminated area.

4. Workers loading waste containers, which are not directly placed in the waste bin or enclosure, from the Work area, shall wear a respirator and be dressed in clean disposable coveralls.

D. Equipment removal procedures:

1. Clean surfaces of contaminated containers and equipment thoroughly by wet sponging or wiping before moving such items from the Work area and to uncontaminated areas.
2. If gross material cannot be removed from the working end of the equipment (area coming in direct contact with asbestos-containing material), it shall be wrapped in a 6-mil plastic bag, or other suitable 6-mil plastic medium, and sealed with tape prior to leaving the Work area.

1.7 SUPERINTENDENT FOREMAN CRAFTSMAN:

The Contractor shall have a job superintendent (and/or Competent person) present at all times while work on this Contract is in progress.

The Project Superintendent (and/or Competent person) shall be thoroughly familiar and experienced with asbestos removal and related work and shall be familiar with and shall enforce the use of all safety procedures and equipment. He or she shall be knowledgeable of all EPA, OSHA, and NIOSH requirements and guidelines.

In addition to the Superintendent (an/or Competent person), the Contractor shall furnish one or more foremen who are familiar and experienced with asbestos removal and its related work, safety procedures, and equipment. If the Superintendent is not present then the foremen shall be a Competent person.

- A. It shall be a requirement of this Contract that the superintendent and/or one or more of the Contractor's foremen be inside the Work area at all times while work is in progress.
- B. It is the intent of these Specifications that all phases of the Work shall be executed by skilled craftsmen experienced or receiving training by on-site experienced personnel in each respective trade.
- C. The Competent person on-site must be able to clearly communicate in a manner so that the Owner's Consultant and Owner can clearly understand.

PART 2 - MATERIAL AND EQUIPMENT

2.1 MATERIALS:

See Section 02071 HM, Part 2.1 for Materials.

2.2 TOOLS AND EQUIPMENT:

Provide suitable tools for the work at hand.

PART 3 - EXECUTION

3.1 PREPARATION:

A. Separation of work areas from occupied areas:

1. Separate parts of the building required to remain in use from parts of the building that will undergo asbestos removal by means of barriers, constructed as follows:
 - a. Isolate the area in which removal will take place by placing barrier tape at least 25 feet from the work. If applicable, lock from external entry all but one entrance to the Work area.
 - b. Place asbestos warning signs at the barrier and at all open entrances to Work area. Signs must be placed conspicuously and must be easily read. Signs must conform to legal size and wording.
2. Shut down electric power. Provide temporary power and lighting and ensure safe installation of temporary power sources (if required) and equipment per applicable electrical code requirements.
3. Shut down and isolate heating, ventilating, and air cooling (HVAC) systems to prevent contamination and fiber dispersal to other areas of the structure. Isolate all supply intake ducting from Work area by installing 2 layers of 6-mil polyethylene over the intake using 6 inches of duct tape to affix polyethylene to intake housing.

B. Pre-clean work area:

1. Where ACM roofing material is in poor friable condition, clean all moveable objects within the Work area using HEPA vacuum equipment and/or wet cleaning methods as appropriate. In all cases, remove removable objects from the Work area to a designated temporary storage location. Protection of and accounting for the stored materials is the sole responsibility of the Contractor.
2. Where ACM material is in poor friable condition, pre-clean fixed objects within the proposed work areas, using HEPA vacuum equipment and/or wet cleaning

methods as appropriate and, in all cases, cover with minimum of 6-mil polyethylene.

C. Prepare work area:

1. Erect asbestos hazard tape barriers and post the work area to restrict access by unauthorized persons within 25 feet of this area.
2. Place a single layer of 6-mil poly on the ground surface to extend 10 feet beyond the materials extent.
3. Maintain emergency and fire exits from the Work areas, or establish alternative exits satisfactory to fire officials.
4. Establish 'Do Not Enter' caution tape barriers extending 10 feet beyond and surrounding the decontamination facility.
5. Roof level heating and ventilation air intake sources shall be isolated by polyethylene wrapping and the ventilation system shut down, or if systems cannot be shut down, devise a sealed system allowing intake air to be derived at a minimum of 15 feet beyond the work area.

D. Decontamination enclosure systems:

1. The decontamination enclosure facility will be constructed of two totally enclosed chambers as follows:
 - a. An equipment room, constituting an air lock, with an access doorway to a designated area of the Work area and an access doorway to the shower area.
 - b. A washroom, constituting an air lock, with an access doorway to the equipment room and an access doorway to an uncontaminated area.
 - c. All floors of the decontamination chamber will be covered with 2 layers of 6-mil plastic. Flooring plastic will extend up 12-inches along the decontamination walls. Flooring will be seamless in its application.
2. All decontamination systems or entry/exit system air locks will be constructed using Z-flap design, incorporating 2 layers of 6-mil plastic with the flaps extending the full height and width of the entrance space.
3. Ensure that a water source within the shower room is available for wet wiping of all exposed extremities and respirator prior to exiting the decontamination facility. All protective gear will be removed and be disposed of in the equipment room prior to entering the shower room.

E. Maintenance of Decontamination enclosure system and work area barrier:

1. Ensure that barriers are maintained and intact at all times. Repair damaged barriers and remedy defects immediately upon discovery.
2. Visually inspect enclosures and barriers at the beginning of each work period.

F. Asbestos removal work shall not commence until:

1. Arrangements have been made for disposal of waste at an acceptable site.
2. Work areas and decontamination systems and parts of the building required to remain in use are effectively segregated.
3. Tools, equipment, and material waste receptors are on hand.
4. Arrangements have been made for building security.
5. All other preparatory steps have been taken and applicable notices posted and permits obtained.
6. Removal work will not begin until the Owner/s representative authorizes work to commence, in writing.

3.2 ASBESTOS REMOVAL- ROOFING MATERIAL:

A. **General:** The Contractor shall remove all layers of roofing felts, tars, and other materials down to the roof structure or that specified in Section 01010 HM, and any loose debris shall be HEPA vacuumed.

B. Removal Methods:

1. Roofing material shall be removed in an intact state to the extent feasible.
2. Wet methods shall be used where feasible.
3. Cutting machines shall be continuously misted during use. All engine-powered rotating blade (RB) roof cutters with one or more rotating cutting blades (the edges of which are blunt as opposed to sharp or tapered edges) shall be equipped with a blade guard that completely encloses the blade and extends down close to the roof surface and a device for spraying a fine mist of water inside the blade guard in operation during the cutting of the roof.
4. The use of equipment with blades having sharp or tapered edges used for "slicing" rather than "cutting", or other methods that do not sand, grind, cut, or abrade the roofing material do not require NESHAP notification regardless of the size of the roof being removed.

C. Transfer of Waste to Bin:

1. Unwrapped or unbagged roofing material shall be immediately lowered to the ground directly into a disposal bin via polyethylene covered, dust-tight chute, crane or hoist, or placed in an impermeable clear 6-mil waste bag or wrapped in 6-mil polyethylene sheeting and lowered to the ground no later than the end of the work shift.
2. If possible, bagged roofing material shall be lowered to the ground directly into a disposal bin. If material must first be lowered to the ground, a 10 foot by 10 foot layer of 6-mil plastic will be set directly below the lowered material. The material will then be either carried or hauled to the disposal bin without touching the ground.
3. If a dust tight chute is used, 6-mil polyethylene will be placed from the base of the disposal bin to a distance of 8 feet beyond the perimeter of said bin. A dust cover of 6-mil polyethylene will be attached from the chute mouth to fully extend over the edges of the disposal bin at any time during its use in order to maintain a 'closed' system between the dust chute and the container bin.
4. Contractor shall make every effort to ensure that no over-spill occurs while loading the container bin through the use of a dust-tight chute. If over-spill occurs contractor shall immediately bag and clean the debris from the polyed area.
5. Unwrapped material shall not be lowered to the ground unless contained within a dust tight apparatus and into a closed receptacle.
6. Dry sweeping or brushing during removal or clean-up is strictly prohibited. Contractor shall use a HEPA vacuum in lieu of sweeping.

3.3 CLEANUP AND AIR MONITORING:

A. Air Monitoring:

1. If, during removal, visible dust is present, the Contractor shall modify his or her work practices to reduce emissions and provide workers with powered air-purifying respirator protection.

B. Clean-Up:

1. Wet clean all surfaces and remove all visible accumulation of asbestos containing material from the Work area.
2. Waste within the disposal bin must be covered at all times. At the end of the shift if waste remains on site. Waste must be within a hard-sided container and covered with 2 layers of 6-mil plastic and securely fastened to the container. During temporary storage, barrier tape must be placed around the perimeter of the bin.

3.4 DISPOSAL OF ASBESTOS-CONTAINING MATERIALS AND ASBESTOS-CONTAMINATED WASTE:

Section 02071 HM, Part 3.4, Asbestos-Containing Materials and Asbestos-Contaminated Waste, shall be modified in the following particulars only.

A. Asbestos Materials:

1. All materials shall be disposed of as non-hazardous asbestos containing materials.

3.5 REESTABLISHMENT OF OBJECTS AND SYSTEMS:

See Section 02071 HM, Part 3.5 for Reestablishment of Objects and Systems.

END OF SECTION

SECTION 02074A HM
ASBESTOS REMOVAL
ROOFING PENETRATION AND SEAM SEALANT MATERIAL

PART 1 - GENERAL

1.1 SCOPE:

- A. This Specification covers the removal and disposal of asbestos-containing roofing penetration and seam sealant materials in the locations identified in Section 01010 HM, Summary of the Work.

1.2 DESCRIPTION OF WORK:

- A. **General:** The Work specified herein shall be the removal of asbestos-containing and/or contaminated material by persons knowledgeable, qualified, and trained in the removal, treatment, handling, and disposal of asbestos-containing and/or contaminated material, the subsequent cleaning of the affected environment, and who comply with all Federal, State, and local laws and regulations which mandate work practices, and who are capable of performing the Work in these Specifications.

- B. **Contract Fulfillment:** The Contractor shall supply all labor, materials, equipment, services, insurance, and incidentals which are necessary or required to perform the Work in accordance with all applicable governmental regulations and these Specifications.

C. **Related Work Specified Elsewhere:**

Please refer to Section 02071 HM, Asbestos Removal and Section 01010 HM, Scope of Work Section.

1.3 TERMINOLOGY:

The terms used in these Specifications are defined in Section 02071 HM, part 1.3.

1.4 APPLICABLE DOCUMENTS:

See Section 02071 HM, Part 1.4, for Applicable Documents.

1.5 **SUBMITTALS AND NOTICES:**

Section 02071 HM, Part 1.5, Submittals and Notices, shall be modified in the following particulars only.

- A. The use of RB roof cutters on roofing projects involving more than 5,580 square feet require NESHAP notification.

1.6 **PERSONAL PROTECTION AND SAFETY:**

A. **Respiratory protection requirements:**

1. Respiratory protection for removal of asbestos-containing and/or contaminated roofing materials; **1/2 face negative pressure** are required as a minimum.
2. If powered air-purified respirators (PAPR) respirators are required, the respiratory requirements as set forth in Section 02071HM shall govern.
3. Provide authorized visitors with suitable respirators whenever they are required to enter the Work area.
4. If any roofing materials are deemed to be friable to such an extent as the tar matrix loses its binding properties by crumbling using thumb and forefinger pressure, then the following apply:
 - a. While pre-cleaning the Work area, prepping the Work area, loading the asbestos material in the transport vehicle and unloading the transport vehicle at the landfill all activities must be performed while wearing a 1/2 face negative pressure respirator.
 - b. The friability of the materials shall be at the sole discretion of the Owner's consultant, either during the bid walk or prior to abatement.

- B. **Posting of Procedures:** Provide and post, at the Work area, the decontamination and work procedures to be followed by workers and authorized visitors as described in these Specifications.

C. **Worker protection procedures:**

1. The Contractor shall provide adequate shower facilities. An employee leaving the Work area shall follow all decontamination procedures necessary or as described herein.
2. All workers and authorized visitors shall, don 2 sets of protective suits prior to entering the work area.

3. All workers and authorized visitors shall, each time they leave the Work area; remove gross contamination from protective clothing, HEPA vacuum clothing, and remove the outer protective suit and place within a waste bag located within the work area. All workers and authorized visitors shall then don a second disposable suit over the first, before leaving the Work area. Each person will then proceed immediately to the shower room and remove the disposable suits and place in a waste bag. After wet wiping all exposed body and equipment surfaces, workers and/or visitors may then proceed through the exit to the uncontaminated area.
4. Workers loading waste containers from the Work area, which are not directly placed in the waste bin or enclosure, shall wear a respirator and be dressed in clean disposable coveralls.

D. Equipment removal procedures:

1. Clean surfaces of contaminated containers and equipment thoroughly by wet sponging or wiping before moving such items from the Work area and to uncontaminated areas.
2. If gross material cannot be removed from the working end of the equipment (area coming in direct contact with asbestos-containing material), it shall be wrapped in a 6-mil plastic bag, or other suitable 6-mil plastic medium, and sealed with tape prior to leaving the Work area.

1.7 SUPERINTENDENT FOREMAN CRAFTSMAN:

The Contractor shall have a job superintendent (and/or Competent person) present at all times while work on this Contract is in progress.

The Project Superintendent (and/or Competent person) shall be thoroughly familiar and experienced with asbestos removal and related work and shall be familiar with and shall enforce the use of all safety procedures and equipment. He shall be knowledgeable of all EPA, OSHA, and NIOSH requirements and guidelines.

In addition to the Superintendent (an/or Competent person), the Contractor shall furnish one or more foremen who are familiar and experienced with asbestos removal and its related work, safety procedures, and equipment. If the Superintendent is not present then the foremen shall be a Competent person.

- A. It shall be a requirement of this Contract that the superintendent and/or one or more of the Contractor's foremen be inside the Work area at all times while work is in progress.
- B. It is the intent of these Specifications that all phases of the Work shall be executed by skilled craftsmen experienced or receiving training by on-site experienced personnel in each respective trade.
- C. The Competent person on-site must be able to clearly communicate in a manner so that the Owner's Consultant and Owner can clearly understand.

PART 2 - MATERIAL AND EQUIPMENT

2.1 MATERIALS:

See Section 02071 HM, Part 2.1 for Materials.

2.2 TOOLS AND EQUIPMENT:

Provide suitable tools for the work at hand.

PART 3 - EXECUTION

3.1 PREPARATION:

A. Separation of work areas from occupied areas:

1. Separate parts of the building required to remain in use from parts of the building that will undergo asbestos removal by means of barriers, constructed as follows:
 - a. Isolate the area in which removal will take place by placing barrier tape at least 25 feet from the work. If applicable, lock from external entry all but one entrance to the Work area.
 - b. Place asbestos warning signs at the barrier and at all open entrances to Work area. Signs must be placed conspicuously and must be easily read. Signs must conform to legal size and wording.
2. Shut down electric power. Provide temporary power and lighting and ensure safe installation of temporary power sources (if required) and equipment per applicable electrical code requirements.
3. Shut down and isolate heating, ventilating, and air cooling (HVAC) systems to prevent contamination and fiber dispersal to other areas of the structure. Isolate all supply intake ducting from Work area by installing 2 layers of 6-mil polyethylene over the intake using 6 inches of duct tape to affix polyethylene to intake housing.

B. Pre-clean work area:

1. Where ACM penetration/seam sealant material is in poor friable condition, clean all moveable objects within the Work area using HEPA vacuum equipment and/or wet cleaning methods as appropriate. In all cases, remove removable objects from the Work area to a designated temporary storage location. Protection of and accounting for the stored materials is the sole responsibility of the Contractor.
2. Where ACM material is in poor friable condition, pre-clean fixed objects within the proposed work areas, using HEPA vacuum equipment and/or wet cleaning methods as appropriate and, in all cases, cover with minimum of 6-mil polyethylene.

C. Prepare work area:

1. Erect asbestos hazard tape barriers and post the work area to restrict access by unauthorized persons within 25 feet of this area.
2. Place a single layer of 6-mil poly on the ground surface to extend 10 feet beyond the materials extent.
3. Maintain emergency and fire exits from the Work areas, or establish alternative exits satisfactory to fire officials.
4. Establish 'Do Not Enter' caution tape barriers extending 10 feet beyond and surrounding the decontamination facility.
5. Roof level heating and ventilation air intake sources shall be isolated by polyethylene wrapping and the ventilation system shut down, or if systems cannot be shut down, devise a sealed system allowing intake air to be derived at a minimum of 15 feet beyond the work area.

D. Decontamination enclosure systems:

1. The decontamination enclosure facility will be constructed of two totally enclosed chambers as follows:
 - a. An equipment room, constituting an air lock, with an access doorway to a designated area of the Work area and an access doorway to the shower area.
 - b. A washroom, constituting an air lock, with an access doorway to the equipment room and an access doorway to an uncontaminated area.
 - c. All floors of the decontamination chamber will be covered with 2 layers of 6-mil plastic. Flooring plastic will extend up 12 inches along the decontamination walls. Flooring will be seamless in its application.
2. All decontamination systems or entry/exit system air locks will be constructed using Z-flap design incorporating 2 layers of 6-mil plastic with the flaps extending the full height and width of the entrance space.
3. Ensure that a water source within the shower room is available for wet wiping of all exposed extremities and respirator prior to exiting the decontamination facility. All protective gear will be removed and be disposed of in the equipment room prior to entering the shower room.

E. Maintenance of Decontamination Enclosure System and Work Area Barrier:

1. Ensure that barriers are maintained and intact at all times. Repair damaged barriers and remedy defects immediately upon discovery.
2. Visually inspect enclosures and barriers at the beginning of each work period.

F. Asbestos removal work shall not commence until:

1. Arrangements have been made for disposal of waste at an acceptable site.
2. Work areas and decontamination systems and parts of the building required to remain in use are effectively segregated.
3. Tools, equipment, and material waste receptors are on hand.
4. Arrangements have been made for building security.
5. All other preparatory steps have been taken and applicable notices posted and permits obtained.
6. Removal work will not begin until the Engineer authorizes work to commence, in writing.

3.2 ASBESTOS REMOVAL – ROOFING PENETRATION/SEAM SEALANT MATERIAL:

A. **General:** The Contractor shall remove all sealant material to the base material or structure or that specified in Section 01010HM, and any loose debris shall be HEPA vacuumed.

B. Removal Methods:

1. Some areas may require intact removal, as outlined in the Scope of Work, and sealant applied component shall be removed with all traces of attached sealant material.
2. Where substrate material remains intact, all sealant shall be removed and a mastic remover shall be used on the substrate surfaces cleaning to a non-three (3) dimensional state.
3. Wet methods shall be used where feasible.
4. Cutting machines shall be continuously misted during use. All engine-powered rotating blade (RB) roof cutters with one or more rotating cutting blades (the edges of which are blunt as opposed to sharp or tapered edges) shall be equipped with a blade guard that completely encloses the blade and extends down close to the roof surface and a device for spraying a fine mist of water inside the blade guard in operation during the cutting of the roof.

5. The use of equipment with blades having sharp or tapered edges used for “slicing” rather than “cutting”, or other methods that do not sand, grind, cut, or abrade the roofing material do not require NESHAP notification regardless of the size of the roof being removed.

C. Transfer of Waste to Bin:

1. All removed non-friable sealant materials shall be expeditiously placed in clear 6-mil waste bags and shall be immediately lowered to the ground or placed directly into a disposal bin via polyethylene covered, dust-tight chute, crane or hoist, or placed in an impermeable waste bag or wrapped in polyethylene sheeting and lowered to the ground no later than the end of the work shift.
2. If possible, bagged roofing material shall be lowered to the ground directly into a disposal bin. If material must first be lowered to the ground, a 10 foot by 10 foot layer of 6-mil plastic will be set directly below the lowered material. The material will then be either carried or hauled to the disposal bin without touching the ground.
3. If a dust tight chute is used, 6-mil polyethylene will be placed from the base of the disposal bin to a distance of 8 feet beyond the perimeter of said bin. A dust cover of 6-mil polyethylene will be attached from the chute mouth to fully extend over the edges of the disposal bin at any time during its use in order to maintain a ‘closed’ system between the dust chute and the container bin.
4. Contractor shall make every effort to ensure that no over-spill occurs while loading the container bin through the use of a dust-tight chute. If over-spill occurs contractor shall immediately bag and clean the debris from the polyed area.
5. Unwrapped material shall be not be lowered to the ground unless contained within a dust tight apparatus and into a closed receptacle.
6. Dry sweeping or brushing during removal or clean-up is strictly prohibited. Contractor shall use a HEPA vacuum in lieu of sweeping.

3.3 CLEANUP AND AIR MONITORING:

A. Air Monitoring:

1. If, during removal, visible dust is present, the Contractor shall modify his or her work practices to reduce emissions and provide workers with powered air-purifying respirator protection.

B. Clean-Up:

1. Wet clean all surfaces and remove all visible accumulation of asbestos containing material from the Work area.
2. Where a waste bin is employed, waste within the disposal bin must be covered at all times. At the end of the shift, if waste remains on site, waste must be within a

hard-sided container and covered with 2 layers of 6-mil plastic and securely fastened to the container. During temporary storage, barrier tape must be placed around the perimeter of the bin.

3.4 DISPOSAL OF ASBESTOS-CONTAINING MATERIALS AND ASBESTOS-CONTAMINATED WASTE:

Section 02071 HM, Part 3.4, Asbestos-Containing Materials and Asbestos-Contaminated Waste, shall be modified in the following particulars only.

A. Asbestos Materials:

1. All materials shall be disposed of as non-hazardous asbestos containing materials.

3.5 REESTABLISHMENT OF OBJECTS AND SYSTEMS:

See Section 02071 HM, Part 3.5 for Reestablishment of Objects and Systems.

END OF SECTION

SECTION 02076 HM
ASBESTOS REMOVAL
TEXTURED WALL PAINT, SHEETROCK SPACKLING, AND PLASTERS

PART 1 - GENERAL

1.1 SCOPE:

This Specification covers the abatement of asbestos-containing textured wall paint, sheetrock spackling compound, or plasters from the following locations:

As described in Section 01010 HM, Scope of Work.

1.2 DESCRIPTION OF WORK:

A. **General:** The Work specified herein shall be the removal of asbestos-containing material by persons knowledgeable, qualified, and trained in the removal, treatment, handling, and disposal of asbestos-containing material, and the subsequent cleaning of the affected environment, and who comply with Federal, State and Local regulations which mandate work practices, and who are capable of performing the Work of this Contract.

B. **Contract Fulfillment:** The Contractor shall supply all labor, materials, equipment, services, insurance, and incidentals which are necessary or required to perform the Work in accordance with applicable governmental regulations and these Specifications.

C. **Related Work Specified Elsewhere:**

Please refer to Section 02071 HM, Asbestos Removal and Section 01010 HM, Scope of Work.

1.3 TERMINOLOGY:

The following terms used in these Specifications are defined in Section 02071 HM, Part 1.3.

1.4 APPLICABLE DOCUMENTS:

See Section 02071 HM, Part 1.4, for Applicable Documents.

1.5 SUBMITTALS AND NOTICES:

See Section 02071 HM, Part 1.5 for Submittals and Notices.

1.6 PERSONAL PROTECTION AND SAFETY:

- A. For materials, as referenced in 1.1, Scope above, containing 1% or greater asbestos, Section 02071 HM, Part 1.6 applies.
- B. For materials, as referenced in 1.1, Scope above, containing less than 1%, Section 02071 HM, Part 1.6 shall be replaced with the following corresponding Part 1.6 subsections listed below.
- C. Respiratory protection requirements (asbestos content less than 1%):
 - 1. All activities may be performed wearing a half facepiece, negative pressure respirator. If it becomes necessary to use PAPR respiratory protection, the respiratory protection requirements of Section 02071 HM, Part 1.6.C shall govern.
- D. **Worker protection procedures:**
 - 1. **General:** the Contractor shall provide Adequate shower facilities. An employee leaving the Work area shall follow all decontamination procedures necessary or as described herein.
 - 2. **Posted Procedures:** Provide and post, in the Equipment Room and the Clean Room, the decontamination and work procedures to be followed by workers and authorized visitors as described in these Specifications.
 - 3. **Entering the Work Area:** All workers and authorized visitors shall, don 2 sets of protective suits prior to entering the work area.
 - 4. **Personnel Exiting the Work Area:** All workers and authorized visitors shall, each time they leave the Work area; remove gross contamination from protective clothing and equipment, HEPA vacuum clothing and equipment, and remove the outer protective suit and place within a waste bag located within the work area. All workers and authorized visitors shall then proceed immediately to the equipment room and remove the second suit and place within a waste bag located within the equipment room. All workers and authorized visitors shall then proceed to the shower room and wet wipe all exposed extremities and equipment surfaces. After wet wiping all exposed body and equipment surfaces, workers and/or visitors may then proceed through the exit to the uncontaminated area.
 - 5. **Equipment removal procedures:** Clean surfaces of contaminated containers and equipment thoroughly by wet sponging or wiping before moving such items into the equipment decontamination enclosure system washroom or through the shower for final cleaning and removal to uncontaminated areas.
 - a. Contaminated work footwear shall be stored in the Equipment Room when not in use in the Work area. Upon completion of asbestos abatement, dispose of footwear as contaminated waste.
 - b. Workers removing waste containers from the equipment decontamination enclosure shall enter the holding area from outside wearing a respirator and

dressed in clean disposable coveralls. No worker shall use this system as a means to leave or enter the washroom or the Work area.

6. **Waste removal:** Workers loading waste containers from the Work area which are not directly placed in the waste bin or enclosure shall wear a respirator and be dressed in clean disposable coveralls.
7. **Safety Issues:** See Section 02071 HM, Part 1.6.D.5.

1.7 SUPERINTENDENT FOREMAN CRAFTSMAN:

The Contractor shall have a job superintendent (and/or Competent person) present at all times while work on this Contract is in progress.

The Project Superintendent (and/or Competent person) shall be thoroughly familiar and experienced with asbestos removal and related work and shall be familiar with and shall enforce the use of all safety procedures and equipment. He or she shall be knowledgeable of all EPA, OSHA, and NIOSH requirements and guidelines.

In addition to the Superintendent (an/or Competent person), the Contractor shall furnish one or more foremen who are familiar and experienced with asbestos removal and its related work, safety procedures, and equipment. If the Superintendent is not present, then the foremen shall be a Competent person.

- A. It shall be a requirement of this Contract that the Superintendent and/or one or more of the Contractor's foremen be inside the Work area at all times while work is in progress.
- B. It is the intent of these Specifications that all phases of the Work shall be executed by skilled craftsmen experienced or receiving training by on-site experienced personnel in each respective trade.
- C. The Competent person on-site must be able to clearly communicate in a manner so that the Owner's Consultant and Owner can clearly understand.

PART 2 - MATERIAL AND EQUIPMENT

2.1 MATERIALS:

See Section 02071 HM, Part 2.1, for Materials.

2.2 TOOLS AND EQUIPMENT:

- A. For materials, as referenced in 1.1, Scope above, containing 1 % or greater asbestos, Section 02071 HM.2.2 applies.

B. For materials, as referenced in 1.1, Scope above, containing less than 1%, Section 02071 HM, Part 2.2, Materials, applies but modified in the following particulars only.

C. Pressure recorder:

1. If asbestos content of material as referenced in is less than 1%, only visible signs of negative air will be required.
2. Asbestos content of Drywall systems will not be considered; Only asbestos content of spackling will be used in determining whether a pressure recorder will be used.

PART 3 - EXECUTION

3.1 PREPARATION:

A. For materials, as referenced in 1.1, Scope above, containing 1% or greater asbestos, Section 02071 HM.3.1 applies.

B. For materials, as referenced in 1.1, Scope above, containing less than 1%, Section 02071 HM, Part 3.1, Preparation, applies but modified in the following particulars only.

C. Prepare work area:

1. Cover floor surfaces with plastic sheeting sealed with tape. Use a minimum of 2 layers of 6-mil plastic on floors. The second layer of floor sheeting may be black or dark in color. If floor coverings are scheduled for removal per plans and/or scope of work, floor plastic is not placed until after floor coverings are removed, which occur during asbestos removal activities, paragraph 3.2.
2. Cover non-impacted walls with a single layer of 6-mil plastic.
3. Cover all criticals (doors, windows, vents, etc.) with 2 layers of 6-mil plastic affixed with sufficient tape to prevent air intrusion.
4. If ceiling is constructed of those materials listed herein and is to be removed, Contractor will prep above the ceiling to such an extent as to maintain sufficient negative pressure within the Work area upon its removal. If a grid type drop ceiling exists, cover ceiling with 1 layer of 6-mil plastic.
5. Seal any openings (i.e., pipe penetrations, etc.) on opposing wall if it is to remain. Seal such openings with tape and 2 layers of 6-mil plastic.

D. Decontamination Facilities:

1. The decontamination enclosure facility will be constructed of two totally enclosed chambers as follows:
 - a. An equipment room, constituting an air lock, with an access doorway to a designated area of the Work area and an access doorway to the shower area.
 - b. A washroom, constituting an air lock, with an access doorway to the equipment room and an access doorway to an uncontaminated area.
 - c. All floors of the decontamination chamber will be covered with 2 layers of 6-mil plastic. Flooring plastic will extend up 12 inches along the decontamination walls. Flooring will be seamless in its application.
2. All decontamination systems or entry/exit system air locks will be constructed using Z-flap design incorporating 2 layers of 6-mil plastic with the flaps extending the full height and width of the entrance space.
3. Ensure that a water source within the shower room is available for wet wiping of all exposed extremities and respirator prior to exiting the decontamination facility. All protective gear will be removed and be disposed of in the equipment room prior to entering the shower room.

3.2 ASBESTOS REMOVAL:

- A. For materials, as referenced in 1.1, Scope above, containing 1% or greater asbestos, Section 02071 HM, Part 3.2 applies.
- B. For materials, as referenced in 1.1, Scope above, containing less than 1%, Section 02071 HM, Part 3.2, Asbestos Removal, applies but modified in the following particulars only.
 1. If material content is less than 1% asbestos; reduced pressure within the Work area shall be maintained by HEPA-filtered air filtration units.

3.3 CLEANUP AND AIR MONITORING:

Employ the following procedures in cleaning up the Work area:

- A. For materials, as referenced in 1.1, Scope above, containing 1% or greater asbestos, Section 02071 HM, Part 3.3 applies.
- B. For materials, as referenced in 1.1, Scope above, containing less than 1%, Section 02071 HM, Part 3.3, Cleanup and Air monitoring, applies but modified in the following particulars only.
- C. Wet clean all surfaces and remove all visible accumulation of asbestos containing material from the Work area including the top layer of plastic if not previously removed.

Prepare the Work area for the initial air test which will be performed after a visual inspection.

- D. Following the required removal and a successful visual inspection, an initial PCM Clearance Testing NIOSH 7400 Method (less than .01 fibers per cubic centimeter (f/cc)) will be performed.
- E. After successful completion of the initial air test and before the last layer of the plastic sheeting is removed, apply one coat of an asbestos encapsulant sealer following manufacturer's recommendations for application. The encapsulant sealer shall be compatible with any material to be reapplied to the surface.
- F. After a 24-hour period, wet clean or HEPA vacuum all surfaces within the Work area. Once this cleaning operation is complete, visually inspect the Work area to ensure that it is free of contamination.
- G. Owner's consultant will conduct a thorough visual inspection prior to setting air pumps. Upon successful completion of the visual inspection and Owner's consultant's determination that all surfaces in the Work area are dry and free of contamination, the final air clearance test will be conducted.
- H. The final air clearance test will consist of PCM Testing NIOSH using the 7400 Method (less than 0.01 f/cc).
- I. Additional testing required after the one initial test and one final test will be the responsibility of the Contractor. In the event of additional testing, the Contractor may reimburse Owner, or reduce the Contract amount by change order. It is the Owner's intent to have, at no charge to the Contractor, one initial test and one final test performed in each area. A test may consist of one sample or a series of samples performed at the same time.

3.4 DISPOSAL OF ASBESTOS-CONTAINING MATERIALS AND ASBESTOS-CONTAMINATED WASTE:

- A. For materials, as referenced in 1.1, Scope above, containing 1% or greater asbestos, Section 02071 HM.3.4 applies.
- B. For materials, as referenced in 1.1, Scope above, containing less than 1%, Section 02071 HM, Part 3.4, Disposal of Asbestos-Containing Materials and Asbestos Contaminated Waste, applies but modified in the following particulars only.

1. Asbestos materials:

- a. For those materials containing less than 1% asbestos; material shall be placed in 6-mil unlabeled bags and sealed with duct tape. Generator labels will be affixed to bags according to Cal-OSHA regulations. Bagged material will be decontaminated according to Section 2071 HM

2. Asbestos waste:

- a. Bagged material may be disposed of in accordance with Federal, State, and Local regulations (i.e., non-hazardous waste).

3.5 REESTABLISHMENT OF OBJECTS AND SYSTEMS:

See Section 02071 HM, Part 3.5, for reestablishment of object and systems.

END OF SECTION

SECTION 02078 HM
ASBESTOS REMOVAL
WINDOW GLAZING REMOVAL (INTACT/NON-INTACT)

PART 1 - GENERAL

1.1 SCOPE:

This Specification covers the abatement of intact asbestos-containing interior or exterior window glazings from the following locations:

As described in Section 01010 HM, Scope of Work.

1.2 DESCRIPTION OF WORK:

A. **General:** The Work specified herein shall be the removal of asbestos-containing material by persons knowledgeable, qualified, and trained in the removal, treatment, handling, and disposal of asbestos-containing material, and the subsequent cleaning of the affected environment, and who comply with Federal and State regulations which mandate work practices, and who are capable of performing the Work of this Contract.

B. **Contract Fulfillment:** The Contractor shall supply all labor, materials, equipment, services, insurance, and incidentals which are necessary or required to perform the Work in accordance with applicable governmental regulations and these Specifications.

C. **Related Work Specified Elsewhere:**

Section 02071HM, Asbestos Removal and per Section 01010 HM, Scope of Work.

1.3 TERMINOLOGY:

The following terms used in these Specifications are defined in Section 02071 HM, Part 1.3.

1.4 APPLICABLE DOCUMENTS:

See Section 02071 HM, Part 1.4, for Applicable Documents.

1.5 SUBMITTALS AND NOTICES:

See Section 02071 HM, Part 1.5 for Submittals and Notices.

1.6 PERSONAL PROTECTION AND SAFETY:

- A. For materials which remain intact (do not delaminate from substrate during preparation), the following elements apply.
- B. If material does not remain intact during material removal preparation, Section 02071 HM, Part 1.6 applies.
- C. **Respiratory protection requirements:** All activities may be performed wearing a **half facepiece, negative pressure respirator.**
- D. **Worker protection procedures:**
 - 1. **General:** the Contractor shall provide Adequate shower facilities. An employee leaving the Work area shall follow all decontamination procedures necessary or as described herein.
 - 2. **Posted Procedures:** Provide and post, in the Equipment Room and the Clean Room, the decontamination and work procedures to be followed by workers and authorized visitors as described in these Specifications.
 - 3. **Entering the Work Area:** All workers and authorized visitors shall don a protective suit prior to entering the work area.
 - 4. **Personnel Exiting the Work Area:** All workers and authorized visitors shall, each time they leave the Work area; remove gross contamination from protective clothing and equipment, HEPA vacuum clothing and equipment, and remove the protective suit and place within a waste bag located within the work area. All workers and authorized visitors shall then proceed to the shower room and wet wipe all exposed extremities and equipment surfaces. After wet wiping all exposed body and equipment surfaces, workers and/or visitors may then proceed through the exit to the uncontaminated area.
 - 5. **Equipment removal procedures:** Clean surfaces of contaminated containers and equipment thoroughly by wet sponging or wiping before moving such items and then removing to uncontaminated areas.
 - 6. **Waste removal:** Workers loading waste containers from the Work area which are not directly placed in the waste bin or enclosure shall wear a respirator and dressed in clean disposable coveralls.
 - 7. **Safety Issues:** See Section 02071 HM, Part 1.6.D.5.

1.7 SUPERINTENDENT FOREMAN CRAFTSMAN:

The Contractor shall have a Project Superintendent (and/or Competent person) present at all times while work on this Contract is in progress.

The Project Superintendent (and/or Competent person) shall be thoroughly familiar and experienced with asbestos removal and related work and shall be familiar with and shall enforce the use of all safety procedures and equipment. He or she shall be knowledgeable of all EPA, OSHA, and NIOSH requirements and guidelines.

In addition to the Superintendent (an/or Competent person), the Contractor shall furnish one or more foremen who are familiar and experienced with asbestos removal and its related work, safety procedures, and equipment. If the Superintendent is not present, then the foremen shall be a Competent person.

- A. It shall be a requirement of this Contract that the Superintendent and/or one or more of the Contractor's foremen be inside the Work area at all times while work is in progress.
- B. It is the intent of these Specifications that all phases of the Work shall be executed by skilled craftsmen experienced or receiving training by on-site experienced personnel in each respective trade.
- C. The Competent person on-site must be able to clearly communicate in a manner so that the Owner's Consultant and Owner can clearly understand.

PART 2 - MATERIAL AND EQUIPMENT

2.1 MATERIALS:

See Section 02071 HM, Part 2.1, for Materials.

2.2 TOOLS AND EQUIPMENT:

- A. For materials which remain intact (do not delaminate from substrate during material preparation), Section 02071 HM, Part 2.2.B, Part 2.2.C, and Part 2.2.D do not apply.
- B. If material does not remain intact during material removal preparation, Section 02071 HM applies.

PART 3 - EXECUTION

3.1 PREPARATION:

- A. For materials which remain intact (do not delaminate from substrate during the following procedures), the following procedures apply.
- B. If material does not remain intact during material removal preparation, Section 02071 HM, Part 3.1 applies.
- C. **Prepare work area:**
 - 1. Cover floor surfaces with plastic sheeting sealed with tape. Use a minimum of one layer of 6-mil plastic on floors.
 - 2. Cover impacted walls with a single layer of 6-mil plastic.
 - 3. Erect barrier tape at a distance of 25 feet from any one removal area.
- D. **Decontamination Facilities:**
 - 1. The decontamination enclosure facility will be constructed of two totally enclosed chambers as follows:
 - a. An equipment room, constituting an air lock, with an access doorway to a designated area of the Work area and an access doorway to the shower area.
 - b. A washroom, constituting an air lock, with an access doorway to the equipment room and an access doorway to an uncontaminated area.
 - c. All floors of the decontamination chamber will be covered with 2 layers of 6-mil plastic. Flooring plastic will extend up 12 inches along the decontamination walls. Flooring will be seamless in its application.
 - 2. All decontamination systems or entry/exit system air locks will be constructed using Z-flap design incorporating 2 layers of 6-mil plastic with the flaps extending the full height and width of the entrance space.
 - 3. Ensure that a water source within the shower room is available for wet wiping of all exposed extremities and respirator prior to exiting the decontamination facility. All protective gear will be removed and be disposed of in the equipment room prior to entering the shower room.

3.2 ASBESTOS REMOVAL:

- A. For materials which remain intact (do not delaminate from substrate during the following procedures) the following procedures apply.
- B. If material does not remain intact during material removal preparation, Section 02071 HM, Part 3.2 applies.
- C. Window panels shall be covered with 6-mil spray glue and a single layer of 6-mil plastic shall be affixed to frame and glazing, on both inside and outside surfaces, so as to prevent lamination and exposure to outside air of the glazing during removal of intact windows. Plastic sheeting must remain adhered to surfaces, sealing the glazing from outside air during all phases of preparation and removal, else Section 02071 HM, Part 3.2 applies.

3.3 CLEANUP AND AIR MONITORING:

Employ the following procedures in cleaning up the Work area:

- A. For materials which remain intact (do not delaminate from substrate during the following procedures), the following procedures apply.
- B. If material does not remain intact during material removal preparation, Section 02071 HM, Part 3.3 applies.
- C. Wet clean all surfaces and remove all visible accumulation of asbestos containing material from the Work area including the top layer of plastic if not previously removed. Prepare the Work area for the final air test which will be performed after a visual inspection.
- D. Owner's consultant will conduct a thorough visual inspection prior to setting air pumps. Upon successful completion of the visual inspection and Owners consultant's determination that all surfaces in the Work area are dry and free of contamination, the final air clearance test will be conducted.
- E. The final air clearance test will consist of PCM Testing NIOSH using the 7400 Method (less than 0.01 fibers per cubic centimeter (f/cc)).
- F. Additional testing required after the one initial test and one final test will be the responsibility of the Contractor. In the event of additional testing, the Contractor may reimburse Owner, or reduce the Contract amount by change order. It is the Owner's intent to have, at no charge to the Contractor, one initial test and one final test performed in each area. A test may consist of one sample or a series of samples performed at the same time.

3.4 DISPOSAL OF ASBESTOS-CONTAINING MATERIALS AND ASBESTOS-CONTAMINATED WASTE:

A. For materials, containing one percent or greater asbestos, Section 02071 HM.3.4 applies.

B. For materials containing less than one percent, Section 02071 HM, Part 3.4, Disposal of Asbestos-Containing Materials and Asbestos Contaminated Waste, applies but modified in the following particulars only.

1. **Asbestos materials:**

- a. For those materials containing less than 1% asbestos; material shall be placed in 6-mil unlabeled bags or covered with 6-mil plastic and sealed with duct tape. Generator labels will be affixed to bags according to Cal-OSHA regulations. Bagged material will be decontaminated according to Section 02071HM.

2. **Asbestos waste:**

- a. Bagged material may be disposed of in accordance with Federal, State, and Local regulations (i.e., non-hazardous waste)

3.5 REESTABLISHMENT OF OBJECTS AND SYSTEMS:

See Section 02071 HM, Part 3.5, for reestablishment of object and systems.

END OF SECTION

SECTION 02092 HM

LBP, LEAD CONTAINING MATERIALS REMOVAL (Abrasive, Ceramic Tile)

PART 1 - GENERAL

1.1 SCOPE:

This Specification covers the abatement of materials containing lead-based paint as described in Section 01010 HM, Scope of Work.

1.2 DESCRIPTION OF WORK:

- A. **General:** The Work specified herein shall be the removal of lead-containing materials and lead dust environments by persons knowledgeable, qualified, and trained in the removal, treatment, handling, and disposal of lead-based paint and lead containing materials, and the subsequent cleaning of the affected environment, and who comply with Federal, State, and Local regulations and guidelines which mandate work practices, and who are capable of performing the Work of this Contract.
- B. **Contract Fulfillment:** The Contractor shall supply all labor, materials, equipment, services, insurance, and incidentals which are necessary or required to perform the Work in accordance with applicable governmental regulations and guidelines and these Specifications.

1.3 TERMINOLOGY:

The following terms used in these Specifications are defined as listed below:

- A. **Abatement:** Any measure designed to permanently eliminate lead-based paint hazards in accordance with standard established by EPA Administrator pursuant to Title IV of the Toxic Substances Control Act (TSCA).
- B. **Abatement Area:** The exterior of the building or an area isolated from the building interior by containment.
- C. **Accessible Surface:** Any surface, which is below 5 feet in height from the floor or ground or is exposed in such a way that a child could come in contact with the surface.
- D. **Access Doorway:** A device to allow ingress and egress from one room or area to another while permitting minimal air movement between the rooms, typically constructed by placing two or three overlapping sheets of plastic over an existing or temporarily framed doorway, securing each along the top of the doorway, securing the vertical edge of one sheet along one vertical side of the doorway, and securing the vertical edge of the other sheet along the opposite vertical side of the doorway; or by using a rigid gasketed door and HEPA filter vents.

- E. **Action Level:** An exposure of airborne concentrations of lead dust particulates in excess of thirty micrograms per cubic meter ($30 \mu\text{g}/\text{m}^3$) of air calculated as an 8 hour time weighted average (TWA).
- F. **Air Filtration Equipment:** A portable local filtration system equipped with HEPA filtration and capable of maintaining a constant, low velocity flow to filter and trap contamination out of the air within the work area and then circulate or exhaust the filtered air to uncontaminated areas. This equipment is also used to establish a reduced pressure within the work area.
- G. **Air Monitoring:** The process of measuring the lead content of a specific volume of air in a stated period of time.
- H. **Air Sampling Professional:** The professional contracted or employed to supervise air monitoring and analysis schemes. This individual is also responsible for recognition of technical deficiencies in Worker protection equipment and procedures during both planning and on-site phases of an abatement project. This individual shall be certified in the comprehensive practice of air sampling for lead by Department of Health Services (DHS) as a Lead Project Monitor or Lead Supervisor.
- I. **Air Lock:** A system for permitting ingress and egress with minimum air movement between a contaminated area and an uncontaminated area, consisting of dual or triple curtained doorways or rigid gasketed doors separated by a dead air space of four feet.
- J. **Authorized Person or Visitor:** The building owners, his or her authorized representative, or any representative of a regulatory or other agency having jurisdiction over the Project.
- K. **Biological Monitoring:** The analysis of a person's blood to determine the level of lead contamination in the body. Biological monitoring for lead hazard reduction work includes blood sampling and analysis for lead and zinc protoporphyrin levels.
- L. **Certified Industrial Hygienist:** A person certified by American Board of Industrial Hygienist and who has at least four years experience and a graduate degree or five years experience; and who has passed a two-day examination offered by the board (see also industrial hygienist).
- M. **Clean Room:** An uncontaminated area or room which is a part of the Work decontamination facility with provisions for storage of worker's street clothes and protective equipment.
- N. **Clearance Testing:** Post abatement procedure as required by DHS. A clearance inspection must be conducted after abatement is completed. Only a DHS certified lead inspector/assessor or a Project Monitor may conduct a clearance inspection.
- O. **Code Enforcement Agency:** The State Lead Poisoning Prevention Program or its agent, or the local board of health or other agency responsible for enforcing the State Sanitary Code or Sections thereof.
- P. **Commissioner:** The commissioner of Public Health.

- Q. **Common Area:** A room or area that is accessible to more than one tenant in a building (e.g., common hallways, stairwells, laundry rooms).
- R. **Containment:** A process for protecting other workers, residents, and the environment by isolating areas from exposures to lead dust and debris created during abatement in a work area.
- S. **Curtained Doorway:** A device to allow ingress and egress from one room to another while permitting minimal air movement between the rooms, typically constructed by placing two overlapping sheets of plastic over an existing or temporarily framed doorway, securing each along the top of the doorway, securing the vertical edge of one sheet along one vertical side of the doorway, and securing the vertical edge of the other sheet along the opposite vertical side of the doorway (referred to as Z-fold design).
- T. **Decontamination Facility:** A series of connected rooms, with curtained doorways between any two adjacent rooms for the decontamination of workers and of materials and equipment. A decontamination enclosure system always contains at least one airlock.
- U. **Defective surface:** Peeling, flaking, chalking, scaling, or chipping paint; or, paint over crumbling, cracking, or falling plaster, or plaster with holes in it; paint over a defective or deteriorating substrate; paint that is separating from the substrate; and paint that is damaged in any manner such that a child could be exposed to the paint from the damaged area.
- V. **Employee:** Any person employed or hired by an employer in any lawful employment.
- W. **Employer:** Any person, firm, corporation, partnership, association, or other entity engaged in a business or providing services, including the State and any of its political subdivisions, or any person acting in the direct interest of any of the foregoing in relation to any employee or place of employment.
- X. **Encapsulant (sealant):** A liquid material which can be applied to lead containing material and which controls the possible release of lead from the material either by creating a membrane over the surface (bridging encapsulant) or by penetrating into the material and binding its components together (penetrating encapsulant).
- Y. **Encapsulation:** Procedures necessary to apply an encapsulant to lead containing building materials to control the possible release of lead dust particulates or entrained material into the ambient air.
- Z. **Enclosure:** Procedures necessary to enclose completely lead containing material behind airtight, impermeable, permanent barriers.
- AA. **Entity:** Any person, partnership, firm, association, corporation, sole proprietorship, or any other business concern, state or local government agency or political subdivision or authority thereof, or any religious, social, or union organization, whether operated for profit or otherwise.

- BB. **Equipment Room:** A contaminated area or room, which is part of the Worker decontamination enclosure with provisions for storage of contaminated clothing and equipment.
- CC. **Equipment Decontamination Facility:** That portion of a decontamination facility designed for controlled transfer of materials and equipment, typically consisting of a washroom and a holding area.
- DD. **Equipment Room:** A contaminated area or room which is part of the worker decontamination facility with provisions for storage of contaminated clothing and equipment.
- EE. **Fixed Object:** A unit of equipment or furniture in the Work area which cannot be removed from the Work area.
- FF. **General Trades Contractor:** Shall refer to the contractor responsible for coordination of all filed sub-bids and general construction.
- GG. **Hazardous Level of Lead for Waste Disposal:** 5.0 parts per million (ppm) as defined by RCRA Toxicity Characteristic Leachate Procedure (TCLP) or other requirements set by local or state authorities.
- HH. **High Phosphate Detergent:** Detergent that contains at least five percent (5%) tri-sodium phosphate (TSP) or other equally effective cleaning agent.
- II. **HEPA Filter:** A high efficiency particulate air (HEPA) filter capable of trapping and retaining 99.97 percent of particles greater than 0.3 micrometers in mass median aerodynamic equivalent diameter.
- JJ. **HEPA Vacuum Equipment:** Vacuuming equipment with a HEPA filter system.
- KK. **Holding Area:** A chamber in the equipment decontamination facility located between the washroom and an uncontaminated area. The holding area comprises an airlock.
- LL. **Intact Surface:** A defect-free surface with no loose, peeling, chipping, or flaking paint. Painted surfaces must be free from crumbling, cracking, falling plaster, and must not have holes in them. Intact surfaces are not damaged in any way.
- MM. **Log Book:** A notebook or other book containing essential project data and daily project information and a daily project diary. This book is kept on the Project site at all times.
- NN. **Lead-based:** Refers to paints, glazes, and other surface coverings containing a toxic level of lead.
- OO. **Lead-Containing:** Refers to Paints, glazes, and other surface covering containing a detectable level of lead.
- PP. **Mini-Enclosure:** A method with limited applications for removing small amounts of lead-based paint material typical for small-scale, short duration type projects.

- QQ. **Movable Object:** A unit of equipment or furniture in the Work area that can be removed from the Work area.
- RR. **Negative Air Pressure Equipment:** A portable local exhaust system equipped with HEPA filtration and capable of maintaining a constant, low velocity air flow into contaminated areas from adjacent uncontaminated areas.
- SS. **Paint Removal:** All herein specified procedures necessary to remove or strip lead-based paint from the surfaces of components and to dispose of these materials at an acceptable site. Removal may consist of off-site or on-site paint removal as specified.
- TT. **Permissible Exposure Limit:** An airborne lead concentration of fifty micrograms per cubic meter of air ($50 \mu\text{g}/\text{m}^3$) or greater, averaged over an 8 hour period.
- UU. **Personal Monitoring:** Sampling of lead fiber concentrations within the breathing zone of a lead Worker.
- VV. **Plasticize:** To cover floor and walls with plastic sheeting as herein specified.
- WW. **Qualified Abatement Subcontractor:** A sub-contractor capable of providing a properly trained and equipped work force for abatement work. All employees to perform abatement activities shall have successfully completed a minimum of 24 hours of training in the potential hazards of abating lead-based paint. Abatement contractors must possess the appropriate license or certification from the state or local government.
- XX. **Removal:** A strategy of abatement, which entails the removal of components, such as windows, doors, and trim that contain toxic levels of lead such that new components that are lead free may be installed.
- YY. **Replacement:** A method of abatement that involves removing components that have lead-based paint surfaces and installing new components free of lead-based paint.
- ZZ. **Shower Room:** A room or area in the worker decontamination unit facility with hot and cold or warm running water and suitably arranged for complete showering during decontamination. An alternate site away from the decontamination facility may be used as approved by the Owner's consultant.
- AAA. **Subcontractor:** Shall refer to the Abatement Contractor.
- BBB. **Surfactant:** A chemical wetting agent added to water to improve penetration.
- CCC. **Toxic Characteristic Leachate Procedure (TCLP):** EPA required sample preparation for determine the hazard characteristic of a waste generated at a lead abatement site.
- DDD. **Toxic Level of Lead in Surface Coatings:** 1.0 milligrams or more per square centimeter (mg/cm^2) ($0.7 \text{ mg}/\text{cm}^2$ in Los Angeles County) by XRF methods or $5,000 \mu\text{g}/\text{g}$ (0.5%) by laboratory testing, as defined in HUD Regulation and Lead-Base Paint Poisoning Prevention Act.

- EEE. **Washroom:** An area between the Work area and the holding area in the equipment decontamination area.
- FFF. **Wet Cleaning:** The process of eliminating lead-based paint contamination from building surfaces and objects by using cloths, mops, or other cleaning tools that have been dampened with water, and by afterwards disposing of these cleaning tools as lead contaminated waste.
- GGG. **Wet Wall:** Shall refer to walls which contain plumbing fixtures and/or pipes, including both supply and sanitary lines.
- HHH. **Wipe Sampling:** The process of collecting and analyzing lead material from a specific surface area to determine residual lead levels.
- III. **Work Area:** Designated rooms, spaces, or areas of the Project in which lead-based paint abatement actions are to be undertaken or which may become contaminated as a result of such abatement actions. A contained work area is a work area that has been sealed, plasticized, and equipped with a decontamination enclosure system. A non-contained work area is an isolated or controlled-access work area that has not been plasticized nor equipped with a decontamination enclosure system.
- JJJ. **Worker Decontamination Facility:** That portion of a decontamination facility designed for controlled passage of workers, and other personnel and authorized visitors, typically consisting of a clean room, a shower room, and an equipment room.

1.4 **APPLICABLE DOCUMENTS:**

The current issue of each document shall govern. Where conflict among requirements or with these Specifications exists, the more stringent requirements shall apply.

A. **Regulations:** Comply with all codes, regulations, and references applicable to lead abatement work include but are not limited to the following:

1. All Federal, State, Local, and South Coast Air Quality Management District regulations.

2. American National Standards Institute (ANSI) publications;

Z9.2-79 Fundamentals Governing the Design and Operation of Local Exhaust Systems

Z87.1-79 Occupational and Educational Eye and Face Protection

Z88.2-80 Practices for Respiratory Protection

Z89.1-81 Requirements for Protective Headgear for Industrial Workers

Z41-83 Personal Protection - Protective Footwear

- Z88.6-84 Respiratory Protection Respiratory use Physical Qualifications
for Personnel
3. American Society for Testing and Materials (ASTM) publications;
- D1 331-56 Surface and Interfacial Tensions of Solutions of Surface Active
Agents.
4. Code of Federal Regulations (CFR);
- 29 CFR 1910 General Industry Standard
- 29 CFR 1910.1025 Lead Standard for General Industry
- 29 CFR 1910.134 Respiratory Protection
- 29 CFR 1910.1200 Hazard Communication
- 29 CFR 1910.245 Specifications for Accident Prevention (Signs and
Tags)
- 29 CFR 1926 Construction Industry Standards
- 29 CFR 1926.62 Construction Industry Lead Standard
5. Code of Federal Regulations (CFR) (cont'd);
- 40 CFR Part 261 United States Environmental Protection Agency
Regulations
- 40 CFR Part 745 Residential Property Renovation
- 24 CFR Parts 35-37 HUD Lead-Based Paint Regulations.
6. Compressed Gas Association, Inc.
- G-7.1 Commodity Specification for Air
7. National Fire Protection Association (NFPA)
- No. 70. National Electrical Code
8. UL 586-77 (R1 982) Test Performance of High Efficiency Particulate Air Filter
Units (June 10, 1977, 5th Ed.; Rev. March 12, 1982)
9. National Institute for Occupation Safety and Health (NIOSH)
- N31, 3rd. Ed., Vol. 1, Manual of Analytical Methods, Method 7082.
10. Environmental Protection Agency Documents:

EPA 530-SW-85-007	Lead Waste Management Guidance, May 1985
EPA 560/5-85-024	Guidance for Controlling Lead-Base Paint in Buildings, June 1985
EPA 600/4-85-049	Measuring Airborne Lead Following and Abatement Action, November 1985
EPA 560 OPTS-86.001	A Guide to Respiratory Protection for the Lead Abatement Industry, April 1986

11. California Administrative Code (CAQ):

Title 8, Article 2.5, Sections 341.6 - 341.14, Registration Lead-Related work

Title 8, Section 5216, General Industry Safety Orders, Lead Regulations

Title 8, Section 1532.1, Cal/OSHA Construction Safety Orders, Lead

Title 8, Section 3203, Cal/OSHA Injury and Illness Prevention Program

Title 17, Division 1, Chapter 8, Accreditation, Certification, and Work Practices for Lead-Based Paint and Lead Hazards

12. California Administrative Code (CAQ) (cont'd):

Title 22, Division 4, Minimum Standards for Management of

Chapter 30 Hazardous and Extremely Hazardous Waste

13. South Coast Air Quality Management District Regulations

Rule 1420, Emissions Standard for Lead

14. Los Angeles County Code

Title 11, Health and Safety, Chapter 11.28, Lead Hazards

Title 12, Environmental Protection

1.5 SUBMITTALS AND NOTICES:

Prior to commencement of work and/or within the time-frames specified below:

A. **General:** Requirements are as set forth in the General Conditions and Supplementary Conditions for items required to be submitted under this section.

B. **Product data:** Shall include manufacturer's product data, specifications, samples and application instructions and other pertinent information as necessary.

- C. **Alternatives:** Product substitution submittal shall be in accordance with the General Conditions and Supplementary Conditions.
- D. **Procedure Plans and Shop Drawings:** Submit to the Owner's consultant Procedure Plans and Shop Drawings and ensure that they are in compliance with this Specification and applicable regulations. Shop Drawings will include: construction of decontamination enclosure systems and/or facilities; isolation of the Work areas; placement of negative air machines and their exhaust, emergency exits, and placements of fire extinguishers and first aid kits.
1. Personnel monitoring procedures in accordance with T8 CCR 1532.1
 2. Phasing of abatement work indicating daily roster of workers for each phase.
 3. Security system warning signs locations in accordance with 29 CFR 1910.245, and T8 CCR 1532.1.
 4. Detailed plans for decontamination facilities, toilets, and systems providing inter-room and work area to outside communication showing connections to existing building.
 5. Standard procedures for protecting workers, visitors, and employees and protection of spaces outside work area from contamination.
 6. Engineering systems exposure control indicating number, location, and capacity of supply and exhaust systems, the expected direction of flow, and the range of expected negative air pressure in each area.
- E. **Qualifications:** Within 10 days from Notice to Proceed, submit the following documents:
1. **License:** Submit copy of current contractor license from the California Contractors State License Board.
 2. **Personnel Training-Superintendent and Foreman:** Submit copy of certificates of completion from a training course in lead abatement project supervision offered by a California accredited educational institution, and a copy of certification from California Department of Public Health (CDPH) as a lead supervisor. Copies of these documents shall be maintained in the Project Logbook. Substitutions may be made by written notice to Owner's consultant.
 3. **Personnel Training-Workers:** Submit copy of certificates of completion from a training course in lead abatement project supervision offered by a California accredited educational institution, and a copy of certification from California Department of Public Health (CDPH) as a lead worker. Copies of these documents shall be maintained in the Project Logbook. Substitutions may be made by written notice to Owner's consultant.
 4. **Personal Protection and Exposure Understanding:** Submit documentation to the Owner's consultant indicating that each employee has had instruction on the

hazards of lead exposure, on use and fitting of respirator, on protective dress, on use of showers, on entry and exit from work areas, and on all aspects of work procedures and protective measures and understands this instruction.

5. **Respirators:** Submit a written standard operating procedure governing selection, fit-testing, and use of respirators in accordance with 29 CFR 1910, Subpart 1, 29 CFR 1926.1101, CGAI Standard G7.1, ANSI Z88.2, and Z88.6. Also submit manufacturer's certification that the respirators to be used in this project comply with these regulatory requirements.
6. **Medical Examination:** Submit proof that personnel who will be entering contaminated areas have had medical examinations, and furnish the results of said exam to Owner's consultant. Comply with 29 CFR 1910.20 for access to employee exposure and medical records.
 - a. **Exam and History:** Before exposure to lead, provide each employee with a comprehensive medical exam meeting the general definition outlined in California Administration Code Title 8, CCR. No employee shall be allowed to enter the Work Area without having first provided a copy of his or her Medical History to the Owner's Representative.
 - b. **Employee Roster:** Submit an employee roster to Owner's consultant for each Work shift and confirm in writing within 24 hours of commencement of shift. The roster will consist of a list of employees who have received training and medical examinations per paragraphs Part 1.5, E.2, E.3, E.5, and E.6 of this section. A copy of this list is to be maintained in the Project Logbook.

F. **Notifications, Permits, Communications and Postings.**

1. **Submit copies of notifications to all appropriate Government agencies, including the following:**
 - a. CAL-OSHA (310) 949-7827 Notification shall be in accordance with the Section 341.9 of Title 8 of California Administrative Code.
 - b. California Department of Public Health, Childhood Lead Poisoning Prevention Branch (if applicable - 5 days prior to work).
 - c. Copies of Government agency correspondence shall be included in the submittals.
 - d. Where local police and fire departments have jurisdiction, secure approval of the proposed security and safety plans for the work prior to submittal to Owner's Representative. Contact both departments for the requirements of the approval process.
2. **Proof of Permits, Site Requirements, and Disposal of Waste:** Submit proof satisfactory to the Owner's consultant that all required testing, permits, site location, and arrangements for transport and disposal of lead-coated or contaminated materials, supplies, and the like have been obtained.

3. **Safety Compliance:** In addition to detailed requirements of this Specification, comply with laws, ordinances, rules, and regulations of federal, state, regional, local authorities, and of Owners regarding handling, storing, transporting, and disposing of lead waste materials. Comply with applicable requirements of the current issue of 29 CFR 1910. 29 CFR 1926.62, and 40 CFR 261, 40 CFR. Parts 35, 36, 37, and CAC Section 5208. Submit matters of interpretation of standards to the appropriate administrative agency for resolution before starting Work. Where requirements of this Specification and reference documents vary, the most stringent requirement shall apply.
4. **Availability of Regulatory References:** Contractor shall have at least one copy each of 29 CFR 1910; 29 CFR 1910.134; 29 CFR 1926; 40 CFR Part 261; and CAC, Title 8, Section 5208, at his or her office and also at the job site.
5. **Posting of Caution Signs:** Before the commencement of any Work at the site, post bilingual EPA and CAL-OSHA caution signs in and around the Work Area to comply with EPA and OSHA regulations.
6. **Submit Training and Certifications:** All lead workers assigned to this project must be accredited as a Lead Worker under the California Department of Public Health (CDPH). At least one employee on each shift shall be currently accredited as a Supervisor and shall have successfully completed in the last 12 months a course of instruction meeting the requirement for "Competent Person." At least one employee on each shift shall be currently accredited in accordance to the Environmental Protection Agency's (EPA) Renovation, Repair, and Painting (RRP) regulation. In addition, Hazardous Material Contractor must also be certified as a firm in accordance with the EPA's RRP regulation
7. **Project Logbook Submittals:** Submit front-end documents of Project Logbook. These documents will include copies of the Contractor's Respiratory Protection Program, HUD and OSHA documents, worker decontamination procedures, equipment decontamination procedures, authorized personnel list, format of daily report sheets, test reports on waste materials, and format of waste manifests. The completed daily reports and waste manifests shall be submitted along with pay requests for completed work. Copies of these front-end documents shall be maintained at the site during the lead removal phase of the Project.
 - a. The Superintendent is required to keep the Project Logbook up to date, ensure that all work criteria is followed in the proper sequence, and to fill out the enclosed check list to document the progression of the job. A separate checklist will be required for each individually prepped work area.
8. **Property Condition Assessment:** Owner, Architect/Engineer or Owner's consultant, and Contractor must agree in writing on building and fixture condition prior to commencement of Work. The Contractor shall submit an inventory of all items removed from the Work area and an inventory of all items remaining in the Work area.
9. **Informing Other Trades:** The lead abatement contractor must inform other employers on site of the nature of the Contractor's work with lead-based paint and

the existence of and requirements pertaining to regulated areas. Such notification shall be coordinated with, and approved by, the Owner.

10. **Pressure Strip Recordings:** At the termination of the project, submit copies of all pressure strip chart recordings.

G. **Field Air Sampling:**

Personal monitoring and other monitoring which is required by law or considered necessary by the Contractor for Worker protection shall be the responsibility of the Contractor and performed by Contractor's Air Sampling Professional.

H. **Certifications:**

1. **Equipment Certification:** Submit manufacturer's certification that vacuums, negative air pressure equipment filters, and other local exhaust ventilation equipment conform to ANSI Z9.2, as well as all Federal, State, Local, and SCAQMD regulations (permit to construct).
2. **Rental Equipment:** When rental equipment is to be used in removal areas or to transport waste materials, a copy of the written notification provided to the rental company informing them of the nature of use of the rented equipment shall be submitted to the Owner's representative or Owner and signed by the rental company.

1.6 **PERSONAL PROTECTION AND SAFETY:**

- A. **General:** The Contractor alone shall be responsible for the safety, efficiency, and adequacy of his or her plant, appliances, methods, and for any damages which may result from his or her operations, improper construction practices, or maintenance. He or she shall erect and properly maintain at all times as required by the conditions and progress of the Work, proper safeguards for the protection of workmen and the public and shall post warning signs around the job site.

B. **Personal Protective Equipment:**

1. Provide workers and authorized visitors with sufficient set of protective full body impervious protective clothing. Personal Protective Equipment shall comply with the requirements of 29 CFR 1910, Subpart I., and Title 8 CCR Section 1532.1.
2. Work clothes shall consist of fire retarding, disposable, full-body coveralls, head covers, boots, rubber gloves, and steeled-toe boots or equivalent in accordance with 29 CFR 1926.134, and ANSI Z41. Sleeves at wrists and cuffs at ankles shall be secure.
3. Provide eye protection and hardhats as required by applicable safety regulations and shall conform to ANSI 87.1 and 89.1.

C. **Respiratory Protection Requirements:**

1. Disposable (single use) respirators are not to be worn for protection against lead.

2. **Providing of Equipment:** Provide all workers, foremen, superintendents, authorized visitors, and inspectors personally issued and marked respiratory equipment approved by NIOSH. When respirators with disposable filters are employed, provide sufficient filters for replacement as recommended by manufacturers or this specification. Selection of respirators shall be made according to the guidance of 29 CFR 1910.134; Title 8 CCR Section 1532.1; ANSI Z88.2; CGAI G7.1; EPA 560 OPTS-86.001; and Table I of this section. The Contractor shall provide masks, new in the box, in all sizes produced by the respirator manufacturer (one each). These masks shall be provided for the exclusive use of the Owner's representatives and shall be available at all times.
3. **Approved Respirators:** Contractor will ensure that all respirators used shall be selected from those approved by National Institute of Occupational Safety and Health (NIOSH) for use in atmospheres containing lead, solvents, removers, and against other toxic materials which may be used during the project.
4. **Powered Air-Purifying Respirators (PAPR) usage:** Full containment work activities associated with the abatement of materials coated with lead-based paint where lead containing dust particulates are expected (i.e., sand blasting) shall be conducted while wearing, at a minimum, a full facepiece, powered air-purifying respirator equipped with HEPA filters during the following tasks or under the following conditions:
 - a. During removal of lead-containing materials.
 - b. During all cleanup and wipe-down of area.
 - c. During final wipe down of work space.
 - d. At any time that air monitoring levels indicate that lead concentrations are at least 500 $\mu\text{g}/\text{m}^3$ or greater.
 - e. Any situation where gross contamination has occurred because of a tear or rupture in the containment and air sampling indicates airborne lead levels have exceeded 500 $\mu\text{g}/\text{m}^3$.
5. **1/2 Face Respirator Usage:** For the following tasks or conditions a 1/2 mask air-purifying respirators equipped with high efficiency filters may be used:
 - a. Provided maximum airborne lead concentration outside the respirator is at or below 250 $\mu\text{g}/\text{m}^3$.
 - b. During intact component removal, paint film stabilization (loose and flaky paint) work.
 - c. Pre-construction sealing of openings and penetrations to the work areas with plastic sheeting.
 - d. Decontamination of removable items.

- e. Loading lead-containing drums on truck for transportation and unloading bags at approved landfill.

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Table 1. Respiratory Protection for Lead Aerosols

Airborne concentration of lead or condition of use	Required Respirator
Not in excess of 500 µg/m ³	*1/2 mask air purifying respirator with high efficiency filters. 2,3 *1/2 mask supplied air respirator operated in demand (negative pressure) mode.
Not in excess of 1,250 µg/m ³	* Loose fitting hood or helmet powered air-purifying respirator with high efficiency filters. *Hood or helmet supplied air respirator operated in a continuous - flow mode - e.g., type CE abrasive blasting respirator operated in a continuous - flow mode.
Not in excess of 2,500 µg/m ³	* Full facepiece air purifying respirator with high efficiency filters. *Tight fitting powered air-purifying respirator with high efficiency filters. *Full facepiece supplied air respirator operated in demand mode. *Full facepiece self-contained breathing apparatus (SCBA) operated in demand mode.
Not in excess of 50,000 µg/m ³	*1/2 mask supplied air respirator operated in pressure demand or other positive - pressure mode
Not in excess of 100,000ug/m ³	*Full facepiece supplied air respirator operated in pressure demand or other positive-pressure mode - e.g., type CE abrasive blasting respirators operated in a positive - pressure mode.
Greater than 100,000 µg/m ³ unknown concentration, or fire fighting.	*Full facepiece SCBA operated in pressure demand or other positive - pressure mode.

* Greater respiratory protection is always acceptable regardless of lead concentrations.

6. **Type "C" Respirator Usage:** When Type "C" respirators are not required according to 29 CFR 1926.134, Title 8 CCR, Section 1532.1, or this specification, (whichever is more stringent), provide sufficient quantity of filters jointly approved by NIOSH for use in **lead and other** environments so that workers can change filters as required by manufacturer during the workday. Filters shall not be used any longer than one workday. Respirator filters shall be stored at job site in clean room and shall be totally protected from exposure to lead and other hazardous materials prior to their use.
7. **Air Supply Compressors:** Compressors shall meet the requirements of 29 CFR 1910.134 and the following:
 - a. Periodic inspection of the carbon monoxide monitor shall be evidenced.
 - b. Documentation of adequacy of compressed air system/respiratory protection system shall be retained on site. Documentation shall include a list of compatible components with the maximum number and type of respirators that may be used with the system.
 - c. The full facepiece, type "C" supplied-air respirator system shall be fully approved by appropriate regulatory agencies. The compressor shall be specifically for breathing air and have alarms to indicate compressor failure, and overheating. Compressor(s) shall have in-line air-purifying sorbent beds and filters to assure breathing air quality (Grade "D" or better for oil lubricated compressors; Grade "H" or better for electric compressors). The air supply system shall have safeguards to allow for sufficient capacity to allow workers to escape if the air system fails. If an oil-lubricated compressor is used, it shall have a high-temperature or carbon monoxide alarm, or both. If only a high-temperature alarm is used, a carbon monoxide converter shall be used.
 - d. The compressor intake shall be designed so as to avoid entry of contaminated air into the system either from the compressor exhaust or other sources of potential contamination. Periodic testing of compressed air shall ensure that systems provide air of sufficient quality.
 - e. A pressure-indicating gauge shall be placed at the point of connection (distribution point) where the respirator supply hose (which is a part of the approved facemask/hose system) is attached to the air filtration system or any supply manifold which is located between the mask/hose apparatus and the compressor/filter system. The pressure gauge shall be capable of measuring pressure levels that are consistent with those specified by the respirator operating specifications.
 - f. The correct pressure level shall be verified at each distribution point each time the system is engaged. The air supply system will be operated only when operating specifications are maintained.

8. **Fit Testing:** Air respirators shall be fit-tested utilizing isoamyl acetate at the beginning of each project or a minimum of every 12 months as described in Appendix C, 29 CFR 1926.58. Either Isoamyl Acetate Protocol or other similar regulatory protocol may be used.

D. **Bilingual Worker protection procedures (Posted in both English and Spanish):** Adequate shower facilities shall be provided by the Contractor. An employee leaving the Work area shall follow all decontamination procedures necessary or as described herein.

1. **Posted Procedures:** Provide and post, in the Equipment Room and the Clean Room, the decontamination and work procedures to be followed by workers and authorized visitors as described in these Specifications.
2. **Entering the Work Area:** Each worker and authorized visitor shall, upon entering the job site: put on a respirator and clean protective clothing before entering the Equipment Room or the Work area. Clothing that is appropriate for weather and temperature conditions shall be worn under the protective clothing.
3. **Personnel Exiting the Work Area:**
 - a. Ensure that personnel do not leave work areas through the equipment decontamination enclosure.
 - b. All workers and authorized visitors shall, each time they leave the Work area; remove gross contamination from clothing before leaving the Work area using a HEPA vacuum; proceed to the Equipment Room and remove all clothing except respirators by carefully rolling down the garment to reduce exposure to dust; clean the outside of the respirator with soap and water while showering; remove the respirator; and thoroughly shampoo and wash themselves
 - c. Following showering and drying off, each Worker shall proceed directly to the clean change room and dress in clean clothes at the end of each day's Work, or before eating, smoking, or drinking. Before re-entering the Work Area from the clean-change room, each Worker and authorized visitor shall put on a clean respirator and shall dress in clean protective clothing.
 - d. Before re-entering the Work area from the Clean Change Room, each worker and authorized visitor shall put on a clean respirator and shall dress in clean protective clothing.
 - e. All workers and authorized visitors shall, at the end of the work day; place disposable clothing in the abatement waste; clean protective gear, including respirators, according to standard procedures; wash hands and face again; proceed to the shower facilities, being certain to wash hair.
 - f. Workers shall not eat, drink, smoke, or chew gum or tobacco while in the Work area.

- g. Workers shall be fully protected with respirators and protective clothing from the time of first disturbance of lead-coated or contaminated materials prior to commencing actual lead abatement and until final cleanup is completed.
4. **Equipment removal procedures:** Clean surfaces of contaminated containers and equipment thoroughly by wet sponging or wiping before moving such items into the equipment decontamination enclosure system washroom or through the shower for final cleaning and removal to uncontaminated areas.
- a. Contaminated work footwear shall be stored in the Equipment Room when not in use in the Work area. Upon completion of lead abatement, dispose of footwear as contaminated waste.
 - b. Workers removing waste containers from the equipment decontamination enclosure shall enter the holding area from outside wearing a respirator and be dressed in clean disposable coveralls. No worker shall use this system as a means to leave or enter the washroom or the Work area.
5. **Safety Issues:**
- a. During the removal operations the Contractor may be placing his workers in a potentially hazardous electrical environment. Care and special consideration should be exercised by the Contractor to avoid electrical shock to his or her employees. The requirements as set forth in the latest edition of the National Electrical Code shall be adhered to at all times. Particular emphasis shall be placed on the requirements listed in Article 210-BRANCH CIRCUITS, Article 225-OUTSIDE BRANCH CIRCUITS AND FEEDERS, Article 250-GROUNDING, Article 300-WIRING METHODS, and Article 305-TEMPORARY WIRING, whenever and wherever the existing electrical power service shall be de-energized and temporary electrical power utilized.
 - b. During summer work activities the Work area environment may be very hot and humid. The Contractor shall take precautions to protect his or her workers from the hostile environment as well as the lead material. First-aid items such as stretchers, water, and cold packs should be kept adjacent to the Work area exits, thus allowing any personnel requiring emergency treatment egress from the Work area with minimum contamination to the clean environment. No worker shall be allowed to reach through the plastic or air lock door to get water or firstaid supplies during break periods inside the Work area. Breaks, lunch or worker rest periods should be held outside the Work area. All decontamination procedures shall be followed prior to exiting the Work area except in extreme emergencies.
 - c. During cold weather periods the workers shall be provided with adequate protection from the environment to not cause harm to the workers.
 - d. If evacuation of the Work area is required by contaminated personnel due to an emergency, all work efforts shall stop, and all forces shall be directed at minimizing the area contamination, cleanup operations and first-aid procedures. These activities shall be noted in the daily logbook.

- e. During work activities requiring decontamination procedures, the Contractor shall provide a means of communication for the workers inside the Work area without requiring personnel to enter or leave the Work area. This method of communications shall be a two-way radio, localized wire-connected telephone, or similar system. This communication system shall remain intact until the final containment plastic is removed. Then all equipment shall be wiped down, HEPA vacuumed or disposed of as lead-contaminated material.

E. Posting of Warning Signs:

1. Post two safety warning signs which follow the "Sample Format Warning Sign" shown below:

Sample Format Warning Sign
Minimum Size - 24" x 36"
Material - Aluminum or Fiberglass
Script:

DANGER
LEAD WORK AREA
MAY DAMAGE FERTILITY OR THE UNBORN CHILD
CAUSES DAMAGE TO THE CENTRAL NERVOUS SYSTEM
DO NOT EAT, DRINK OR SMOKE IN THIS AREA

F. Emergency Precautions and Procedures:

1. Establish emergency and fire exits from the Work Area. Emergency exits shall be equipped with 2 full sets of protective clothing and respirators.
2. Local medical emergency personnel, both ambulance crews and hospital emergency room staff, shall be notified prior to commencement of abatement operations as to the possibility of having to handle contaminated or injured Workers, and shall be advised on safe decontamination.
3. Contractor shall be prepared to administer first aid to injured personnel after decontamination. Seriously injured personnel shall be treated immediately or evacuated without delay for decontamination. When an injury occurs, the Contractor shall stop Work and implement fiber reduction techniques (e.g., water spraying) until the injured person has been removed from the Work Area.
4. Before starting actual removal of lead material(s), local police and fire departments shall be notified as to the danger of entering the Work Area. The Contractor shall make every effort to help these agencies form plans of action should their personnel need to enter the contaminated area.

1.7 SUPERINTENDENT, FOREMAN, CRAFTSMAN:

The Contractor shall have a job superintendent present at all times while work on this Contract is in progress.

The Project Superintendent (Competent person) shall be thoroughly familiar and experienced with lead removal and related work and shall be familiar with and shall enforce the use of all safety procedures and equipment. He or she shall be knowledgeable of all HUD, EPA, OSHA (Federal and State), and NIOSH requirements and guidelines. He or she shall be trained and certified by CDPH in the proper use of all personal protection and safety equipment including, but not limited to, air purification and respiratory systems.

In addition to the Superintendent, the Contractor shall furnish one or more foremen who are familiar and experienced with lead removal and its related work, safety procedures, and equipment. The Foreman shall be the Competent person when the Superintendent is not present.

- A. It shall be a requirement of this Contract that the superintendent and/or one or more of the Contractor's foremen be in the Work area at all times while work is in progress.
- B. It is the intent of these Specifications that all phases of the Work shall be executed by skilled craftsmen experienced or receiving training by experienced personnel in each respective trade.
- C. All superintendents and foremen shall have been trained by attending an appropriate HUD approved Lead-Based Paint Supervisor training course and satisfactorily passing a California State Department of Public Health Services (CDPH) sanctioned examination for the above stated training program. Only formal training programs will be accepted. Current CDPD certification as a lead supervisor is required.
- D. Workers shall, at a minimum, receive the appropriate classroom training program covering the topics listed in the HUD guidelines and the OSHA standard and shall have an additional 8 hours of hands-on training prior to beginning abatement work. Training will be through an appropriate HUD approved Lead-Based Paint work training course. Only formal training programs will be accepted. Current CDPD certification as a lead worker is required
- E. The Competent person on-site must be able to clearly communicate in a manner so that the Owner's Consultant and Owner can clearly understand.

PART 2 - MATERIAL AND EQUIPMENT

2.1 MATERIALS:

- A. **Packaging:** Deliver all materials in the original packages, container, or bundles bearing the name of the manufacturer and the brand name.

- B. **Storage:** Store all materials subject to damage off the ground, away from wet or damp surfaces, and under cover sufficient to prevent damage or contamination. Damaged or deteriorating materials shall not be used and shall be removed from the premises. Material that becomes contaminated with lead shall be disposed of in accordance with the applicable regulations.
- C. **Chemical removers:** Shall not contain methylene chloride. Chemical removers shall be compatible with and not harm the substrate they are applied to. Chemical removers used on masonry surfaces shall contain anti-stain formulation that inhibits the discoloration of stone, granite, brick, and other masonry construction. Chemical removers used on interior surfaces shall not raise or discolor the surface being abated.
- D. **Chemical stripping agent neutralizers:** May be used on exterior surfaces only. Neutralizers shall be compatible with and not harm the substrate to which they are applied. Neutralizers shall be compatible with the stripping agent that has been applied to the surface substrate.
- E. **Plastic:** (Fire retardant polyethylene) Sheet, of 6-mil thickness or greater as specified in sizes to minimize the frequency of joints.
- F. **Tape:** Capable of sealing joints of adjacent sheets of polyethylene and for attachment of polyethylene sheet to finished or unfinished surfaces of dissimilar materials and capable of adhering under both dry and wet conditions. Use tape with tough backing that does not leave residue on the adhering surface.
- G. **Phosphate Wash (TSP Wash):** Shall consist of a solution containing at least one ounce of 5 percent trisodium phosphate (TSP) to each gallon of water.
- H. **Impermeable containers:** Suitable to receive and retain any lead-coated or contaminated materials until disposal at an approved site, labeled in accordance with OSHA Regulation 29 CFR 1910.1025 and DOT 49 CFR 171-177. Containers must be both air and watertight and must be resistant to damage and rupture. Plastic bags shall be a minimum of 6-mil thick.
- I. **Warning labels and signs:** As required by 29 CFR 1926, 29 CFR 1910.245, and Title 8 CCR, Section 1532.1.
- J. **For bridging encapsulant use:**
 - 1. Encapsulant to be specified and approved by Owner's representative
- K. **Encapsulants/primers:**
 - 1. Encapsulant to be specified and approved by Owner's representative
- L. **Surfactants:** Or wetting agent, for amending water will be 50 percent polyoxyethylene ether and 50 percent polyoxyethylene ester, or equivalent, at a concentration of one ounce per 5 gallons of water.

- M. **Other materials:** Provide all other materials, such as lumber, nails, and hardware that may be required to construct and dismantle the decontamination area and the barriers that isolate the Work area.

2.2 TOOLS AND EQUIPMENT:

- A. **Tools:** Provide suitable tools for lead-based paint removal.
- B. **Air filtration equipment:** High efficiency particulate air (HEPA) filtration systems shall be equipped with filtration equipment in compliance with ANSI Z9.2-79, local exhaust ventilation or equal. No air movement system or air filtering equipment shall discharge unfiltered air outside the Work area. If volatile chemicals are used, use manufacturer's guidelines and provide appropriate filters for solvent vapor or other organic based material use.

PART 3 - EXECUTION

3.1 PREPARATION (Interior Areas):

- A. **Separation of work areas from occupied areas as directed in the Scope of Work:**
1. **Reference:** Contractor will use the applicable procedures as outlined in Section 01010 HM or, if none, use those contained within. Where conflict among requirements (e.g., other concurrent work) or with these Specifications exists, the more stringent requirements shall apply.
 2. **For areas requiring constructed barrier walls:** Separate parts of the building required to remain in use (as shown on Plans) from parts of the building that will undergo lead-containing or lead-based paint removal by means of airtight barriers, constructed as follows:
 - a. Build suitable wood or metal framing and apply 3/8 inch minimum thickness sheathing on work side only, unless noted otherwise.
 - b. Cover both sides of partition with double layer of plastic sheet with joints staggered and sealed with tape. Edges of partition at floor, walls, and ceiling shall be caulked airtight.
 3. **Electrical Shut-down:** Shut down electric power which serves the Work area. Provide temporary power and lighting and ensure safe installation of temporary power sources and equipment per applicable electrical code requirements.
 4. **HVAC Shut-down:** Shut down and isolate heating, cooling, and ventilating air systems to prevent contamination and fiber dispersal to other areas of the structure. Physically blank off, with light gage metal, all supply and return air ductwork which leads to and from an isolated work area when the air-handling unit serves areas other than within the isolated work area.

5. **Seal off openings:** Seal off all openings, including but not limited to windows, corridors, doorways, skylights, ducts, grills, diffusers, and any other penetrations of the Work areas, with plastic sheeting (minimum of 4-mils thick) sealed with tape.

B. Preclean work area:

1. **Moveable Objects:** Clean all moveable objects within the Work area using HEPA vacuum equipment and wet cleaning methods. Remove these objects from the Work area to a designated temporary storage location.

Protection of and accounting for the stored materials is the sole responsibility of the Contractor.

2. **Fixed Objects:** Preclean fixed objects within the proposed work areas, using HEPA vacuum equipment and/or wet cleaning methods as appropriate, and enclose with minimum of 6-mil polyethylene sealed with tape.
3. **Vacuum and Wet Methods:** Preclean the proposed work areas using HEPA vacuum equipment or wet cleaning methods as appropriate. Do not use methods that raise dust, such as dry sweeping or vacuuming with equipment not equipped with HEPA filters.

C. Prepare work area:

1. **Reference:** Contractor will use the applicable procedures as outlined in Section 01010 HM or, if none, use those contained within. Where conflict among requirements (e.g. other concurrent work) or with these Specifications exists, the more stringent requirements shall apply.
2. **Non-Contaminated Objects:** Remove and clean objects, such as lights and other items not previously sealed off, that may interfere with lead removal. Use HEPA vacuum equipment and wet methods during fixture removal to reduce lead dispersal. Wrap in plastic and store for reinstallation upon completion of testing procedures.
3. **Protection of Fixed Objects:** Protect all fixtures, grills, lockers, and other non-removable equipment from water. Also, protect painted surfaces and flooring.
4. **Plasticization:** Cover non-impacted floor, walls and ceiling surfaces with plastic sheeting sealed with tape. Use a minimum of two layers of 6-mil plastic on floors and two layers of 4-mil plastic on walls and ceilings. Cover floors first so that plastic extends at least 12 inches up on walls, then cover walls with plastic sheeting to the floor level, thus overlapping the floor material by a minimum of 12 inches.
 - a. All criticals (doors, vents, openings, wall penetrations, etc.) will be covered with 2 layers of 6-mil plastic and secured with duct tape to prevent leakage of air. If windows, doors, door frames, or other interior/exterior transitional items on which lead-based paint is to be removed, place 2 layers of 6-mil plastic just to the outside of the surface area to be removed. All exterior lead-based paint

removal is to be performed according to Section 9912, Lead-Based Paint Removal (Exterior).

- b. The second layer of floor sheeting may be black or dark in color. If floor coverings are scheduled for removal, per Plans and/or Scope of Work, floor plastic is not placed until after floor coverings are removed, which occurs during Lead Removal activities, paragraph 3.2.
 - c. All joints in the plastic sheeting shall have a minimum of 12 inches of overlap and shall be securely sealed with tape to prevent leakage of air and water.
5. **Emergency Exits:** Maintain emergency and fire exits from the Work areas, or establish alternative exits satisfactory to fire officials.
6. **Establish a reduced pressure in the Work area**
- a. **Determine the Ventilation Requirements:**

- (1) **General:** Provide fully operational negative pressure systems supplying a minimum of one air change every 15 minutes. Determine the volume in cubic feet of the work area by multiplying floor area by ceiling height. Determine total ventilation requirement in cubic feet per minute (cfm) for the work area by dividing this volume by the air change rate.

Ventilation Required (CFM) = Volume of work area (cu. ft.)/15 min.

- (2) **Number of Units:** Determine number of units needed to achieve 15 minute change-rate by dividing the ventilation requirement (CFM) above by capacity of exhaust unit(s) used. Capacity of a unit for purposes of this section is the capacity in cubic feet per minute with fully loaded filters (pressure differential which causes loaded filter warning light to come on) in the machines labeled operating characteristics.

$$\text{Number of Units Needed} = \frac{\text{Ventilation Requirement (CFM)}}{\text{Capacity of Unit with Loaded Filters (CFM)}}$$

Add one (1) additional unit as a backup in case of equipment failure or machine shutdown for filter changing.

- (3) **Location of Exhaust Units:** Locate exhaust unit(s) so that makeup air enters work area primarily through decontamination facilities and traverses work area as much as possible. This may be accomplished by positioning the exhaust unit(s) at a maximum distance from the worker access opening or other makeup air sources.

Place end of unit, or its exhaust duct, through an opening in the plastic barrier or wall covering. The plastic around the unit or duct shall then be sealed with tape.

- (4) **Venting or Exhaust:** Unless authorized in writing by the Project Coordinator, vent negative air exhaust to outside of building. Exhaust outlet shall be a minimum of ten feet above ground level.
- (5) **Supplemental makeup air inlets:** Provide where required for proper air flow through the work space in location approved by the Project Coordinator by making openings in the plastic sheeting that allow air from outside the building into the work area.
- (6) **Makeup Air Inlets:** Locate auxiliary makeup air inlets as far as possible from the exhaust unit(s) (e.g., on an opposite wall), off the floor, and away from barriers that separate the work area from occupied clean areas. Cover with flaps to reseal automatically if the negative pressure system should shut down for any reason. Spray flap and around opening with spray adhesive so that flap seals if it closes.

b. Use of the Negative Pressure System:

- (1) **General:** Each unit shall be serviced by a dedicated minimum 115V-20A circuit with overload device tied into an existing building electrical panel that has sufficient spare capacity to accommodate the load of all negative pressure units connected. Dedication of an existing circuit may be accomplished by shutting down existing loads on the circuit.
- (2) **Testing the System:** Test negative pressure system before any lead-containing material is wetted or removed. After the work area has been prepared, the decontamination facility set up, and the exhaust unit(s) installed, start the unit(s) (one at a time). Demonstrate operation and testing of negative pressure system to Project Coordinator.
- (3) **System Evaluation:** A demonstration of the negative pressure system to the Project Coordinator will include, but not be limited to, the following:
 - (a) Plastic barriers and sheeting move slightly in toward work area.
 - (b) Curtain of decontamination units move slightly in toward work area.
 - (c) There is a noticeable movement of air through the decontamination unit. Use smoke tube to demonstrate air movement from Clean Room to Shower Room, from Shower Room to Equipment Room, and from Equipment Room to Work Area.
 - (d) Use smoke tubes to determine a positive motion of air across all area in which work is to be performed.
 - (e) Use a differential pressure meter or manometer to demonstrate a pressure difference of at least 0.02 inches of water across every barrier separation the Work Area from the balance of the building or outside.
 - (f) Modify the negative pressure system as necessary to successfully demonstrate the above.

D. Decontamination Facilities:

1. **General:** Contractor will use the applicable procedures as outlined in Section 01010 HM or, if none, use those contained within. Where conflict among requirements (e.g., other concurrent work) or with these Specifications exists, the more stringent requirements shall apply.
2. **Construction Review:** Build suitable decontamination facilities described herein, as previously submitted for review, before start of construction.
3. **Air Locks and Access Doorways:** In all cases, access between contaminated and uncontaminated rooms or areas shall be through an air lock previously defined. Passage between any two rooms within the decontamination facility shall be through an access doorway.
4. **3-Stage Decontamination Enclosure:** Construct a worker decontamination enclosure system contiguous to the Work area consisting of three totally enclosed chambers to conform to standard Plans bound herein and as follows.
 - a. A shower room with two access doorways, one to the equipment room and one to the clean room. Plastic, if used, on shower room and adjoining equipment and clean rooms shall be opaque.
 - b. The shower room shall contain at least one shower with hot and cold or warm water. Careful attention shall be paid to the shower enclosure to ensure against leaking of any kind.
5. **Remote Decontamination Enclosures:** For remote decontamination systems (non-contiguous to the Work area) construction of the shower will conform to Section 02092 HM, Part 3.1, D1, above with the following modifications:
 - a. The enclosure need not be attached to the Work area, but clean room and equipment rooms must be clearly marked at their respective entrances.
 - b. A HEPA filtration machine must be attached to the equipment room and must be operational while the decontamination unit is in use.
6. **Equipment Decontamination Enclosures:** For an equipment decontamination enclosure facility, construct two totally enclosed chambers as follows:
 - a. A washroom, constituting an air lock, with an access doorway to a designated area of the Work area and an access doorway to the holding area.
 - b. A holding area, constituting an air lock, with an access doorway to the washroom and an access doorway to an uncontaminated area.
7. **Entry/Exit systems:** All decontamination systems or entry/exit system air locks will be constructed using Z-flap design incorporating 2 layers of 6-mil plastic with the flaps extending the full height and width of the entrance space.

E. Maintenance of enclosure system:

1. Ensure that barriers and plastic linings are effectively sealed and taped. Repair damaged barriers and remedy defects immediately upon discovery.
2. Visually inspect enclosures at the beginning of each work period.
3. Use smoke methods to test effectiveness of barriers when directed by Owner or representative of Owner.

F. Lead removal work shall not commence until:

1. Arrangements have been made for disposal of waste at an acceptable site.
2. Work areas and decontamination facility and parts of the building required to remain in use are effectively segregated.
3. Tools, equipment, and material waste receptors are on hand.
4. Arrangements have been made for building security.
5. All other preparatory steps have been taken and applicable notices posted and permits obtained.
6. Removal work will not begin until the Owner's consultant authorizes work to commence, in writing.

3.2 LEAD REMOVAL:

A. General: Prepare site per paragraph 3.1.

B. References: Contractor will use the applicable procedures as outlined in Section 01010 HM or, if none, use those contained within. Where conflict among requirements (e.g. other concurrent work) or with these Specifications exists, the more stringent requirements shall apply.

C. Negative pressure system during abatement Operations:

1. Start exhaust units before beginning work (before any lead-containing material is disturbed). After abatement work has begun, run units continuously to maintain a constant negative pressure until decontamination of the work area is complete. Do not turn off units at the end of the work shift or when abatement operations temporarily stop.
2. Start abatement work at a location farthest from the exhaust units and proceed toward them. If an electric power failure occurs, immediately stop all abatement work and do not resume until power is restored and exhaust units are in operation again.
3. At completion of abatement work, allow exhaust units to run, to remove airborne dust that may have been generated during abatement work and cleanup and to

purge the work area with clean makeup air. The units may be required to run for a longer time after decontamination, if dry or only partially wetted lead material was encountered during any abatement work.

D. Lead-Containing Materials Removal:

1. Ensure that the material is thoroughly soaked with amended water prior to removal.
2. Ensure that the air is misted thoroughly during the removal process.
3. Remove materials intact as much as possible.

E. Containerizing Waste:

1. **Daily Containerizing:** During each day's work, the bulk lead material shall be bagged in 6-mil thick bags, before it dries. No lead material shall be allowed to lie on the floor overnight.
2. **Types of Containers:** Place the bagged material in sealed containers (hard sealable containers).
3. **Labels:** Place caution labels on containers in accordance with OSHA Regulation 29 CFR 1910.1025 and DOT 49 CFR 171-177 if not already preprinted on containers.
4. **Cleaning:** Clean external surfaces of containers thoroughly by wet sponging in the designated area. Move containers to washroom, wet clean each container thoroughly, and move to holding area pending removal to uncontaminated areas. If the holding area is outside containment it will be a locked and secured area with appropriate warning signage at entrance. If holding area is within containment ensure that area is secure and appropriate signage is maintained.
5. **Safety:** Ensure that containers are removed from the holding area by workers who have entered from uncontaminated areas dressed in clean coveralls.

F. Post Removal Cleaning: After completion of stripping work (chemical or abrasive), all surfaces from which lead-based paint or lead containing material has been removed shall be wet brushed and sponged or cleaned by an equivalent method to remove all visible material. During this work, the surfaces being cleaned shall be kept wet. At the Contractor's option, the layer of plastic exposed to the lead may be removed, leaving intact the final layer of plastic.

G. Safety: Ensure that workers do not enter from uncontaminated areas into the washroom or the Work area; ensure that contaminated workers do not exit the Work area through the equipment decontamination enclosure system.

3.3 CLEANUP AND CLEARANCE MONITORING:

Employ the following procedures in cleaning up the Work area:

- A. **Wet Clean:** Wet-clean all surfaces and remove all visible accumulation of lead containing material from the Work area. Prepare the Work area for the initial visual inspection using a sequenced cleaning technique using HEPA vacuuming, a TSP washdown, and a second HEPA vacuuming.
- B. **Initial Visual Inspection:** Once the Work area is clean of visible accumulations of lead material, the Owner's consultant will perform the visual inspection. The Contractor will continue the HEPA vacuuming and washdown process until the area is visible clean.
- C. **Plastic Removal:** When the area is deemed clean by the Owner's consultant, remove plastic from all surfaces
- D. **For surfaces to be stabilized perform the following:**
1. As directed by Owner's Representative, lead painted surfaces shall be sealed with a non-lead containing encapsulating primer after the surface is clean and dry. Apply encapsulant using airless spray equipment or suitable paint applicator where a uniform coat can be applied.
 2. Prepare and apply encapsulating primer according to the manufacturer's specifications. Because application by spraying could cause dissemination of residual LBP, encapsulating primer must be applied with as much caution and at as low a nozzle pressure as possible.
 3. Encapsulating primer shall be applied according to manufacturer's specifications. Encapsulating primer shall be allowed to dry between coats, per manufacturer's recommendations.
 4. Upon completion of paint stabilization work, notify Owner's consultant in writing that stabilization surfaces are ready for review.
- E. **Final Visual Inspection:** Owner's consultant will conduct a thorough visual inspection to determine the completeness of encapsulation and use a damp cloth for wiping abated surfaces prior to collecting the actual wipe samples.
- F. **Clearance Wipe Testing:** Upon successful completion of the visual inspection and Owner's consultant's determination that all surfaces in the Work area are dry and free of contamination, the clearance wipe tests will be conducted. A certificate of Visual Inspection shall be issued by the Owner's Representative and shall be signed by both the contractor and the Owner's Representative.
1. The final wipe clearance test will consist of sampling and analysis in accordance with the HUD guidelines. The levels noted in the HUD Guidelines or Title 17, California Code Of Regulations, Division 1, Chapter 8 (whichever is more stringent at time of work) will be achieved prior to acceptance.
 2. Contractor shall continue cleaning the Work site until the accepted lead level is achieved.
- G. **Additional inspection/testing:** Additional inspection/testing required after the sequence detailed above will be the responsibility of the Contractor. In the event of

additional testing, the Contractor may reimburse Owner, or reduce the Contract amount by change order. It is the Owner's intent to have, at no charge to the Contractor, one set of inspections/tests performed in each area. A test may consist of one sample or a series of samples performed at the same time.

- H. **Dismantling the negative air system:** When a final inspection and the results of final wipe tests indicate that the area has been decontaminated, exhaust units may be removed from the work area. Before removal from the work area, remove and properly dispose of pre-filter, and seal intake to the machine with 6-mil polyethylene to prevent environmental contamination from the filters.

3.4 HANDLING AND DISPOSAL OF LEAD-COATED MATERIALS AND LEAD-CONTAMINATED WASTE:

Waste Characterization: Contractor shall submit to Owner's consultant, copies of waste characterization testing prior to transportation of all waste.

- A. **Storage:** Store all waste material in a lockable container that is inaccessible to all persons other than employee's of the Contractor. Until TCLP testing proves a category to be non-hazardous, all waste shall be considered hazardous, and stored as such. Any material found to be hazardous by way of testing shall be labeled "**Hazardous Waste - Contains Lead**" and the date that the Contractor began to collect the waste in that container. All hazardous and non-hazardous waste shall be kept in totally and completely separate containers.

B. Waste Segregation

1. All categories of waste identified in this specification shall be kept separate from each other. The categories that have been identified include:
 - a. Waste water from shower and cleaning operations
 - b. Disposable suits and respirator cartridges
 - c. Components that are painted with Lead-Based paint
 - d. Components that are lead-laden (e.g., ceramic tile)
 - e. Paint chips, debris and vacuum contents
 - f. Plastic sheeting, duct tape
 - g. Rags, sponges, mops and other items used to conduct clean up activities

- C. **Representative Samples:** Representative material of each of the categories must be sampled and submitted for testing to determine if the material in the category are hazardous.

1. Representative samples of waste materials shall be collected by the Consultant.

D. Waste Testing

1. At no time shall waste be removed from the site without the following documentation submitted to the Owner or Owner's representative for approval.
 - a. TCLP, STLC, and TTLC testing results as required by the specifications or according to local and state requirements.
 - b. Hazardous waste manifest for those materials identified as hazardous wastes.
 2. Testing of those categories of materials shall be performed to minimize the storage of assumed hazardous materials. Contractor shall collect at least one composite sample from each of the categories listed above in section 3.4.B, "Waste Segregation." The analysis shall be conducted to determine if any of the waste categories are classified as a RCRA hazardous waste. The Contractor shall determine if testing for other compounds, such as pH, Flashpoint, etc., are required for disposal at a particular landfill.
 3. If test results of the composite samples for any of the Waste Segregation categories indicate that the sampled materials are found to contain greater than the action levels indicated below, those materials represented by the composite sample shall be disposed of as Hazardous Waste.
 - a. Greater than or equal to 1000 PPM of the total Lead as determined by the Total Threshold Limit Concentration Procedure (TTLC) by EPA 6010.
 - b. Greater than or equal to five (5) PPM of soluble Lead as determined by the "California Wet Test" or Soluble Threshold Limit Concentration Procedure (STLC) by EPA 200.7.
 - c. Greater than or equal to five (5) PPM of leached Lead as determined by the Toxicity Characteristic Leaching Procedure (TCLP) by EPA 200.7
 4. All waste must be transported by a Certified Hazardous Waste Transporter.
 5. If the test results for any of the waste segregation categories indicate that less than the action levels listed above were detected, those materials represented by the composite sample may be disposed of as construction debris provided they do not meet any other criteria that would designate them as a hazardous waste.
 6. The Abatement Contractor will be required to comply with the Resource Conservation and Recovery Act (RCRA) and/or any other applicable state, county law, regulation and/or guidelines, whichever is the most stringent.
- D. Waste Transportation:** Submit the method of transport of hazardous waste including name, address, EPA I.D. number, and telephone number of transporter.
1. If the Abatement Contractor is not a RCRA/DOT/EPA certified Hazardous Waste Transporter, then a contract shall be entered into with a certified Transporter to move the waste. The Abatement Contractor shall require the certified hazardous waste transport firm to follow RCRA, DOT, EPA, and any/all other applicable regulations. Many transporters are also capable of supplying pertinent information and services applicable to necessary rules, regulations, and specifications. The

certified Transporter/hauler shall submit to the Owner or Owner's representative for approval their qualifications to perform the work as specified herein. The Abatement Contractor shall be responsible for the actions of the waste hauler as pertaining to waste removal and disposal under this section and all EPA, DOT, and other applicable regulations.

- E. **Hazardous Waste Site:** Submit for approval the name, class, address, EPA I.D. number, and telephone number of hazardous waste site(s) to be utilized for disposal.
1. The Abatement Contractor must supply documents that detail the site(s) to be used for ultimate waste disposal. Documents from these disposal sites must be supplied by the Abatement Contractor to the **Owner or Owner's representative** from the disposal facilities stating that hazardous and/or construction waste will be accepted by these facilities. In addition, the Abatement Contractor must submit documents from these sites proving that they are licensed/permitted to accept such waste and will accept the waste proposed by the Abatement Contractor for treatment or ultimate disposal.
- D. **Containers:** Containers to be loaded for transportation from the Holding Area must be removed by Workers who have entered from uncontaminated areas, dressed in clean overalls. Workers must not enter from the Holding Area into the Washroom or the Work Area.
1. Waste Containers – The Abatement Contractor will comply with EPA and DOT regulations for waste containers. The Abatement Contractor shall contact the State and Local authorities to determine their criteria for containers. In the case of any conflict in regulations, the more stringent regulation shall apply.
 - a. Paint Chips: The Abatement Contractor shall place lead-based paint fragments and debris produced as a result of any abatement activity, and lead dust in 6-mil polyethylene (plastic) bags that are air-tight and puncture-resistant.
 - b. Cleaning Materials: The Abatement Contractor will place all disposable cleaning materials such as sponges, mop heads, filters, disposable clothing, and brooms in six-mil plastic bags or sealable drums. If after testing, those materials are determined to be hazardous, the bags or drums will be sealed, labeled, and considered hazardous waste.
 - c. Contaminated Debris: In Particular, the Abatement Contractor shall separate, label, and containerize the following.
 - (1) All paint fragments removed by chemical strippers, surface preparation, or by any abatement methodology.
 - (2) Grossly contaminated body suits.
 - (3) HEPA vacuum contents, filters, and respirator cartridges: paint chips or other abatement debris on plastic should always be HEPA vacuumed prior to picking up the plastic.
 - (4) Dust/Debris or contaminated materials.

- (5) All hazardous waste or materials should be kept totally separate from non-hazardous materials.
 - (6) Polyethylene Sheeting: Prior to removing any six (6) mil polyethylene sheeting, the Abatement Contractor shall lightly mist the sheeting in order to keep dust down and remove and containerize any debris by folding the polyethylene sheeting inward to contain debris and to form tight bundles to containerize for disposal. The Abatement Contractor shall place all plastic sheeting in six (6) mil thick polyethylene bags or sealable drums, and seal with duct tape.
 - (7) Liquid Waste: The Abatement Contractor shall contain and properly dispose of all liquid waste, including lead-contaminated wash water. The container for waste waters shall be lined 55 gallon metal drums.
 - (8) Solvents: The Abatement Contractor shall place solvent residues and residues from strippers in drums made out of materials that cannot be dissolved or corroded by chemicals. Solvents will be tested by the Abatement Contractor to determine if they are hazardous. Solvents, caustic, and acid waste must be segregated and not stored in the same containers.
2. The Abatement Contractor shall HEPA vacuum the exterior of all waste containers prior to removing the waste containers from the work area and shall wet wipe the containers to ensure that there is no residual contamination. Containers should then be moved out of the work area into the designated storage area.
- F. **Disposal:** The sealed lead containers shall be delivered to Contractor's predesignated approved Hazardous Waste Site for burial; in accordance with Title 22, CAC, EPA guidelines and 40 CFR 61.156 and local Air Pollution Control District Regulations.
 - G. **Notification of Transport:** Notify the Owner's consultant **48 hours in advance** of the time when contaminated materials are to be removed from the site.
 - H. **Safety:** Contractor shall be responsible for safe handling and transportation of hazardous waste generated by this Contract to the designated Hazardous Waste Site.
 - I. **Hazardous Materials Spills:** Contractor shall hold the Owner and Owner's consultant harmless for claims, damages, losses, and expenses, including attorney's fees arising out of or resulting from, lead spills on the site or spills enroute to the disposal site.

3.5 REESTABLISHMENT OF OBJECTS AND SYSTEMS:

- A. **Relocation of Moveable Objects:** Relocate objects moved to temporary locations in the course of the Work to their proper positions. Only clean objects are to be moved into the areas.

- B. **Remounting Objects:** Remount objects removed in the course of the Work in their former positions. Repair any moveable or fixed objects damaged during the course of the Work.
- C. **Systems reestablishment:** Reestablish HVAC, mechanical, and electrical systems in proper working order.
1. Install new HVAC filters and dispose of used filters as contaminated waste.
- D. **Building repair/repaint:** Repair any damage to building, or building systems (electrical, mechanical, plumbing, etc.,) which was not noted in writing prior to work area preparation.
1. Repaint any areas damaged during the course of the Work unless this work is scheduled for repair by others. See paragraph 1.2 C, Related Work Specified Elsewhere, of this section. Quality of paint and workmanship shall be consistent with that found within the building prior to this Project, unless otherwise stated.

END OF SECTION

SECTION 02093 HM

INTERIM CONTROLS REGARDING LOOSE AND FLAKY PAINT (Paint Film Stabilization)

PART 1 - GENERAL

1.1 **SCOPE:**

This Specification covers the implementation of interim controls regarding the removal of loose and flaky lead-based paint from substrates as described in Section 01010 HM, Scope of Work.

1.2 **DESCRIPTION OF WORK:**

- A. The Work specified herein shall be the removal of loose and flaky lead-based paint by persons knowledgeable, qualified, and trained in interim controls for the removal, treatment, handling, and disposal of loose and flaky lead-based paint, and the subsequent cleaning of the affected environment, and who comply with Federal, State, and Local regulations and guidelines which mandate work practices, and who are capable of performing the Work of this Contract.
- B. **Contract Fulfillment:** The Contractor shall supply all labor, materials, equipment, services, insurance, and incidentals which are necessary or required to perform the Work in accordance with applicable governmental regulations and guidelines and these Specifications.

1.3 **TERMINOLOGY:**

See Section 02092 HM, Part 1.3 for Terminology.

1.4 **APPLICABLE DOCUMENTS:**

Comply with Section 02092 HM, Part 1.4 for Applicable Documents.

1.5 **SUBMITTALS AND NOTICES:**

Comply with Section 02092 HM, Part 1.5 for Submittals and Notices.

1.6 **PERSONAL PROTECTION AND SAFETY:**

Comply with Section 02092 HM, Part 1.6. It shall be modified in the following particulars only.

A. Respiratory Protection Requirements:

1. Disposable (single use) respirators are not to be worn for protection against lead.
2. For the following tasks or conditions, a 1/2 mask air-purifying respirator, equipped with high efficiency filters may be used:
 - a. Provided maximum airborne lead concentration outside the respirator at or below 500 $\mu\text{g}/\text{m}^3$:
 - b. Pre-construction sealing of openings and penetrations to the work areas with plastic sheeting.
 - c. Decontamination of removable items.
 - d. During removal of lead-containing materials.
 - e. During all cleanup and wipe down of area.
 - f. During final wipe down of work space.
 - g. Loading lead-containing drums on truck for transportation and unloading bags at approved landfill.
3. A full facepiece, powered air-purifying respirator equipped with HEPA filters will be required under the following conditions:
 - a. At any time that air monitoring levels indicate that lead concentrations are at least 500 $\mu\text{g}/\text{m}^3$ or greater.
4. All employees and visitors will wear appropriate filters for the work at hand. During chemical use, follow manufacturer guidelines for appropriate personal and respiratory protection.

B. Bilingual Worker Protection Procedures (Posted in both English and Spanish):

1. Each worker and authorized visitor shall: put on a respirator and don one suit of protective clothing before entering the Equipment Room or the Work area. Clothing that is appropriate for weather and temperature conditions is worn under the protective clothing.
2. Each time before leaving the work area, all workers and authorized visitors shall remove gross contamination from the protective clothing using a HEPA vacuum, then remove protective clothing except respirators by carefully rolling down the garment to reduce exposure to dust and place within a labeled hazardous material

6-mil plastic bag which is within the work area. Personnel will then proceed through to the washroom and clean the outside of the respirator with a wet disposable towel; remove the respirator; and thoroughly wet wipe themselves

3. Following wet wiping and decontamination procedures, each Worker shall proceed directly to the outside area at the end of each day's Work, or before eating, smoking, or drinking.
4. Before re-entering the Work Area, each Worker and authorized visitor shall put on a clean respirator and shall dress in clean protective clothing as described above.
5. Contaminated work footwear shall be stored in the Equipment Room or Work area in a labeled 6-mil bag when not in use in the Work area until they are appropriately decontaminated. Upon completion of lead work, dispose of footwear as contaminated waste unless they can be appropriately decontaminated. All porous type footwear will be disposed of as contaminated waste.
6. Workers removing waste containers from the equipment decontamination enclosure shall enter the holding area from outside wearing a respirator and dressed in clean disposable coveralls. No worker shall use this system as a means to leave or enter the washroom or the Work area.
7. Workers shall not eat, drink, smoke, or chew gum or tobacco while in the Work area.
8. Workers shall be fully protected with respirators and protective clothing from the time of first disturbance of lead-coated or contaminated materials prior to commencing actual lead abatement and until final cleanup is completed.

1.7 SUPERINTENDENT, FOREMAN, CRAFTSMAN:

Comply with Section 02092 HM, Part 1.7, Superintendent, Foreman, Craftsman.

PART 2 - MATERIAL AND EQUIPMENT

Comply with Section 02092 HM, Part 2.

PART 3 - EXECUTION

3.1 PREPARATION:

A. For exterior work, the contractor shall prepare the area as follows:

1. Doors and Windows: Doors and windows on the side of the building upon which a dust-generating method is being used, and on the same floor and all floors below, must be covered with 6-mil thick polyethylene sheeting.

2. Plants and ground: The ground and any plants or shrubs in the area in which exterior abatement is occurring shall be covered with two layers of 6-mil plastic in a tarp-like fashion, sufficiently bonded together to form a single layer and weighted at all edges so as to prevent blowing. A single 10-mil plastic sheet may be substituted. Such covering shall cover from the side of the structure to a point at least eight feet away from the structure for every story in height (10'). The covering shall be taped or otherwise attached to the structure.
 3. Ground covers shall always be placed in a manner that traps all debris and water. This is best accomplished by elevating the edges.
 4. The plastic ground cover shall be properly disposed of and not re-used.
- B. For exterior work where water blasting occurs, the contractor shall prepare the area as follows:
1. Critical Barriers shall be erected whereby all water and loose paint shall be contained within the Work Area.
 2. Ground: The ground shall be covered with 10-mil or 6-mil reinforced polyethylene and shall extend 18 inches vertically at all perimeter walls.
 3. Vertical Surfaces: A single layer of 6-mil polyethylene shall be constructed as a critical barrier on all vertical walls and shall overlap 12 inches on top of ground poly.
 4. Contractor shall contain all water within the enclosure. Contractor shall construct containment as to prevent water leakage from containment or into buildings.
 5. All containment plastic shall be properly disposed of and not re-used.
 6. All water within the containment shall be filtered with a HEPA filtration device.
- C. For all exterior work:
1. **Special Areas:** Any abatement project being performed on any structure other than a building shall be arranged, equipped, and operated in a manner that will eliminate the possibility of lead contaminates or lead contaminated materials escaping from the work area.
 2. **Maintain Barriers:** The abatement subcontractor shall maintain polyethylene barriers and a clean area as long as needed for the safe and proper completion of the work. Any openings or tears in the work area barriers shall be corrected by the abatement subcontractor at the beginning of each work day and as necessary during the workday with such openings and barriers in place and acceptable to the owner's consultant.
 3. **Prior to barrier removal:** Barriers shall not be removed until the work areas are thoroughly cleaned, and the area is approved by the consultant. All debris must be bagged and removed from work areas, and the lead surface wipe samples must

have passed final clearance test, in accordance with provisions detailed in the barrier removal.

4. **Use of mini-isolation chamber:** At the Owner's, and consultant approval, the Abatement Subcontractor may utilize a portable mini-isolation chamber to create an isolated work area around single components to be removed. This chamber shall still be equipped with an adjacent clean room, and become an isolated work area sealed at all seams to where it is attached to adjacent surfaces. It shall also satisfy all requirements for a work area and satisfy all clearance criteria, as identified in this section and local law.
5. **Signs:** Prior to the preparation of the dwelling for abatement, the abatement subcontractor shall place warning signs immediately outside all entrances and exits to the dwelling, warning that abatement work is being conducted in the vicinity. The signs shall be at least 20" x 14" and read

DANGER
LEAD WORK AREA
MAY DAMAGE FERTILITY OR THE UNBORN CHILD
CAUSES DAMAGE TO THE CENTRAL NERVOUS SYSTEM
DO NOT EAT, DRINK OR SMOKE IN THIS AREA

6. Signs shall be in bold lettering with lettering not smaller than two inches tall.
 7. Construct and maintain suitable polyethylene barriers within the building to isolate the exterior work area from the interior of the building. Make every effort to maintain a distance of 25 feet from the barrier tape to the closet scheduled point of work within the Work area(s).
 8. Maintain emergency and fire exits from Work Areas.
- D. For interior work, the contractor shall prepare the area as follows:
1. **HVAC shut down:** Shut down or isolate heating, cooling, ventilation air systems within the control area to prevent contamination and dust dispersal to other areas of the structure. During the Work, vents within the immediate removal area (to a distance of ten feet from the affected surface) shall be sealed with tape and plastic sheeting and as shown on plans.
 2. **Loose equipment:** Do not begin Work until immediate work area is free of loose equipment.
 3. **Pre-clean:** Pre-clean fixed objects within the proposed Work Areas using HEPA filtered vacuum equipment and/or protect occupants' belongings by covering with one layer of six mil polyethylene and have joints taped. All debris gathered during this clean up shall be disposed of properly. In addition, any loose paint or paint bearing debris found in the buildings are to be assumed hazardous and packaged

and disposed of properly. The amount of the materials should be estimated during the pre-bid walk through.

4. **Use of a mini-containment:** At the Owner's and consultant's approval, the Abatement Subcontractor may utilize a portable mini-isolation chamber to create an isolated work area around single components to be removed. This chamber shall still be equipped with an adjacent clean room, and become an isolated work area sealed at all seams to where it is attached to adjacent surfaces. It shall also satisfy all requirements for a work area and satisfy all clearance criteria, as identified in this section and local law.
5. **Walls and floors:** Lay a single layer of six-mil thick polyethylene sheeting below the impacted area. Sheeting will extend to a distance of six feet beyond the affected area in all direction not bounded by walls or non-moveable partitions. Walls directly below the affected surface will be covered with six-mil thick polyethylene sheeting to extend 4 feet in either direction beyond the affected area.
6. **Surrounding barrier:** A barrier shall be erected at room entrances, which shall be sealed with a single layer of six-mil thick polyethylene sheeting, and a suitable two-stage decontamination unit shall be erected and attached to barrier sheeting.
7. **Maintaining barriers:** The abatement subcontractor shall maintain polyethylene barriers and a clean area as long as needed for the safe and proper completion of the work. Any openings or tears in the work area barriers shall be corrected by the abatement subcontractor at the beginning of each work day and as necessary during the workday with such openings and barriers in place and acceptable to the consultant.
8. **Removal of barriers:** Barriers shall not be removed until the work areas are thoroughly cleaned, and the area approved by the consultant. All debris must be bagged and removed from work areas, and the lead surface wipe samples must have passed final clearance test according to provisions detailed in the barrier removal.
9. **Signs:** Prior to the preparation of the dwelling for abatement, the abatement subcontractor shall place warning signs immediately outside all entrances and exits to the dwelling, warning that abatement work is being conducted in the vicinity. The signs shall be at least 20" x 14" and read:

DANGER
LEAD WORK AREA
MAY DAMAGE FERTILITY OR THE UNBORN CHILD
CAUSES DAMAGE TO THE CENTRAL NERVOUS SYSTEM
DO NOT EAT, DRINK OR SMOKE IN THIS AREA

10. Signs shall be in bold lettering with lettering not smaller than two inches tall.
11. Maintain emergency and fire exits from Work Areas.

12. Construct and maintain suitable polyethylene barriers within the building to isolate the exterior work area from the interior of the building. Make every effort to maintain a distance of 10 feet from the barrier tape to the closet scheduled point of work within the Work area.

13. Maintain emergency and fire exits from Work Areas.

E. Decontamination Facilities:

Build suitable decontamination facilities described herein, as previously submitted for review, before start of construction.

In all cases, access between contaminated and uncontaminated rooms or areas shall be through an air lock previously defined. Passage between any two rooms within the decontamination facility shall be through an access doorway.

1. Locate decontamination facility as close in proximity to the Work area as possible.
2. Construct a two-stage worker decontamination enclosure system consisting of two totally separate areas to conform to standard Plans found herein and as follows.
 - a. A shower area with two access ways: one to the equipment room and one to the outside area. Plastic, if used, on shower room and adjoining equipment rooms shall be opaque.
 - b. The shower area shall contain at least one room with water for wet wiping of hands and face. Careful attention shall be paid to the shower enclosure to ensure against leaking of any kind.
3. If needed, provide or construct an equipment decontamination area consisting of two totally separate areas as follows:
 - a. A washroom, with access to a designated area of the Work area and access to the holding area.
 - b. A holding area with access to the washroom and access to an uncontaminated area.
4. At entrances and exits and the decontamination facility name of both the shower and equipment decontamination room, a clearly identifiable label shall be affixed that is visible from a distance of 25 feet.

3.2 INTERIM CONTROL METHODS FOR LOOSE AND FLAKY LBP:

- A. Prepare site per paragraph 3.1.
- B. Remove and clean or clean and wrap objects, such as lights and other items not previously sealed off that may interfere with lead removal. Use HEPA vacuum equipment and wet methods during fixture removal to reduce lead dispersal. Wrap removed items in plastic and store for reinstallation upon completion of testing procedures.

C. **Protection:** Protect all fixtures, grills, lockers, and other non-removable equipment from water. Also, protect painted surfaces and flooring.

D. **Scrapping of loose and flaky paint:**

1. All surfaces shall be final scrapped following other flaky paint removal methods.
2. The Contractor shall scrape the material in such a manner as to prevent damage to the substrate.
3. The Contractor shall use wet methods during the scrapping process, unless the substrate will result in undo damage from the wetting. If wetting cannot be performed to this condition, scrapping shall be slow and deliberate so as to lessen the distance of travel. In all cases, occasional misting of the immediate area over the drop cloth shall be performed. After scrapping the impacted area, the area shall be thoroughly HEPA vacuumed.
4. Sufficient scrapping of loose and flaky paint for application of lead-bloc or other encapsulation method shall occur when a scrapping blade is drawn across the remaining painted surface with heaviness of hand and no additional paint dislodges from the substrate. Sufficient scrapping is at the discretion of the consultant and/or inspector.

E. **Paint Stabilization:** Perform paint stabilization process according to Section 2092, Part 3.3.D.

3.3 CLEANUP AND CLEARANCE MONITORING:

Comply with Section 02092 HM, Part 3.3, for Cleanup and Clearance Monitoring.

3.4 DISPOSAL OF LEAD-COATED MATERIALS AND LEAD-CONTAMINATED WASTE:

Comply with Section 02092 HM, Part 3.4, for Disposal of Lead-Coated Materials and Lead-Contaminated Waste.

3.5 REESTABLISHMENT OF OBJECTS AND SYSTEMS:

Comply with Section 02092 HM, Part 3.5 for Reestablishment of Objects and Systems.

END OF SECTION

SECTION 02095 HM

LEAD-BASED PAINT REMOVAL (Chemical and Component)

PART 1 - GENERAL

1.1 SCOPE:

This Specification covers the abatement of materials coated with lead-based paint as described in Section 01010 HM, Scope of Work.

1.2 DESCRIPTION OF WORK:

- A. **The Work:** The Work specified herein shall be the removal of those materials coated with lead-based paint by persons knowledgeable, qualified, and trained in the removal, treatment, handling, and disposal of lead-based paint, and the subsequent cleaning of the affected environment, and who comply with Federal and State and Local regulations and guidelines which mandate work practices, and who are capable of performing the Work of this Contract.
- B. **Contract Fulfillment:** The Contractor shall supply all labor, materials, equipment, services, insurance, and incidentals which are necessary or required to perform the Work in accordance with applicable governmental regulations and guidelines and these Specifications.

1.3 TERMINOLOGY:

See Section 02092 HM, Part 1.3, for Terminology.

1.4 APPLICABLE DOCUMENTS:

Comply with Section 02092 HM, Part 1.4, for Applicable Documents.

1.5 SUBMITTALS AND NOTICES:

Comply with Section 02092 HM, Part 1.5, for Submittals and Notices.

1.6 PERSONAL PROTECTION AND SAFETY:

Comply with Section 02092 HM, Part 1.6. It shall be modified in the following particulars only.

A. **Respiratory protection requirements:**

1. Disposable (single use) respirators are not to be worn for protection against lead.

2. For the followings tasks or conditions a 1/2 mask air-purifying respirators equipped with high efficiency filters may be used:
 - a. Provided maximum airborne lead concentration outside the respirator is at or below 500 $\mu\text{g}/\text{m}^3$:
 - b. During component removal were LBP dust is not generated.
 - c. During chemical removal. Suitable air-filter cartridges for use with chemicals must be employed.
 - d. Pre-construction sealing of openings and penetrations to the work areas with plastic sheeting.
 - e. Decontamination of removable items.
 - f. During removal of lead-containing materials.
 - g. During all cleanup and wipe down of area.
 - h. During final wipe down of work space
 - i. Loading lead-containing drums onto truck for transportation and unloading bags at approved landfill.
3. A full facepiece, powered air-purifying respirator equipped with HEPA filters will be required under the following conditions:
 - a. At any time that air monitoring levels indicate that lead concentrations are at least 500 $\mu\text{g}/\text{m}^3$ or greater.
 - b. Any situation where gross contamination has occurred, air sampling indicates airborne lead levels have exceeded 500 $\mu\text{g}/\text{m}^3$.
4. All Employees and visitors will wear appropriate filters for the work at hand. If chemicals are used, follow manufacturer guidelines for appropriate personal and respiratory protection.

B. Bilingual Worker protection procedures for chemical removal(Posted in both English and Spanish):

1. Each worker and authorized visitor shall, upon entering the job site: put on a respirator and don two suits of protective clothing before entering the Equipment Room or the Work area. Clothing that is appropriate for weather and temperature conditions is worn under the protective clothing.
2. Each time before leaving the work area, all workers and authorized visitors shall remove gross contamination from the protective clothing using a HEPA vacuum, then remove the top protective suit and place within a labeled hazardous material 6-mil plastic bag which is within the work area. Personnel will then proceed to the Equipment Room and remove remaining protective clothing except respirators by

carefully rolling down the garment to reduce exposure to dust. Personnel will then proceed through to the washroom and clean the outside of the respirator with a wet disposable towel; remove the respirator; and thoroughly wet wipe themselves

3. Following wet wiping and drying off, each Worker shall proceed directly to the outside area at the end of each day's Work, or before eating, smoking, or drinking.
4. Before re-entering the Work Area each Worker and authorized visitor shall put on a clean respirator and shall dress in clean protective clothing as described above.
5. Contaminated work footwear shall be stored in the Equipment Room or Work area in a labeled 6-mil bag when not in use in the Work area, until they are appropriately decontaminated. Upon completion of lead abatement, dispose of footwear as contaminated waste unless they can be appropriately decontaminated. All porous type footwear will be disposed of as contaminated waste.
6. Workers removing waste containers from the equipment decontamination enclosure shall enter the holding area from outside wearing a respirator and dressed in clean disposable coveralls. No worker shall use this system as a means to leave or enter the washroom or the Work area.
7. Workers shall not eat, drink, smoke, or chew gum or tobacco while in the Work area.
8. Workers shall be fully protected with respirators and protective clothing from the time of first disturbance of lead-coated or contaminated materials prior to commencing actual lead abatement and until final cleanup is completed.

C. Bilingual Worker protection procedures for component removal(Posted in both English and Spanish):

1. Each worker and authorized visitor shall, upon entering the job site: put on a respirator and don one suit of protective clothing before entering the Equipment Room or the Work area. Clothing that is appropriate for weather and temperature conditions is worn under the protective clothing.
2. Each time before leaving the work area, all workers and authorized visitors shall remove gross contamination from the protective clothing using a HEPA vacuum, then remove protective clothing except respirators by carefully rolling down the garment to reduce exposure to dust and place within a labeled hazardous material 6-mil plastic bag which is within the work area. Personnel will then proceed through to the washroom and clean the outside of the respirator with a wet disposable towel; remove the respirator; and thoroughly wet wipe themselves
3. Following wet wiping, each Worker shall proceed directly to the outside area at the end of each day's Work, or before eating, smoking, or drinking.
4. Before re-entering the Work Area each Worker and authorized visitor shall put on a clean respirator and shall dress in clean protective clothing as described above.

5. Contaminated work footwear shall be stored in the Equipment Room or Work area in a labeled 6-mil bag when not in use in the Work area, until they are appropriately decontaminated. Upon completion of lead work, dispose of footwear as contaminated waste unless they can be appropriately decontaminated. All porous type footwear will be disposed of as contaminated waste.
6. Workers removing waste containers from the equipment decontamination enclosure shall enter the holding area from outside wearing a respirator and dressed in clean disposable coveralls. No worker shall use this system as a means to leave or enter the washroom or the Work area.
7. Workers shall not eat, drink, smoke, or chew gum or tobacco while in the Work area.
8. Workers shall be fully protected with respirators and protective clothing from the time of first disturbance of lead-coated or contaminated materials prior to commencing actual lead abatement and until final cleanup is completed.

1.7 SUPERINTENDENT, FOREMAN, CRAFTSMAN:

Comply with Section 02092 HM, Part 1.7, Superintendent, Foreman, Craftsman.

PART 2 - MATERIAL AND EQUIPMENT

Comply with Section 02092 HM, Part 2. It shall be modified in the following particulars only.

2.1 MATERIALS:

- A. **Chemical removers:** Shall not contain methylene chloride. Chemical removers shall be compatible with and not harm the substrate they are applied to. Chemical removers used on masonry surfaces shall contain anti-stain formulation that inhibits the discoloration of stone, granite, brick, and other masonry construction. Chemical removers used on interior surfaces shall not raise or discolor the surface being abated. Chemical removers requiring neutralizers shall not be used on interior surfaces.
- B. **Chemical stripping agent neutralizers:** May be used on exterior surfaces only. Neutralizers shall be compatible with and not harm the substrate to which they are applied. Neutralizers shall be compatible with the stripping agent that has been applied to the surface substrate.

PART 3 - EXECUTION

3.1 PREPARATION:

A. For exterior work, the abatement contractor shall prepare the area as follows:

1. **Doors and Windows:** Doors and windows on the side of the building upon which a dust-generating method is being used, and on the same floor and all floors below, must be covered with 6-mil thick polyethylene sheeting.
2. **Plants and ground:** The ground and any plants or shrubs in the area in which exterior abatement is occurring shall be covered with two layers of 6-mil plastic in a tarp-like fashion, sufficiently bonded together to form a single layer, and weighted at all edges so as to prevent blowing. A single 12-mil plastic sheet may be substituted. Such covering shall cover from the side of the structure to a point at least eight feet away from the structure for every story in height (10'). The covering shall be taped or otherwise attached to the structure.
3. Ground covers shall always be placed in manner that traps all debris and water. This is best accomplished by elevating the edges.
4. The plastic ground cover shall be properly disposed of and not re-used.
5. **Special Areas:** Any abatement project being performed on any structure other than a building shall be arranged, equipped, and operated in a manner which will eliminated the possibility of lead contaminates or lead contaminated materials escaping from the work.
6. **Maintain Barriers:** The abatement subcontractor shall maintain polyethylene barriers and a clean area as long as needed for the safe and proper completion of the work. Any openings or tears in the work area barriers shall be corrected by the abatement subcontractor at the beginning of each work day and as necessary during the workday with such openings and barriers in place and acceptable to the owner's consultant.
7. **Prior to barrier removal:** Barriers shall not be removed until the work areas are thoroughly cleaned and the area approved by the consultant. All debris must be bagged and removed from work areas, and the lead surface wipe samples must have passed final clearance test, in accordance with provisions detailed in the barrier removal.
8. **Use of mini-isolation chamber:** At the Owner's and consultant's approval, the Abatement Subcontractor may utilize a portable mini-isolation chamber to create an isolated work area around single components to be removed. This chamber shall still be equipped with an adjacent clean room, and become an isolated work area sealed at all seams to where it is attached to adjacent surfaces. It shall also satisfy all requirements for a work area and satisfy all clearance criteria, as identified in this section and local law.

9. **Signs:** Prior to the preparation of the dwelling for abatement, the abatement subcontractor shall place warning signs immediately outside all entrances and exits to the dwelling, warning that abatement work is being conducted in the vicinity. The signs shall be at least 20" x 14" and read

DANGER
LEAD WORK AREA
MAY DAMAGE FERTILITY OR THE UNBORN CHILD
CAUSES DAMAGE TO THE CENTRAL NERVOUS SYSTEM
DO NOT EAT, DRINK OR SMOKE IN THIS AREA

10. Signs shall be in bold lettering with lettering not smaller than two inches tall.
11. Construct and maintain suitable polyethylene barriers within the building to isolate the exterior work area from the interior of the building. Make every effort to maintain a distance of 25 feet from the barrier tape to the closet scheduled point of work within the Work area.
12. Maintain emergency and fire exits from Work Areas.
- B. For interior work, the abatement contractor shall prepare the area as follows:
1. **HVAC shut down:** Shut down or isolate heating, cooling, ventilation air systems within the control area to prevent contamination and dust dispersal to other areas of the structure. During the Work, vents within the immediate removal area (to a distance of ten feet from the affected surface) shall be sealed with tape and plastic sheeting and as shown on plans.
 2. **Loose equipment:** Do not begin Work until immediate work area is free of loose equipment.
 3. **Pre-clean:** Pre-clean fixed objects within the proposed Work Areas, using HEPA filtered vacuum equipment and/or protect occupants' belongings by covering with one layer of six mil polyethylene and have joints taped. All debris gathered during this clean up shall be disposed of properly. In addition, any loose paint or paint bearing debris found in the buildings are to be assumed hazardous and packaged and disposed of properly. The amount of the materials should be estimated during the pre-bid walk through.
 4. **Use of a mini-containment:** At the Owner's and consultant's approval, the Abatement Subcontractor may utilize a portable mini-isolation chamber to create an isolated work area around single components to be removed. This chamber shall still be equipped with an adjacent clean room, and become an isolated work area sealed at all seams to where it is attached to adjacent surfaces. It shall also satisfy all requirements for a work area and satisfy all clearance criteria, as identified in this section and local law.
 5. **Walls and floors:** Lay a single layer of six-mil thick polyethylene sheeting below impacted area. Sheeting will extend to a distance of six feet beyond the affected

area in all directions not bounded by walls or non-moveable partitions. Walls directly below the affected surface will be covered with six-mil thick polyethylene sheeting to extend 4 feet in either direction beyond the affected area.

6. **Surrounding barrier:** A barrier shall be erected at room entrances, which shall be sealed with a single layer of six-mil thick polyethylene sheeting and a suitable 2 stage decontamination unit, shall be erected and attached to barrier sheeting.
7. **Maintaining barriers:** The abatement subcontractor shall maintain polyethylene barriers and a clean area as long as needed for the safe and proper completion of the work. Any openings or tears in the work area barriers shall be corrected by the abatement subcontractor at the beginning of each work day and as necessary during the workday with such openings and barriers in place and acceptable to the consultant.
8. **Removal of barriers:** Barriers shall not be removed until the work areas are thoroughly cleaned, and the area approved by the consultant. All debris must be bagged and removed from work areas, and the lead surface wipe samples must have passed final clearance test, in accordance with provisions detailed in the barrier removal.
9. **Signs:** Prior to the preparation of the dwelling for abatement, the abatement subcontractor shall place warning signs immediately outside all entrances and exits to the dwelling, warning that abatement work is being conducted in the vicinity. The signs shall be at least 20" x 14" and read:

DANGER

LEAD WORK AREA

MAY DAMAGE FERTILITY OR THE UNBORN CHILD

CAUSES DAMAGE TO THE CENTRAL NERVOUS SYSTEM

DO NOT EAT, DRINK OR SMOKE IN THIS AREA

10. Signs shall be in bold lettering with lettering not smaller than two inches tall.
11. Maintain emergency and fire exits from Work Areas.
12. Construct and maintain suitable polyethylene barriers within the building to isolate the exterior work area from the interior of the building. Make every effort to maintain a distance of 10 feet from the barrier tape to the closet scheduled point of work within the Work area.
13. Maintain emergency and fire exits from Work Areas.

C. Decontamination Facilities:

Build suitable decontamination facilities described herein, as previously submitted for review, before start of construction.

In all cases, access between contaminated and uncontaminated rooms or areas shall be through an air lock previously defined. Passage between any two rooms within the decontamination facility shall be through an access doorway.

1. Locate decontamination facility as close in proximity to the Work area as possible.
2. Construct a two-stage worker decontamination enclosure system consisting of three totally separate areas to conform to standard Plans bound herein and as follows.
 - a. A shower area with two access ways, one to the equipment room and one to the outside area. Plastic, if used, on shower room and adjoining equipment rooms shall be opaque.
 - b. The shower area shall contain at least one room with water for wet wiping of hands and face. Careful attention shall be paid to the shower enclosure to ensure against leaking of any kind.
3. If needed, provide or construct an equipment decontamination area consisting of two totally separate areas as follows:
 - a. A washroom, with access to a designated area of the Work area and access to the holding area.
 - b. A holding area with access to the washroom and access to an uncontaminated area.
4. The entrances and exits and the decontamination facility name of both the shower and equipment decontamination room will be appropriately labeled and identifiable from a distance of 25 feet.

3.2 LEAD REMOVAL:

- A. Prepare site per paragraph 3.1.
- B. Remove and clean or clean and wrap objects, such as lights and other items not previously sealed off that may interfere with lead removal. Use HEPA vacuum equipment and wet methods during fixture removal to reduce lead dispersal. Wrap removed items in plastic and store for reinstallation upon completion of testing procedures.
- C. Protect all fixtures, grills, lockers and other non-removable equipment from water. Also, protect painted surfaces and flooring.
- D. **Lead-Based Paint Removal (component):**
 1. Care must be taken so that leaded materials are neither burned, nor dusted, nor result in further exposure to workers, residents, children, or observers.

2. Care shall be taken to avoid damage to adjacent areas during the removal of components to be replaced. The Abatement Subcontractor shall run a utility knife around the edge (score) of the abatement substrate and the adjacent (non-abated) substrate to cut any bonding between the substrates and thereby eliminate damage.
3. If components to be removed contain gross areas of loose or peeling paint, these areas shall be wet scrapped or HEPA vacuumed prior to removal. The paint chips shall be contained either in the HEPA vacuum or in a separate 6-mil polyethylene bag. Temporary encapsulants used expressly for this purpose are also acceptable.
4. Components that are removed for replacement shall be temporarily wrapped for transport to the dumpster. Care shall be taken when transporting leaded components from the work area to the dumpster. All leaded components shall be sealed in airtight containers from transport to the dumpsite. Once the materials have been transferred, it shall be removed from the container and placed in the lined dumpster.
5. A pry device shall be utilized to carefully remove exterior materials. Remove each component and carefully lower to the ground. Care shall be taken to preserve the integrity of the structural elements of the materials. Continuously control dust utilizing an airless spray or apply a light application of water. Containerization shall be accomplished by removing or flattening all nails to prevent punctures or tearing.

E. Lead-Based Paint Removal (Chemically):

1. Use only chemical removers and neutralizers as outlined in Part 2.1.A & B above.
2. Protect all surrounding non-removal surfaces from chemical exposure.
3. Ensure that the chemical is applied and removed in strict accordance with manufacture instructions.
4. Ensure that damaging of the substrate material is prevented while chemical is being removed from the surface. If damage occurs, contractor will prep the material accordingly for a smooth pre-finishing surface.
5. Ensure that any chemical that falls or loses contact with the removal surface is immediately wiped up.
6. Place all hazardous waste immediately upon removal in appropriate containers per manufacturers and regulatory guidelines.

3.3 CLEANUP AND CLEARANCE MONITORING:

Comply with Section 02092 HM, Part 3.3, for Cleanup and Clearance Monitoring.

3.4 DISPOSAL OF LEAD-COATED MATERIALS AND LEAD-CONTAMINATED WASTE:

Comply with Section 02092 HM, Part 3.4, for Disposal of Lead-Coated Materials and Lead-Contaminated Waste.

3.5 REESTABLISHMENT OF OBJECTS AND SYSTEMS:

Comply with Section 02092 HM, Part 3.5, for Reestablishment of Objects and Systems.

END OF SECTION

**APPENDIX A – LIMITED ASBESTOS INSPECTION REPORT
DATED – APRIL 18, 2023**



Industrial Hygiene • Air Quality • Lead & Asbestos • Training • Health & Safety

LIMITED ASBESTOS INSPECTION REPORT

Conducted at:

CRESSON ELEMENTARY SCHOOL
EXTERIOR PAINTING AND MINOR REPAIR PROJECT
11650 CRESSON STREET
NORWALK, CALIFORNIA 90650

Prepared for:

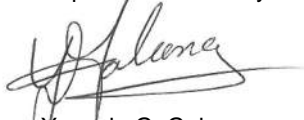
MR. BRENT GRIFFEN
DIRECTOR OF MAINTENANCE AND OPERATIONS AND CUSTODIAL SERVICES
LITTLE LAKE CITY SCHOOL DISTRICT
10515 SOUTH PIONEER BOULEVARD
SANTA FE SPRINGS, CALIFORNIA 90670

Prepared by:

EXECUTIVE ENVIRONMENTAL
310 EAST FOOTHILL BOULEVARD, SUITE 200
ARCADIA, CALIFORNIA 91006

Project Number EE 23-Z0187-0060
April 18, 2023

Report assembled by:


Yesenia G. Galeana
Technical Report Writer
Executive Environmental

Report generated/reviewed by:

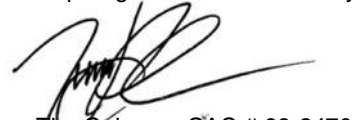

Tim Galeana, CAC # 98-2470
Senior Project Manager
Executive Environmental

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- II. SAMPLING METHODOLOGY
- III. SAMPLE ANALYSIS
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APPENDICES

APPENDIX A – LABORATORY ANALYSIS REPORT

APPENDIX B – SITE DRAWING

APPENDIX C – STAFF CERTIFICATION

LIMITED ASBESTOS INSPECTION REPORT

Project Number: EE 23-Z0187-0060

Client: Little Lake City School District
10515 South Pioneer Boulevard
Santa Fe Springs, California 90670

Site Location: Cresson Elementary School
Exterior Painting and Minor Repair Project
11650 Cresson Street
Norwalk, California 90650

Site Use: School Property

Contact Person: Mr. Brent Griffen
Director of M&O and Custodial Services
Phone: (562) 868-8241

Inspection Date Between: March 27 thru 29, 2023

Inspected By: Mr. Matthew Barna
Certified Site Surveillance Technician, # 19-6738

Report Assembled By: Ms. Yesenia G. Galeana
Technical Report Writer

Report Generated/Reviewed By: Mr. Tim Galeana
Certified Asbestos Consultant, # 98-2470

I. EXECUTIVE SUMMARY

Executive Environmental (EE) provided the services of a Certified Site Surveillance Technician (Mr. Matthew Barna # 19-6738), to conduct a limited asbestos inspection of the permanent buildings, portables and covered walkway at Cresson Elementary School, located at 11650 Cresson Street, Norwalk, California 90650. The inspection was conducted as a precursor to the upcoming exterior Painting and Minor Repair Project. Asbestos-Containing Materials (ACM's) were identified during this inspection. *This is considered a limited inspection. The inspection was limited to materials anticipated to be impacted by the Exterior Painting and Minor Repair Project, as directed by the client.*

II. SAMPLING METHODOLOGY

A visual inspection of the permanent buildings, portables and covered walkways was conducted prior to the collection of any bulk samples. The visual inspection was conducted to identify and record the location and condition of the materials to be sampled. Following the visual inspection, bulk material samples of the identified suspect asbestos-containing building materials were collected. The materials were categorized

into homogeneous groupings, and each sample was assigned a unique sample number and placed into a sealed container.

Upon completion of the bulk sample collection, a chain of custody was prepared and the samples were delivered to the laboratory for analysis. AmeriSci of Carson, CA, analyzed the samples using Polarized Light Microscopy (PLM). AmeriSci is an accredited participant in the National Voluntary Laboratory Accreditation Program (NVLAP), No. 200346-0. The principles described in the current Environmental Protection Agency (EPA) 600 method were used in the preparation and analysis of the bulk samples.

III. SAMPLE ANALYSIS

Two hundred and twenty-three (223) suspect asbestos-containing material samples were collected during this inspection. The laboratory analysis results are listed in the following table. Materials determined not to contain asbestos are listed as "No Asbestos Detected" (NAD).

Any material found to contain more than 1% of a known asbestos substance is considered an asbestos-containing material (ACM). Materials falling within this category are controlled and must be handled in accordance with the California Occupational Safety & Health Administration (Cal/OSHA), EPA, and South Coast Air Quality Management District (SCAQMD) regulations.

In addition, materials which are characterized as non-ACM by EPA or other local regulatory agencies may fall within the regulatory standards of Cal/OSHA, which further regulates any materials found to contain more than 1/10 of 1%, but 1% or less, of a known asbestos substance as asbestos-containing construction materials (ACCMs). Impacting or handling ACCMs requires special employer registration, documentation, training, and personal protective equipment. When a material is to be impacted, the National Emission Standards for Hazardous Air Pollutants (NESHAPs) regulations require further testing for materials that fall within this category.

The PLM analytical protocol requires each layer of the sample to be analyzed separately. The quantity of analyses will vary based on the number of layers in a sample and whether a "positive stop" is employed. When one sample of a homogeneous area is positive, the remainder of the samples need not be analyzed, because the entire homogeneous area must be considered positive.

**Sampling results begin on the next page.
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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
11650 Cresson Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^A	Type ^B	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Administration Building										
1	Roofing material (core sample)	Throughout rooftop	2,900 Square Feet	G	Misc.	No	0	2303270060MB-01	Northwest	NAD ^C
								2303270060MB-02	Center	NAD
								2303270060MB-03	Southeast	NAD
2	Roofing patch (core sample)	Throughout rooftop edges, some penetrations and vents	600 Square Feet	G	Misc.	No	0	2303270060MB-04	Northwest edge	NAD
								2303270060MB-05	Center patch	NAD
								2303270060MB-06	Southeast vent	NAD
3	Roof mastic	Throughout rooftop at roof jacks, flashing, vents, penetrations, conduit pads, seams and patched areas	60 Square Feet	G	Misc.	No	0	2303270060MB-07	Northwest conduit pad	NAD
								2303270060MB-08	Center roof jack	NAD
								2303270060MB-09	Southeast vent	NAD
4	Conduit pads	Throughout rooftop under conduit	20 Square Feet	G	Misc.	No	0	2303270060MB-10	Northwest	NAD
								2303270060MB-11	Southwest	NAD
								2303270060MB-12	Center	NAD

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Sampling results continue on the next page.

^A G = Good; D = Damaged; SD = Severely Damaged

^B Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation

^C NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
11650 Cresson Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^D	Type ^E	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Administration Building										
5	Brick and mortar	Throughout exterior walls	3,000 Square Feet	G	Misc.	No	0	2303280060MB-117	Northeast	Layers 1 & 2: NAD ^F
								2303280060MB-118	Northwest	Layers 1 & 2: NAD
								2303280060MB-119	Southwest	Layers 1 & 2: NAD
6	Window putty	Throughout window and vents	650 Square Feet	G	Misc.	No	<1	2303280060MB-120	Northwest	Layer 1: 2% Chrysotile Layer 2: NAD
								2303280060MB-121	East	2% Chrysotile
								2303280060MB-122	West	2% Chrysotile
7	Caulking	Exterior around doors	15 Square Feet	G	Misc.	No	0	2303280060MB-123	Southwest	Layer 1: NAD Layer 2: 5% Chrysotile
								2303280060MB-124	South	Layer 1: NAD Layer 2: 3% Chrysotile
								2303280060MB-125	Southeast	NAD
8	Stucco	Exterior at drinking fountain	50 Square Feet	G	Misc.	No	0	2303280060MB-126	South	NAD
								2303280060MB-127	South	NAD
								2303280060MB-128	South	NAD

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^D G = Good; D = Damaged; SD = Severely Damaged

^E Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation

^F NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
11650 Cresson Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^G	Type ^H	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
100 Building										
9	Roofing material (core sample)	Throughout rooftop	3,400 Square Feet	G	Misc.	No	0	2303270060MB-13	Northeast	NAD ^I
								2303270060MB-14	Center	NAD
								2303270060MB-15	Southwest	NAD
10	Roofing patch (core sample)	Throughout rooftop edges, HVAC, jacks, fans and penetrations	900 Square Feet	G	Misc.	No	0	2303270060MB-16	Northeast	NAD
								2303270060MB-17	Center	NAD
								2303270060MB-18	Southwest	NAD
11	Roof mastic	Throughout rooftop at roof jacks, flashing, fans, penetrations, HVAC, jacks, seams and patched areas	80 Square Feet	G	Misc.	No	0	2303270060MB-19	North vent	NAD
								2303270060MB-20	Center jack HVAC	NAD
								2303270060MB-21	Southwest roof jack	NAD

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Sampling results continue on the next page.

^G G = Good; D = Damaged; SD = Severely Damaged

^H Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation

^I NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
11650 Cresson Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^J	Type ^K	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
100 Building										
12	Brick and mortar	Throughout exterior walls	2,500 Square Feet	G	Misc.	No	0	2303280060MB-129	Northeast	Layers 1 & 2: NAD ^L
								2303280060MB-130	Southeast	Layers 1 & 2: NAD
								2303280060MB-131	West	Layers 1 & 2: NAD
13	Window putty	Throughout windows and vents	600 Square Feet	G	Misc.	No	<1	2303280060MB-132	East	2% Chrysotile
								2303280060MB-133	Southeast	2% Chrysotile
								2303280060MB-134	West	<1% Chrysotile
14	Caulking	Exterior around doors	30 Square Feet	G	Misc.	No	0	2303280060MB-135	Northeast	Layer 1: NAD Layer 2: 2% Chrysotile
								2303280060MB-136	Southeast	Layer 1: NAD Layer 2: 2% Chrysotile
								2303280060MB-137	Southwest	Layer 1: NAD Layer 2: 3% Chrysotile

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Sampling results continue on the next page

^J G = Good; D = Damaged; SD = Severely Damaged

^K Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation

^L NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
11650 Cresson Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^M	Type ^N	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
200 Building										
15	Roofing material (core sample)	Throughout rooftop	6,300 Square Feet	G	Misc.	No	0	2303270060MB-22	East	NAD ^O
								2303270060MB-23	North	NAD
								2303270060MB-24	Southwest	NAD
16	Roofing patch (core sample)	Throughout rooftop edges, HVAC, jacks, fans and penetrations	1,100 Square Feet	G	Surf.	No	0	2303270060MB-25	East edge	NAD
								2303270060MB-26	North fan	NAD
								2303270060MB-27	Southwest HVAC	NAD
17	Roof mastic	Throughout rooftop at roof jacks, flashing, fans, penetrations, HVAC, jacks, seams and patched areas	120 Square Feet	G	Misc.	No	0	2303270060MB-28	Southeast flashing	5% Chrysotile
								2303270060MB-29	North fan	5% Chrysotile
								2303270060MB-30	Southwest roof jack	5% Chrysotile

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Sampling results continue on the next page.

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^N Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation
^O NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
11650 Cresson Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^P	Type ^Q	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
200 Building										
18	Brick and mortar	Throughout exterior walls	3,500 Square Feet	G	Misc.	No	0	2303280060MB-138	Northwest	Layers 1 & 2: NAD ^R
								2303280060MB-139	Southeast	Layers 1 & 2: NAD
								2303280060MB-140	Southwest	Layers 1 & 2: NAD
19	Window putty	Throughout windows and vents	800 Square Feet	G	Misc.	No	0	2303280060MB-141	Northeast	5% Chrysotile
								2303280060MB-142	East	5% Chrysotile
								2303280060MB-143	Southwest	2% Chrysotile
20	Caulking	Exterior around doors	20 Square Feet	G	Misc.	No	0	2303280060MB-144	Northeast	2% Chrysotile
								2303280060MB-145	East	2% Chrysotile
								2303280060MB-146	Southeast	Layer 1: NAD Layer 2: <1% Chrysotile

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Sampling results continue on the next page

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^Q Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation
^R NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
11650 Cresson Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^s	Type ^T	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
300 Building										
21	Roofing material (core sample)	Throughout rooftop	6,300 Square Feet	G	Misc.	No	0	2303270060MB-31	East	NAD ^U
								2303270060MB-32	Center	NAD
								2303270060MB-33	Southwest	NAD
22	Roofing patch (core sample)	Throughout rooftop edges, HVAC, jacks, fans and penetrations	1,100 Square Feet	G	Surf.	No	0	2303270060MB-34	East edge	NAD
								2303270060MB-35	Center fan	NAD
								2303270060MB-36	West HVAC	NAD
23	Roof mastic	Throughout rooftop at roof pipe jacks, flashing, fans jacks, penetrations, HVAC jacks, seams and patched areas	120 Square Feet	G	Misc.	No	0	2303270060MB-37	Southeast flashing	5% Chrysotile
								2303270060MB-38	Center HVAC jack	5% Chrysotile
								2303270060MB-39	Southwest fan jack	5% Chrysotile

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Sampling results continue on the next page.

^s G = Good; D = Damaged; SD = Severely Damaged
^T Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation
^U NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
11650 Cresson Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^v	Type ^w	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
300 Building										
24	Brick and mortar	Throughout exterior walls	3,500 Square Feet	G	Misc.	No	0	2303290060MB-147	Northeast	Layers 1 & 2: NAD ^x
								2303290060MB-148	Southeast	Layers 1 & 2: NAD
								2303290060MB-149	Southwest	Layers 1 & 2: NAD
25	Window putty	Throughout window and vents	800 Square Feet	G	Misc.	No	0	2303290060MB-150	Northeast	NAD
								2303290060MB-151	Southeast	5% Chrysotile
								2303290060MB-152	Southwest	5% Chrysotile
26	Caulking	Exterior around doors	20 Square Feet	G	Misc.	No	0	2303290060MB-153	Northeast	NAD
								2303290060MB-154	Southeast	Layer 1: 5% Chrysotile Layer 2: NAD
								2303290060MB-155	South	NAD
27	Stucco	Exterior at south drinking fountain	50 Square Feet	G	Misc.	No	0	2303290060MB-156	South	Layers 1 & 2: NAD
								2303290060MB-157	South	Layers 1 & 2: NAD
								2303290060MB-158	South	NAD

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^w Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation
^x NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
11650 Cresson Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^Y	Type ^Z	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
400 Building										
28	Roofing material (core sample)	Throughout rooftop	6,300 Square Feet	G	Misc.	No	0	2303270060MB-40	East	NAD ^{AA}
								2303270060MB-41	Center	NAD
								2303270060MB-42	Southwest	NAD
29	Roofing patch (core sample)	Throughout rooftop edges, HVAC roof jacks, fans and penetrations	1,100 Square Feet	G	Surf.	No	0	2303270060MB-43	East edge	NAD
								2303270060MB-44	Center HVAC	NAD
								2303270060MB-45	Southwest fan	NAD
30	Roof mastic	Throughout rooftop at roof pipe jacks, flashing, fans jacks, penetrations, HVAC jacks, seams and patched areas	120 Square Feet	G	Misc.	No	0	2303270060MB-46	Southeast roof pipe jack	5% Chrysotile
								2303270060MB-47	Center HVAC	5% Chrysotile
								2303270060MB-48	Southwest fan	5% Chrysotile

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^Y G = Good; D = Damaged; SD = Severely Damaged
^Z Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation
^{AA} NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
11650 Cresson Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{BB}	Type ^{CC}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
400 Building										
31	Brick and mortar	Throughout exterior walls	3,500 Square Feet	G	Misc.	No	0	2303290060MB-159	Northeast	Layers 1 & 2: NAD ^{DD}
								2303290060MB-160	East	Layers 1 & 2: NAD
								2303290060MB-161	Southeast	Layers 1 & 2: NAD
32	Window putty	Throughout window and vents	800 Square Feet	G	Misc.	No	0	2303290060MB-162	East	5% Chrysotile
								2303290060MB-163	Southeast	5% Chrysotile
								2303290060MB-164	Southwest	5% Chrysotile
33	Caulking	Exterior around doors	20 Square Feet	G	Misc.	No	0	2303290060MB-165	East	NAD
								2303290060MB-166	Southeast	Layer 1: NAD
								2303290060MB-167	South	Layer 2: 2% Chrysotile
34	Stucco	Exterior at southeast drinking fountain	50 Square Feet	G	Misc.	No	0	2303290060MB-168	Southeast	NAD
								2303290060MB-169	Southeast	NAD
								2303290060MB-170	Southeast	NAD

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^{CC} Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation
^{DD} NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
11650 Cresson Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{EE}	Type ^{FF}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
500 Building										
35	Roofing material (core sample)	Throughout rooftop	6,300 Square Feet	G	Misc.	No	0	2303270060MB-49	East	NAD ^{GG}
								2303270060MB-50	Center	NAD
								2303270060MB-51	Southwest	NAD
36	Roofing patch (core sample)	Throughout rooftop edges, HVAC units, roof jacks and penetrations	1,100 Square Feet	G	Surf.	No	0	2303270060MB-52	East edge	NAD
								2303270060MB-53	Center HVAC	NAD
								2303270060MB-54	Southwest fan	NAD
36	Roof mastic	Throughout rooftop at roof jacks, flashing, fans jacks, penetrations, HVAC units, seams and patched areas	120 Square Feet	G	Misc.	No	0	2303270060MB-55	East pipe jack	NAD
								2303270060MB-56	Center HVAC jack	NAD
								2303270060MB-57	Southwest fan jack	NAD

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^{GG} NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
11650 Cresson Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{HH}	Type ^{II}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
500 Building										
37	Brick and mortar	Throughout exterior walls	3,500 Square Feet	G	Misc.	No	0	2303290060MB-171	Northeast	Layers 1 & 2: NAD ^{JJ}
								2303290060MB-172	Southeast	Layers 1 & 2: NAD
								2303290060MB-173	Southwest	Layers 1 & 2: NAD
38	Window putty	Throughout window and vents	800 Square Feet	G	Misc.	No	0	2303290060MB-174	Northeast	2% Chrysotile
								2303290060MB-175	Southeast	2% Chrysotile
								2303290060MB-176	Southwest	2% Chrysotile
39	Caulking	Exterior around doors	20 Square Feet	G	Misc.	No	0	2303290060MB-177	Northeast	NAD
								2303290060MB-178	Southeast	NAD
								2303290060MB-179	South	Layers 1 & 2: NAD

Note: This table must be used in conjunction with the entire report. This document is not to be used for contract bidding and is intended to be used to identify asbestos-containing materials and their locations only.

Sampling results continue on the next page.

^{HH} G = Good; D = Damaged; SD = Severely Damaged

^{II} Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation

^{JJ} NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
11650 Cresson Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{KK}	Type ^{LL}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
MPR Building										
40	Roofing material (core sample)	Throughout rooftop no. 1	4,800 Square Feet	G	Misc.	No	0	2303270060MB-58	Northeast	NAD ^{MM}
								2303270060MB-59	Center	NAD
								2303270060MB-60	South	NAD
41	Roofing patch (core sample)	Throughout rooftop no. 1 at edges, chimney, and south roof jacks	800 Square Feet	G	Misc.	No	0	2303280060MB-61	Northeast edge	NAD
								2303280060MB-62	South roof jack	NAD
								2303280060MB-63	Southwest chimney	NAD
42	Roofing patch (core sample)	Throughout rooftop no. 1 north HVAC jacks and jack vents	400 Square Feet	G	Misc.	No	0	2303280060MB-64	Northeast HVAC	NAD
								2303280060MB-65	Northwest HVAC	NAD
								2303280060MB-66	Northwest vents	NAD
43	Roof mastic	Throughout rooftop no. 1 at roof jacks, HVAC units, flashing, penetrations, seams and patched areas	75 Square Feet	G	Misc.	No	0	2303280060MB-67	Northeast seam	5% Chrysotile
								2303280060MB-68	Northwest roof jack	NAD
								2303280060MB-69	South roof jack	5% Chrysotile
44	Caulking	Throughout rooftop no. 1 at south roof jacks	10 Square Feet	G	Misc.	No	0	2303280060MB-70	South	NAD
								2303280060MB-71	South	NAD
								2303280060MB-72	South	NAD

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Sampling results continue on the next page.

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^{LL} Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation
^{MM} NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
11650 Cresson Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{NN}	Type ^{OO}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
MPR Building										
45	Roofing material (core sample)	Throughout rooftop no. 2	2,500 Square Feet	G	Misc.	No	0	2303280060MB-73	North	NAD ^{PP}
								2303280060MB-74	Southeast	NAD
								2303280060MB-75	Southwest	NAD
46	Roofing patch (core sample)	Throughout rooftop no. 2 at edge and perimeter walls	400 Square Feet	G	Misc.	No	0	2303280060MB-76	North at wall	NAD
								2303280060MB-77	East at edge	NAD
								2303280060MB-78	Southwest at wall	NAD
47	Roofing patch (core sample)	Throughout rooftop no. 2 fan jack, vent, HVAC units and roof pipe jacks	200 Square Feet	G	Misc.	No	0	2303280060MB-79	North fan jack	NAD
								2303280060MB-80	East vent	NAD
								2303280060MB-81	Southwest pipe jack	NAD
48	Roof mastic	Throughout rooftop no. 2 at roof jacks, HVAC units, flashing, penetrations, seams and patched areas	50 Square Feet	G	Misc.	No	0	2303280060MB-82	North wall flashing	5% Chrysotile
								2303280060MB-83	East fan	5% Chrysotile
								2303280060MB-84	West roof pipe jack	5% Chrysotile
49	HVAC duct mastic	Throughout rooftop no. 2 on HVAC ducts	20 Square Feet	G	Misc.	No	0	2303280060MB-85	Southwest	NAD
								2303280060MB-86	Southwest	NAD
								2303280060MB-87	Southwest	NAD

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Sampling results continues on the next page.

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^{OO} Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation
^{PP} NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
11650 Cresson Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{QQ}	Type ^{RR}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
MPR Building										
50	Brick and mortar	Throughout exterior walls	8,000 Square Feet	G	Misc.	No	0	2303290060MB-180	Northeast	Layers 1 & 2: NAD ^{SS}
								2303290060MB-181	East	Layers 1 & 2: NAD
								2303290060MB-182	South	Layers 1 & 2: NAD
51	Stucco	Throughout exterior walls and overhangs	3,000 Square Feet	G	Surf.	No	0	2303290060MB-183	North	NAD
								2303290060MB-184	East	NAD
								2303290060MB-185	West	NAD
								2303290060MB-186	Northwest	NAD
								2303290060MB-187	Northwest	NAD
52	Caulking	Exterior around doors	50 Square Feet	G	Misc.	No	0	2303290060MB-188	Northeast	NAD
								2303290060MB-189	West	NAD
								2303290060MB-190	Southwest	NAD
53	Window putty	Exterior where brick and stucco meet (transition)	30 Square Feet	G	Misc.	No	0	2303290061MB-191	West	2% Chrysotile
								2303290060MB-192	West	2% Chrysotile
								2303290060MB-193	West	2% Chrysotile

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Sampling results continues on the next page

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^{RR} Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation
^{SS} NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
11650 Cresson Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{TT}	Type ^{UU}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Covered Walkway^{VV}										
54	Roofing coating material (on metal roof)	Throughout rooftop of Covered Walkway no. 1	1,300 Square Feet	G	Misc.	No	0	2303280060MB-88	Northeast	20% Chrysotile
								2303280060MB-89	North	20% Chrysotile
								2303280060MB-90	East	20% Chrysotile
								2303280060MB-91	Southwest	25% Chrysotile
								2303280060MB-92	East	25% Chrysotile
55	Roof mastic	Throughout Covered Walkway no. 1 roof deck, patches and conduit pads	30 Square Feet	G	Misc.	No	0	2303280060MB-93	Northeast	5% Chrysotile
								2303280060MB-94	North	5% Chrysotile
								2303280060MB-95	South	5% Chrysotile
56	Conduit pads	Throughout Covered Walkway no. 1	20 Square Feet	G	Misc.	No	0	2303280060MB-96	Northeast	NAD ^{WW}
								2303280060MB-97	North	NAD
								2303280060MB-98	Southeast	2% Chrysotile
57	Texture coating	Throughout rooftop of Covered Walkway no. 1	1,300 Square Feet	G	Misc.	No	0	2303280060MB-99	Northeast	<1% Chrysotile
								2303280060MB-100	North	Layer 1: <1% Chrysotile Layer 2: 25% Chrysotile
								2303280060MB-101	West	10% Chrysotile
								2303280060MB-102	East	10% Chrysotile
								2303280060MB-103	South	Layer 1: <1% Chrysotile Layer 2: 10% Chrysotile

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Sampling results continue on the next page

^{TT} G = Good; D = Damaged; SD = Severely Damaged

^{UU} Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation

^{VV} NOTE: 1) Conduit pads on Covered Walkway no. 2 are foam, non-suspect material.

^{WW} NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
11650 Cresson Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{xx}	Type ^{yy}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Covered Walkway										
58	Roofing coating material (on metal roof)	Throughout rooftop of Covered Walkway no. 2	3,000 Square Feet	G	Misc.	No	0	2303280060MB-104	North	75% Chrysotile
								2303280060MB-105	Northwest	25% Chrysotile
								2303280060MB-106	West	50% Chrysotile
								2303280060MB-107	East	25% Chrysotile
								2303280060MB-108	Southeast	25% Chrysotile
59	Roof mastic	Throughout Covered Walkway no. 2 roof deck, patches and under conduit pads	200 Square Feet	G	Misc.	No	0	2303280060MB-109	Northwest	5% Chrysotile
								2303280060MB-110	North	5% Chrysotile
								2303280060MB-111	Southwest	NAD ^{zz}
60	Texture coating	Throughout rooftop of Covered Walkway no. 2 ceilings	1,300 Square Feet	G	Misc.	No	0	2303280060MB-112	North	NAD
								2303280060MB-113	Northwest	NAD
								2303280060MB-114	West	NAD
								2303280060MB-115	East	NAD
								2303280060MB-116	Southeast	NAD

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Sampling results continue on the next page

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^{zz} NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
11650 Cresson Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{AAA}	Type ^{BBB}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Portables										
61	Roof mastic/caulking (on metal roof)	Portable 205: Rooftop at flashing, bolts, HVAC units	30 Square Feet	G	Misc.	No	0	2303290060MB-194	East flashing	NAD ^{CCC}
								2303290060MB-195	Center bolt	NAD
								2303290060MB-196	Center at HVAC	Layers 1 & 2: NAD
62	Roof mastic/caulking (on metal roof)	Portable 206: Rooftop at flashing, bolts, HVAC units	30 Square Feet	G	Misc.	No	0	2303290060MB-197	West flashing	NAD
								2303290060MB-198	Center at HV AC	Layers 1 thru 3: NAD
								2303290060MB-199	East bolt	NAD
63	Roof caulking (on metal roof)	Portable 207: Rooftop at flashing and bolts	20 Square Feet	G	Misc.	No	0	2303290060MB-200	West flashing	Layers 1 & 2: NAD
								2303290060MB-201	Center bolt	NAD
								2303290060MB-202	Southeast bolt	NAD
64	Roof caulking (on metal roof)	Portable 208: Rooftop at flashing and bolts	20 Square Feet	G	Misc.	No	0	2303290060MB-203	Northeast flashing	NAD
								2303290060MB-204	Center bolt	NAD
								2303290060MB-205	Southwest bolt	NAD
65	Roof caulking (on metal roof)	Portable 209: Rooftop at flashing and bolts	20 Square Feet	G	Misc.	No	0	2303290060MB-206	East flashing	NAD
								2303290060MB-207	Northeast bolt	NAD
								2303290060MB-208	Southwest flashing	NAD
66	Roof caulking (on metal roof)	Portable 210: Rooftop at flashing and bolts	20 Square Feet	G	Misc.	No	0	2303290060MB-209	Northeast bolt	NAD
								2303290060MB-210	Center flashing	NAD
								2303290060MB-211	Southwest flashing	NAD

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Sampling results continues on the next page.

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^{BBB} Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation

^{CCC} NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
11650 Cresson Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{DDD}	Type ^{EEE}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Portables										
67	Roof caulking (on metal roof)	Portable 211 Rooftop at flashing and bolts	20 Square Feet	G	Misc.	No	0	2303290060MB-212	Northeast flashing	NAD ^{FFF}
								2303290060MB-213	Southeast flashing	NAD
								2303290060MB-214	Southwest bolt	NAD
68	Roof caulking (on metal roof)	Portable 212: Rooftop at flashing and bolts	20 Square Feet	G	Misc.	No	0	2303290060MB-215	Northeast flashing	NAD
								2303290060MB-216	Southeast bolt	NAD
								2303290060MB-217	Southwest bolt	NAD
69	Roof caulking (on metal roof)	Portable 305: Rooftop at bolts, roof jacks, flashing and HVAC units	30 Square Feet	G	Misc.	No	0	2303290060MB-218	Northwest HVAC	Layers 1 thru 3: NAD
								2303290060MB-219	Northeast HVAC	NAD
								2303290060MB-220	Southeast roof jack	Layers 1 & 2: NAD
70	Roof caulking (on metal roof)	Portable 306: Rooftop at bolts, roof jacks and flashing	20 Square Feet	G	Misc.	No	0	2303290060MB-221	North flashing	NAD
								2303290060MB-222	Southeast roof jack	NAD
								2303290060MB-223	Southwest roof jack	NAD

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The remainder of this page is blank.

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^{EEE} Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation

^{FFF} NAD = No Asbestos Detected.

IV. FINDINGS

EE conducted a limited asbestos inspection of the permanent buildings, portables and covered walkways at Cresson Elementary School, located at 11650 Cresson Street, Norwalk, California 90650.

Seventy (70) homogeneous material groups were identified during the visual property inspection. Two hundred and twenty-three (223) samples of suspect asbestos-containing materials were collected and delivered to AmeriSci of Carson, CA for analysis. The homogeneous areas and sampling results are listed on the table in Section III.

The analytical data revealed that the following material contain asbestos:

Administration Building:

- Window putty: The window putty located throughout the exterior windows and vents tested positive for asbestos content.
- Caulking: The caulking located throughout the exterior around doors tested positive for asbestos content.

100 Building:

- Window putty: The window putty located throughout the exterior windows and vents tested positive for asbestos content.
- Caulking: The caulking located throughout the exterior around doors tested positive for asbestos content.

200 Building:

- Roof mastic: The roof mastic located throughout rooftop at roof jacks, flashing, fans, penetration, HVAC jacks, seams and patched areas tested positive for asbestos content.
- Window putty: The window putty located throughout the exterior windows and vents tested positive for asbestos content.
- Caulking: The caulking located throughout the exterior around doors tested positive for asbestos content.

300 Building:

- Roof mastic: The roof mastic located throughout rooftop at roof pipe jacks, flashing, fans jacks, penetration, HVAC jacks, seams and patched areas tested positive for asbestos content.
- Window putty: The window putty located throughout the exterior windows and vents tested positive for asbestos content.
- Caulking: The caulking located throughout the exterior around doors tested positive for asbestos content.

400 Building:

- Roof mastic: The roof mastic located throughout rooftop at roof pipe jacks, flashing, fans jacks, penetration, HVAC jacks, seams and patched areas tested positive for asbestos content.
- Window putty: The window putty located throughout the exterior windows and vents tested positive for asbestos content.
- Caulking: The caulking located throughout the exterior around doors tested positive for asbestos content.

500 Building:

- Window putty: The window putty located throughout the exterior windows and vents tested positive for asbestos content.

MPR Building:

- Roof mastic: The roof mastic located throughout rooftops no. 1 and 2 at roof jacks, HVAC units, flashing, penetration, seams and patched areas tested positive for asbestos content.
- Window putty: The window putty located where brick and stucco tested positive for asbestos content.

Covered Walkways:

- Roofing coating material: The roofing coating material located throughout Covered walkways no. 1 and 2 tested positive for asbestos content.
- Roof mastic: The roof mastic located throughout Covered walkways no. 1 and 2 at roof deck, patches and conduit pads tested positive for asbestos content.
- Conduit pads: The conduit pads located at Covered walkway no. 1 tested positive for asbestos content
- Texture coat: The texture coat located throughout roof top of Covered walkway no. 1 tested positive for asbestos content.

V. CONCLUSIONS/RECOMMENDATIONS

Normally, asbestos-containing material found to be in good condition is not considered a hazard, unless it is disturbed. Prior to the start of any activity, such as remodeling, demolition, or renovation, that might disturb this material, a Certified Asbestos Consultant should be contracted to design and monitor the project. A California-licensed asbestos contractor should be hired to complete the asbestos abatement procedures.

If you have any questions, please call Mr. Tim Galeana at 626-441-7050. We are glad we could be of service to you.

VI. DISCLAIMER/REPORT LIMITATIONS

All reports and recommendations are based on conditions and practices observed and information made available to Executive Environmental (EE) by the client and the designated sites/facilities on the days sampling was conducted. This report does not purport to set forth all hazards, nor to indicate that other hazards do not exist. No responsibility is assumed by EE for the control or correction of conditions or practices existing at the facilities, or at any other premises surveyed by EE, for and on the behalf of the client. Services provided by EE shall be governed by the standard of practice for professional services measured at the time those services are rendered.

All information contained in this report is proprietary and limited to the scope of services, parameters of the analytical methods used and the conditions present at the time of this inspection. Any references to quantities are considered estimates and are not to be construed as actual.

APPENDIX A – LABORATORY ANALYSIS REPORT



Please Reply To:

AmeriSci Los Angeles

24416 S. Main Street, Ste 308

Carson, California 90745

TEL: (310) 834-4868 • FAX: (310) 834-4772

LABORATORY ELECTRONIC TRANSMITTAL

To: Yesenia Galeana
Executive Environmental Services Corporatio

From: Megan A DeLara

Fax #:

AmeriSci Job #: 923031519

Subject: PLM 5 day Results

Client Project: 23-Z0187-0060; Admin, Building
100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable
205, 206, 207, 208, 209, 210, 211,
212, 305, 306

Email: info@execenv.com, ygaleana@execenv.com

Date: Thursday, April 6, 2023

Time: 18:11:56

Comments:

Number of Pages: _____
(including cover sheet)

NOTE: Attached report is to be considered preliminary until final review with accompanying analysis summary letter is issued.

CONFIDENTIALITY NOTICE: Unless otherwise indicated, the information contained in this communication is confidential information intended for use of the individual named above. If the reader of this communication is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is prohibited. If you have received this communication in error, please immediately notify the sender by telephone and return the original message to the above address via the US Postal Service at our expense. Samples are disposed of in 60 days or unless otherwise instructed by the protocol or special instructions in writing. Thank you.

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TEL: (310) 834-4868 • FAX: (310) 834-4772

PLM Bulk Asbestos Report

Executive Environmental Services Corpor	Date Received 03/30/23	AmeriSci Job # 923031519
Attn: Yesenia Galeana	Date Examined 04/03/23	P.O. #
310 East Foothill Blvd.		Page 1 of 46
Suite 200	RE: 23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,	
Arcadia, CA 91006	Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,	
	211, 212, 305, 306	

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270060MB-1 Location: Admin NW / Roof Core / Admin T-O Roof Analyst Description: Black, Homogeneous, Fibrous, Roof Core Asbestos Types: Other Material: Fibrous glass 10%, Non-fibrous 90%	923031519-01	No	NAD (by CVES) by Megan A DeLara on 04/03/23
2303270060MB-2 Location: Admin Center / Roof Core / Admin T-O Roof Analyst Description: Black, Homogeneous, Fibrous, Roof Core Asbestos Types: Other Material: Fibrous glass 10%, Non-fibrous 90%	923031519-02	No	NAD (by CVES) by Megan A DeLara on 04/03/23
2303270060MB-3 Location: Admin SE / Roof Core / Admin T-O Roof Analyst Description: Black, Homogeneous, Fibrous, Roof Core Asbestos Types: Other Material: Fibrous glass 10%, Non-fibrous 90%	923031519-03	No	NAD (by CVES) by Megan A DeLara on 04/03/23
2303270060MB-4 Location: Admin NW Edge / Roof Core Patch / Admin At Roof Edges, Some Roof Penetrations, And Vent Analyst Description: Black, Homogeneous, Fibrous, Patch Core Asbestos Types: Other Material: Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 80%	923031519-04	No	NAD (by CVES) by Megan A DeLara on 04/03/23
2303270060MB-5 Location: Admin Center Patch / Roof Core Patch / Admin At Roof Edges, Some Roof Penetrations, And Vent Analyst Description: Black, Homogeneous, Fibrous, Patch Core Asbestos Types: Other Material: Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 80%	923031519-05	No	NAD (by CVES) by Megan A DeLara on 04/03/23

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270060MB-6	923031519-06	No	NAD
Location: Admin SE Vent / Roof Core Patch / Admin At Roof Edges, Some Roof Penetrations, And Vent			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Core Patch			
Asbestos Types:			
Other Material: Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 80%			
2303270060MB-7	923031519-07	No	NAD
Location: Admin NW Conduit Pad / Roof Mastic / Admin Roof At Flashings, Roof Jacks, Vent, Conduit Pad			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Roofing Mastic			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270060MB-8	923031519-08	No	NAD
Location: Admin Center Roof Jack / Roof Mastic / Admin Roof At Flashings, Roof Jacks, Vent, Conduit Pad			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Roofing Mastic			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270060MB-9	923031519-09	No	NAD
Location: Admin SE Vent / Roof Mastic / Admin Roof At Flashings, Roof Jacks, Vent, Conduit Pad			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Roofing Mastic			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270060MB-10	923031519-10	No	NAD
Location: Admin NW / Conduit Pads / Admin Under Conduit			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Conduit Pad			
Asbestos Types:			
Other Material: Fibrous glass 5%, Non-fibrous 95%			
2303270060MB-11	923031519-11	No	NAD
Location: Admin SW / Conduit Pads / Admin Under Conduit			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Conduit Pad			
Asbestos Types:			
Other Material: Fibrous glass 5%, Non-fibrous 95%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270060MB-12	923031519-12	No	NAD
Location: Admin Center / Conduit Pads / Admin Under Conduit			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Conduit Pad			
Asbestos Types:			
Other Material: Fibrous glass 5%, Non-fibrous 95%			
2303270060MB-13	923031519-13	No	NAD
Location: Roof NE / Roof Core / Building 100 T-O Roof			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-14	923031519-14	No	NAD
Location: Roof Center / Roof Core / Building 100 T-O Roof			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-15	923031519-15	No	NAD
Location: Roof SW / Roof Core / Building 100 T-O Roof			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-16	923031519-16	No	NAD
Location: Roof NE / Roof Patch Core / Building 100 At Edges, HVAC Jacks, Fans			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 80%			
2303270060MB-17	923031519-17	No	NAD
Location: Roof Center / Roof Patch Core / Building 100 At Edges, HVAC Jacks, Fans			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270060MB-18	923031519-18	No	NAD
Location: Roof SW / Roof Patch Core / Building 100 At Edges, HVAC Jacks, Fans			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-19	923031519-19	No	NAD
Location: Roof N Vent / Roof Mastic / Building 100 Roof Jacks, HVAC Jacks, Fans, Flashings, Patches			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Roofing Mastic			
Asbestos Types:			
Other Material: Cellulose 10%, Non-fibrous 90%			
2303270060MB-20	923031519-20	No	NAD
Location: Roof Center HVAC Jack / Roof Mastic / Building 100 Roof Jacks, HVAC Jacks, Fans, Flashings, Patches			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Roofing Mastic			
Asbestos Types:			
Other Material: Cellulose 10%, Non-fibrous 90%			
2303270060MB-21	923031519-21	No	NAD
Location: Roof SW Roof Jack / Roof Mastic / Building 100 Roof Jacks, HVAC Jacks, Fans, Flashings, Patches			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types:			
Other Material: Cellulose 10%, Non-fibrous 90%			
2303270060MB-22	923031519-22	No	NAD
Location: Roof E / Roof Core / Building 200 T-O Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-23	923031519-23	No	NAD
Location: Roof N / Roof Core / Building 200 T-O Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270060MB-24	923031519-24	No	NAD
Location: Roof SW / Roof Core / Building 200 T-O Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Cellulose 2%, Fibrous glass 10%, Non-fibrous 88%			
2303270060MB-25	923031519-25	No	NAD
Location: Roof E Edge / Roof Patch Core / Building 200 Roof Edges, HVAC Jacks, Fans			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 80%			
2303270060MB-26	923031519-26	No	NAD
Location: Roof N Fan / Roof Patch Core / Building 200 Roof Edges, HVAC Jacks, Fans			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 80%			
2303270060MB-27	923031519-27	No	NAD
Location: Roof SW HVAC / Roof Patch Core / Building 200 Roof Edges, HVAC Jacks, Fans			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 80%			
2303270060MB-28	923031519-28	Yes	5%
Location: Roof SE Flashing / Roof Mastic / Building 200 Flashings, Roof Jacks, HVAC, Fans			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303270060MB-29	923031519-29	No	5%
Location: Roof N Fan / Roof Mastic / Building 200 Flashings, Roof Jacks, HVAC, Fans			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270060MB-30	923031519-30	No	5%
Location: Roof SW Roof Jack / Roof Mastic / Building 200 Flashings, Roof Jacks, HVAC, Fans			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black/Silver, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303270060MB-31	923031519-31	No	NAD
Location: Roof E / Roof Core / Building 300 T-O Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-32	923031519-32	No	NAD
Location: Roof Center / Roof Core / Building 300 T-O Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-33	923031519-33	No	NAD
Location: Roof SW / Roof Core / Building 300 T-O Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-34	923031519-34	No	NAD
Location: Roof E Edge / Roof Patch Core / Building 300 At Edges, Fans, HVAC Units			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-35	923031519-35	No	NAD
Location: Roof Center Fan / Roof Patch Core / Building 300 At Edges, Fans, HVAC Units			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270060MB-36	923031519-36	No	NAD
Location: Roof W HVAC / Roof Patch Core / Building 300 At Edges, Fans, HVAC Units			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 80%			
2303270060MB-37	923031519-37	Yes	5%
Location: Roof SE Flashing / Roof Mastic / Building 300 Roof At Flashings, Roof Pipe Jacks, HVAC Jacks, Fan Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303270060MB-38	923031519-38	No	5%
Location: Roof Center HVAC Jack / Roof Mastic / Building 300 Roof At Flashings, Roof Pipe Jacks, HVAC Jacks, Fan Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303270060MB-39	923031519-39	No	5%
Location: Roof Fan Jack / Roof Mastic / Building 300 Roof At Flashings, Roof Pipe Jacks, HVAC Jacks, Fan Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303270060MB-40	923031519-40	No	NAD
Location: Roof E / Roof Core / Building 400 T-O Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Cellulose 2%, Fibrous glass 10%, Non-fibrous 88%			
2303270060MB-41	923031519-41	No	NAD
Location: Roof Center / Roof Core / Building 400 T-O Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Cellulose 2%, Fibrous glass 10%, Non-fibrous 88%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270060MB-42	923031519-42	No	NAD
Location: Roof SW / Roof Core / Building 400 T-O Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Cellulose 2%, Fibrous glass 10%, Non-fibrous 88%			
2303270060MB-43	923031519-43	No	NAD
Location: Roof E Edge / Roof Patch Core / Building 400 Roof At Edges, HVAC Roof Jacks, And Fan Roof Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-44	923031519-44	No	NAD
Location: Roof Center HVAC / Roof Patch Core / Building 400 Roof At Edges, HVAC Roof Jacks, And Fan Roof Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-45	923031519-45	No	NAD
Location: Roof SW Fan / Roof Patch Core / Building 400 Roof At Edges, HVAC Roof Jacks, And Fan Roof Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 80%			
2303270060MB-46	923031519-46	Yes	5%
Location: Roof SE Roof Pipe Jack / Roof Mastic / Building 400 Roof At Patches, Flashings, Roof Pipe Jacks, Roof Fan Jacks, Roof HVAC Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303270060MB-47	923031519-47	Yes	5%
Location: Roof Center HVAC / Roof Mastic / Building 400 Roof At Patches, Flashings, Roof Pipe Jacks, Roof Fan Jacks, Roof HVAC Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270060MB-48	923031519-48	Yes	5%
Location: Roof SW Fan / Roof Mastic / Building 400 Roof At Patches, Flashings, Roof Pipe Jacks, Roof Fan Jacks, Roof HVAC Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303270060MB-49	923031519-49	No	NAD
Location: Roof E / Roof Core / Building 500 T-O Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-50	923031519-50	No	NAD
Location: Roof Center / Roof Core / Building 500 T-O Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-51	923031519-51	No	NAD
Location: Roof SW / Roof Core / Building 500 T-O Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-52	923031519-52	No	NAD
Location: Roof E Edge / Roof Patch Core / Building 500 Roof At Edges, HVAC Units Fans And Roof Jakcs			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 80%			
2303270060MB-53	923031519-53	No	NAD
Location: Roof Center HVAC / Roof Patch Core / Building 500 Roof At Edges, HVAC Units Fans And Roof Jakcs			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			

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23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270060MB-54	923031519-54	No	NAD
Location: Roof SW Fan / Roof Patch Core / Building 500 Roof At Edges, HVAC Units Fans And Roof Jakcs			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core Asbestos Types: Other Material: Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 80%			
2303270060MB-55	923031519-55	No	NAD
Location: Roof E Pipe Jack / Roof Mastic / Building 500 Roof At Patches, Flashings, Roof Jacks, Fans, And HVAC Units			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic Asbestos Types: Other Material: Cellulose 10%, Non-fibrous 90%			
2303270060MB-56	923031519-56	No	NAD
Location: Roof Center HVAC Jack / Roof Mastic / Building 500 Roof At Patches, Flashings, Roof Jacks, Fans, And HVAC Units			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic Asbestos Types: Other Material: Cellulose 10%, Non-fibrous 90%			
2303270060MB-57	923031519-57	No	NAD
Location: Roof SW Fan Jack / Roof Mastic / Building 500 Roof At Patches, Flashings, Roof Jacks, Fans, And HVAC Units			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Roofing Mastic Asbestos Types: Other Material: Cellulose 10%, Non-fibrous 90%			
2303270060MB-58	923031519-58	No	NAD
Location: Roof 1 NE / Roof Core / MPR Roof 1 T-O			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core Asbestos Types: Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-59	923031519-59	No	NAD
Location: Roof 1 Center / Roof Core / MPR Roof 1 T-O			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core Asbestos Types: Other Material: Fibrous glass 10%, Non-fibrous 90%			

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270060MB-60 Location: Roof 1 S / Roof Core / MPR Roof 1 T-O	923031519-60	No	NAD (by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Cellulose 2%, Fibrous glass 10%, Non-fibrous 88%			
2303280060MB-61 Location: Roof 1 NE Edge / Roof Patch Core / MPR Roof 1 At Edges Chimney And South Roof Jack	923031519-61	No	NAD (by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Cellulose 2%, Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 78%			
2303280060MB-62 Location: Roof 1 S Roof Jacks / Roof Patch Core / MPR Roof 1 At Edges Chimney And South Roof Jack	923031519-62	No	NAD (by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Cellulose 2%, Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 78%			
2303280060MB-63 Location: Roof 1 SW Chimney / Roof Patch Core / MPR Roof 1 At Edges Chimney And South Roof Jack	923031519-63	No	NAD (by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 80%			
2303280060MB-64 Location: Roof 1 NE HVAC / Roof Patch Core / MPR Roof 1 At North HVAC Jacks And Vent Jacks	923031519-64	No	NAD (by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303280060MB-65 Location: Roof 1 NW HVAC / Roof Patch Core / MPR Roof 1 At North HVAC Jacks And Vent Jacks	923031519-65	No	NAD (by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-66	923031519-66	No	NAD
Location: Roof 1 NW Vent / Roof Patch Core / MPR Roof 1 At North HVAC Jacks And Vent Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303280060MB-67	923031519-67	Yes	5%
Location: Roof 1 NE Seam / Roof Mastic / MPR Roof 1 At Patches, Flashings, Seams, HVAC Units, Fans, And Roof Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303280060MB-68	923031519-68	No	NAD
Location: Roof 1 NW Roof Jack / Roof Mastic / MPR Roof 1 At Patches, Flashings, Seams, HVAC Units, Fans, And Roof Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types:			
Other Material: Cellulose 10%, Non-fibrous 90%			
2303280060MB-69	923031519-69	Yes	5%
Location: Roof 1 S Roof Jack / Roof Mastic / MPR Roof 1 At Patches, Flashings, Seams, HVAC Units, Fans, And Roof Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303280060MB-70	923031519-70	No	NAD
Location: Roof 1 S / Caulking / MPR Roof 1 At S Roof Jack			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Grey, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-71	923031519-71	No	NAD
Location: Roof 1 S / Caulking / MPR Roof 1 At S Roof Jack			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			

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23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-72	923031519-72	No	NAD
Location: Roof 1 S / Caulking / MPR Roof 1 At S Roof Jack			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-73	923031519-73	No	NAD
Location: Roof 2 N / Roof Core / MPR Roof 2 T-O			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303280060MB-74	923031519-74	No	NAD
Location: Roof 2 SE / Roof Core / MPR Roof 2 T-O			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303280060MB-75	923031519-75	No	NAD
Location: Roof 2 SW / Roof Core / MPR Roof 2 T-O			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303280060MB-76	923031519-76	No	NAD
Location: Roof 2 N At Wall / Roof Patch Core / MPR Roof 2 At Edges And Wall			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303280060MB-77	923031519-77	No	NAD
Location: Roof 2 E Edge / Roof Patch Core / MPR Roof 2 At Edges And Wall			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Cellulose 2%, Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 78%			

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-78	923031519-78	No	NAD
Location: Roof 2 SW At Wall / Roof Patch Core / MPR Roof 2 At Edges And Wall			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core Asbestos Types: Other Material: Cellulose 2%, Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 78%			
2303280060MB-79	923031519-79	No	NAD
Location: Roof 2 N Fan Jack / Roof Patch Core / MPR Roof 2 At HVAC Units And Roof Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core Asbestos Types: Other Material: Cellulose 2%, Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 78%			
2303280060MB-80	923031519-80	No	NAD
Location: Roof 2 E Vent / Roof Patch Core / MPR Roof 2 At HVAC Units And Roof Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Patch Core Asbestos Types: Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303280060MB-81	923031519-81	No	NAD
Location: Roof 2 SW Pipe Jack / Roof Patch Core / MPR Roof 2 At HVAC Units And Roof Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Patch Core Asbestos Types: Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303280060MB-82	923031519-82	Yes	5%
Location: Roof 2 N Wall Flashing / Roof Mastic / MPR Roof 2 At Flashings, HVAC Units, Fan, And Roof Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic Asbestos Types: Chrysotile 5.0 % Other Material: Non-fibrous 95%			
2303280060MB-83	923031519-83	No	5%
Location: Roof 2 E Fan / Roof Mastic / MPR Roof 2 At Flashings, HVAC Units, Fan, And Roof Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic Asbestos Types: Chrysotile 5.0 % Other Material: Non-fibrous 95%			

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Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-84	923031519-84	No	5%
Location: Roof 2 W Roof Pipe Jack / Roof Mastic / MPR Roof 2 At Flashings, HVAC Units, Fan, And Roof Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303280060MB-85	923031519-85	No	NAD
Location: Roof 2 SW / HVAC Duct Mastic / MPR Roof 2 On HVAC Ducts			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Duct Mastic			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-86	923031519-86	No	NAD
Location: Roof 2 SW / HVAC Duct Mastic / MPR Roof 2 On HVAC Ducts			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Duct Mastic			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-87	923031519-87	No	NAD
Location: Roof 2 SW / HVAC Duct Mastic / MPR Roof 2 On HVAC Ducts			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Duct Mastic			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-88	923031519-88	Yes	20%
Location: Roof NE / Roof Coating (On Metal) / Covered Walkway 1 Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Gray, Homogeneous, Fibrous, Roof Coating			
Asbestos Types: Chrysotile 20.0 %			
Other Material: Cellulose 5%, Non-fibrous 75%			
2303280060MB-89	923031519-89	Yes	20%
Location: Roof N / Roof Coating (On Metal) / Covered Walkway 1 Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Gray, Homogeneous, Fibrous, Roof Coating			
Asbestos Types: Chrysotile 20.0 %			
Other Material: Non-fibrous 80%			

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Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-90	923031519-90	Yes	20%
Location: Roof E / Roof Coating (On Metal) / Covered Walkway 1 Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Gray, Homogeneous, Fibrous, Roof Coating			
Asbestos Types: Chrysotile 20.0 %			
Other Material: Non-fibrous 80%			
2303280060MB-91	923031519-91	Yes	25%
Location: Roof SW / Roof Coating (On Metal) / Covered Walkway 1 Roof			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Fibrous, Coating			
Asbestos Types: Chrysotile 25.0 %			
Other Material: Non-fibrous 75%			
2303280060MB-92	923031519-92	Yes	25%
Location: Roof SE / Roof Coating (On Metal) / Covered Walkway 1 Roof			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Fibrous, Coating			
Asbestos Types: Chrysotile 25.0 %			
Other Material: Non-fibrous 75%			
2303280060MB-93	923031519-93	Yes	5%
Location: Roof NE / Roof Mastic / Covered Walkway 1 Patches On Roof Deck And On Conduit Pads			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303280060MB-94	923031519-94	No	5%
Location: Roof N / Roof Mastic / Covered Walkway 1 Patches On Roof Deck And On Conduit Pads			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303280060MB-95	923031519-95	No	5%
Location: Roof S / Roof Mastic / Covered Walkway 1 Patches On Roof Deck And On Conduit Pads			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			

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Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-96	923031519-96	No	NAD
Location: Roof NE / Conduit Pads / Covered Walkway 1 T-O			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Pad			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 20%, Non-fibrous 70%			
2303280060MB-97	923031519-97	No	NAD
Location: Roof N / Conduit Pads / Covered Walkway 1 T-O			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Black, Homogeneous, Fibrous, Pad			
Asbestos Types:			
Other Material: Fibrous glass 20%, Non-fibrous 80%			
2303280060MB-98	923031519-98	Yes	2%
Location: Roof SE / Conduit Pads / Covered Walkway 1 T-O			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Black, Heterogeneous, Fibrous, Pad			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Fibrous glass 20%, Non-fibrous 78%			
2303280060MB-99	923031519-99	Yes	Trace (<1 %) ¹
Location: CW 1 NE / Texture Coating / Ceiling Of Covered Walkway			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: White, Heterogeneous, Non-Fibrous, Texture			
Asbestos Types: Chrysotile <1. %			
Other Material: Cellulose 2%, Non-fibrous 98%			
2303280060MB-100	923031519-100L1	Yes	Trace (<1 %) ¹
Location: CW 1 N / Texture Coating / Ceiling Of Covered Walkway			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: White, Homogeneous, Non-Fibrous, Texture			
Asbestos Types: Chrysotile <1. %			
Other Material: Non-fibrous 100%			
2303280060MB-100	923031519-100L2	Yes	25%
Location: CW 1 N / Texture Coating / Ceiling Of Covered Walkway			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray/Red, Heterogeneous, Fibrous, Fibrous Material			
Asbestos Types: Chrysotile 25.0 %			
Other Material: Non-fibrous 75%			

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211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-101 Location: CW 1 W / Texture Coating / Ceiling Of Covered Walkway Analyst Description: White, Heterogeneous, Non-Fibrous, Texture Asbestos Types: Chrysotile <1. % Other Material: Non-fibrous 100%	923031519-101	Yes	10% ¹ (by CVES) by Patricia Weakley on 04/04/23
2303280060MB-102 Location: CW 1 E / Texture Coating / Ceiling Of Covered Walkway Analyst Description: White, Homogeneous, Non-Fibrous, Texture Asbestos Types: Other Material: Cellulose 2%, Non-fibrous 98%	923031519-102	No	10% (by CVES) by Patricia Weakley on 04/04/23
2303280060MB-103 Location: CW 1 S / Texture Coating / Ceiling Of Covered Walkway Analyst Description: Gray, Homogeneous, Fibrous, Texture Asbestos Types: Chrysotile <1. % Other Material: Non-fibrous 100%	923031519-103L1	Yes	Trace (<1 %) ¹ (by CVES) by Patricia Weakley on 04/04/23
2303280060MB-103 Location: CW 1 S / Texture Coating / Ceiling Of Covered Walkway Analyst Description: Gray/Red, Heterogeneous, Fibrous, Fibrous Material Asbestos Types: Chrysotile 10.0 % Other Material: Non-fibrous 90%	923031519-103L2	Yes	10% (by CVES) by Patricia Weakley on 04/04/23
2303280060MB-104 Location: CW 2 N / Roof Coating (On Metal) / T-O Covered Walkway 2 Roof Deck Analyst Description: Gray, Homogeneous, Fibrous, Coating Asbestos Types: Chrysotile 75.0 % Other Material: Non-fibrous 25%	923031519-104	Yes	75% (by CVES) by Patricia Weakley on 04/04/23
2303280060MB-105 Location: CW 2 NW / Roof Coating (On Metal) / T-O Covered Walkway 2 Roof Deck Analyst Description: Gray, Homogeneous, Fibrous, Coating Asbestos Types: Chrysotile 25.0 % Other Material: Non-fibrous 75%	923031519-105	Yes	25% (by CVES) by Patricia Weakley on 04/04/23

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Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-106	923031519-106	Yes	50%
Location: CW 2 W / Roof Coating (On Metal) / T-O Covered Walkway 2 Roof Deck			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Fibrous, Coating			
Asbestos Types: Chrysotile 50.0 %			
Other Material: Non-fibrous 50%			
2303280060MB-107	923031519-107	Yes	25%
Location: CW 2 E / Roof Coating (On Metal) / T-O Covered Walkway 2 Roof Deck			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Fibrous, Coating			
Asbestos Types: Chrysotile 25.0 %			
Other Material: Non-fibrous 75%			
2303280060MB-108	923031519-108	Yes	25%
Location: CW 2 SE / Roof Coating (On Metal) / T-O Covered Walkway 2 Roof Deck			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Fibrous, Coating			
Asbestos Types: Chrysotile 25.0 %			
Other Material: Non-fibrous 75%			
2303280060MB-109	923031519-109	Yes	5%
Location: CW 2 NW / Roof Mastic / T-O Covered Walkway 2 On Roof Deck And Under Conduit Pads			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Black, Heterogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Cellulose 10%, Non-fibrous 85%			
2303280060MB-110	923031519-110	Yes	5%
Location: CW 2 N / Roof Mastic / T-O Covered Walkway 2 On Roof Deck And Under Conduit Pads			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Black/Grey, Heterogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303280060MB-111	923031519-111	No	NAD
Location: CW 2 SW / Roof Mastic / T-O Covered Walkway 2 On Roof Deck And Under Conduit Pads			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types:			
Other Material: Cellulose 10%, Non-fibrous 90%			

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211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-112	923031519-112	No	NAD
Location: CW 2 N / Texture Coating / Covered Walkway 2 Exterior T-O Ceiling			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Tan, Homogeneous, Non-Fibrous, Texture			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-113	923031519-113	No	NAD
Location: CW 2 NW / Texture Coating / Covered Walkway 2 Exterior T-O Ceiling			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: White, Homogeneous, Non-Fibrous, Texture			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-114	923031519-114	No	NAD
Location: CW 2 W / Texture Coating / Covered Walkway 2 Exterior T-O Ceiling			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: White, Homogeneous, Non-Fibrous, Texture			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-115	923031519-115	No	NAD
Location: CW 2 E / Texture Coating / Covered Walkway 2 Exterior T-O Ceiling			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: White, Homogeneous, Non-Fibrous, Texture			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-116	923031519-116	No	NAD
Location: CW 2 SE / Texture Coating / Covered Walkway 2 Exterior T-O Ceiling			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: White, Homogeneous, Non-Fibrous, Texture			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-117	923031519-117L1	No	NAD
Location: Admin NE Wall / Brick And Mortar / Admin Exterior Walls			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			

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Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-117 Location: Admin NE Wall / Brick And Mortar / Admin Exterior Walls	923031519-117L2	No	NAD (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-118 Location: Admin NW Wall / Brick And Mortar / Admin Exterior Walls	923031519-118L1	No	NAD (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-118 Location: Admin NW Wall / Brick And Mortar / Admin Exterior Walls	923031519-118L2	No	NAD (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-119 Location: Admin SW Wall / Brick And Mortar / Admin Exterior Walls	923031519-119L1	No	NAD (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-119 Location: Admin SW Wall / Brick And Mortar / Admin Exterior Walls	923031519-119L2	No	NAD (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-120 Location: Admin NW / Window Putty / Admin Exterior Windows And Around Some Windows And Vents	923031519-120L1	Yes	2% (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty #1			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			

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Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-120	923031519-120L2	No	NAD
Location: Admin NW / Window Putty / Admin Exterior Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: White, Homogeneous, Non-Fibrous, Putty #2			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-121	923031519-121	Yes	2%
Location: Admin E / Window Putty / Admin Exterior Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Lt. Grey, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303280060MB-122	923031519-122	Yes	2%
Location: Admin W / Window Putty / Admin Exterior Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Lt. Grey, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303280060MB-123	923031519-123L1	No	NAD
Location: Admin SW / Caulking / Admin Exterior Around Doors			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Dark Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-123	923031519-123L2	Yes	5%
Location: Admin SW / Caulking / Admin Exterior Around Doors			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Lt. Grey, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303280060MB-124	923031519-124L1	No	NAD
Location: Admin S / Caulking / Admin Exterior Around Doors			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Dark Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			

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211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-124	923031519-124L2	Yes	3%
Location: Admin S / Caulking / Admin Exterior Around Doors			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Lt. Grey, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 3.0 %			
Other Material: Non-fibrous 97%			
2303280060MB-125	923031519-125	No	NAD
Location: Admin SE / Caulking / Admin Exterior Around Doors			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-126	923031519-126L1	No	NAD
Location: Admin S / Stucco / Admin Exterior Drinking Fountain			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Stucco - Top Coat			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-126	923031519-126L2	No	NAD
Location: Admin S / Stucco / Admin Exterior Drinking Fountain			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-127	923031519-127	No	NAD
Location: Admin S / Stucco / Admin Exterior Drinking Fountain			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-128	923031519-128L1	No	NAD
Location: Admin S / Stucco / Admin Exterior Drinking Fountain			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Stucco - Top Coat			
Asbestos Types:			
Other Material: Non-fibrous 100%			

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Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-128 Location: Admin S / Stucco / Admin Exterior Drinking Fountain	923031519-128L2	No	NAD (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Stucco Asbestos Types: Other Material: Non-fibrous 100%			
2303280060MB-129 Location: Building 100 NE / Brick And Mortar / Building 100 Exterior Walls	923031519-129L1	No	NAD (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick Asbestos Types: Other Material: Non-fibrous 100%			
2303280060MB-129 Location: Building 100 NE / Brick And Mortar / Building 100 Exterior Walls	923031519-129L2	No	NAD (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar Asbestos Types: Other Material: Non-fibrous 100%			
2303280060MB-130 Location: Building 100 SE / Brick And Mortar / Building 100 Exterior Walls	923031519-130L1	No	NAD (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick Asbestos Types: Other Material: Non-fibrous 100%			
2303280060MB-130 Location: Building 100 SE / Brick And Mortar / Building 100 Exterior Walls	923031519-130L2	No	NAD (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar Asbestos Types: Other Material: Non-fibrous 100%			
2303280060MB-131 Location: Building 100 W / Brick And Mortar / Building 100 Exterior Walls	923031519-131L1	No	NAD (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick Asbestos Types: Other Material: Non-fibrous 100%			

Client Name: Executive Environmental Services Corporation

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Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-131	923031519-131L2	No	NAD
Location: Building 100 W / Brick And Mortar / Building 100 Exterior Walls			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-132	923031519-132	No	2%
Location: Building 100 E / Window Putty / Building 100 Exterior Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 2.0			
%Other Material: Non-fibrous 98%			
2303280060MB-133	923031519-133	No	2%
Location: Building 100 SE / Window Putty / Building 100 Exterior Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303280060MB-134	923031519-134	Yes	Trace (<1 %)
Location: Building 100 W / Window Putty / Building 100 Exterior Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile <1. %			
Other Material: Non-fibrous 100%			
2303280060MB-135	923031519-135L1	No	NAD
Location: Building 100 NE / Caulking / Building 100 Exterior Around Doors			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Clear, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-135	923031519-135L2	Yes	2%
Location: Building 100 NE / Caulking / Building 100 Exterior Around Doors			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-136	923031519-136L1	No	NAD
Location: Building 100 SE / Caulking / Building 100 Exterior Around Doors			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-136	923031519-136L2	Yes	2%
Location: Building 100 SE / Caulking / Building 100 Exterior Around Doors			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303280060MB-137	923031519-137L1	No	NAD
Location: Building 100 SW / Caulking / Building 100 Exterior Around Doors			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-137	923031519-137L2	Yes	3%
Location: Building 100 SW / Caulking / Building 100 Exterior Around Doors			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 3.0 %			
Other Material: Non-fibrous 97%			
2303280060MB-138	923031519-138L1	No	NAD
Location: Building 200 NW / Brick And Mortar / Building 200 Exterior Walls			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-138	923031519-138L2	No	NAD
Location: Building 200 NW / Brick And Mortar / Building 200 Exterior Walls			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-139	923031519-139L1	No	NAD
Location: Building 200 S / Brick And Mortar / Building 200 Exterior Walls			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-139	923031519-139L2	No	NAD
Location: Building 200 S / Brick And Mortar / Building 200 Exterior Walls			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-140	923031519-140L1	No	NAD
Location: Building 200 W / Brick And Mortar / Building 200 Exterior Walls			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-140	923031519-140L2	No	NAD
Location: Building 200 W / Brick And Mortar / Building 200 Exterior Walls			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-141	923031519-141	No	5%
Location: Building 200 NE / Window Putty / Building 200 Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303280060MB-142	923031519-142	No	5%
Location: Building 200 E / Window Putty / Building 200 Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-143	923031519-143	Yes	2%
Location: Building 200 SW / Window Putty / Building 200 Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303280060MB-144	923031519-144	No	2%
Location: Building 200 NE / Caulking / Building 200 Around Doors			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303280060MB-145	923031519-145	No	2%
Location: Building 200 E / Caulking / Building 200 Around Doors			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303280060MB-146	923031519-146L1	No	NAD
Location: Building 200 SE / Caulking / Building 200 Around Doors			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-146	923031519-146L2	Yes	Trace (<1 %)
Location: Building 200 SE / Caulking / Building 200 Around Doors			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile <1. %			
Other Material: Non-fibrous 100%			
2303290060MB-147	923031519-147L1	No	NAD
Location: Building 300 NE / Brick And Mortar / Building 300 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-147	923031519-147L2	No	NAD
Location: Building 300 NE / Brick And Mortar / Building 300 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-148	923031519-148L1	No	NAD
Location: Building 300 SE / Brick And Mortar / Building 300 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-148	923031519-148L2	No	NAD
Location: Building 300 SE / Brick And Mortar / Building 300 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-149	923031519-149L1	No	NAD
Location: Building 300 SW / Brick And Mortar / Building 300 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-149	923031519-149L2	No	NAD
Location: Building 300 SW / Brick And Mortar / Building 300 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-150	923031519-150	No	NAD
Location: Building 300 NE / Window Putty / Building 300 Exterior Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-151	923031519-151	Yes	5%
Location: Building 300 SE / Window Putty / Building 300 Exterior Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303290060MB-152	923031519-152	Yes	5%
Location: Building 300 SW / Window Putty / Building 300 Exterior Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303290060MB-153	923031519-153	No	NAD
Location: Building 300 NE / Caulking / Building 300 Around Doors			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-154	923031519-154L1	Yes	5%
Location: Building 300 SE / Caulking / Building 300 Around Doors			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: White, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303290060MB-154	923031519-154L2	No	NAD
Location: Building 300 SE / Caulking / Building 300 Around Doors			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-155	923031519-155	No	NAD
Location: Building 300 S / Caulking / Building 300 Around Doors			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-156	923031519-156L1	No	NAD
Location: Building 300 S / Stucco / Building 300 S Drinking Fountain			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Stucco - Top Coat			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-156	923031519-156L2	No	NAD
Location: Building 300 S / Stucco / Building 300 S Drinking Fountain			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-157	923031519-157L1	No	NAD
Location: Building 300 S / Stucco / Building 300 S Drinking Fountain			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Stucco - Top Coat			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-157	923031519-157L2	No	NAD
Location: Building 300 S / Stucco / Building 300 S Drinking Fountain			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-158	923031519-158	No	NAD
Location: Building 300 S / Stucco / Building 300 S Drinking Fountain			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-159	923031519-159L1	No	NAD
Location: Building 400 NE / Brick And Mortar / Building 400 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-159	923031519-159L2	No	NAD
Location: Building 400 NE / Brick And Mortar / Builing 400 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-160	923031519-160L1	No	NAD
Location: Building 400 E / Brick And Mortar / Builing 400 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-160	923031519-160L2	No	NAD
Location: Building 400 E / Brick And Mortar / Builing 400 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-161	923031519-161L1	No	NAD
Location: Building 400 SE / Brick And Mortar / Builing 400 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-161	923031519-161L2	No	NAD
Location: Building 400 SE / Brick And Mortar / Builing 400 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-162	923031519-162	Yes	5%
Location: Building 400 E / Window Putty / Building 400 Exterior Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-163	923031519-163	No	5%
Location: Building 400 SE / Window Putty / Building 400 Exterior Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303290060MB-164	923031519-164	No	5%
Location: Building 400 SW / Window Putty / Building 400 Exterior Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303290060MB-165	923031519-165	No	NAD
Location: Building 400 E / Caulking / Building 400 Exterior Around Doors			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-166	923031519-166L1	No	NAD
Location: Building 400 SE / Caulking / Building 400 Exterior Around Doors			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-166	923031519-166L2	Yes	2%
Location: Building 400 SE / Caulking / Building 400 Exterior Around Doors			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303290060MB-167	923031519-167	No	2%
Location: Building 400 S / Caulking / Building 400 Exterior Around Doors			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-168	923031519-168	No	NAD
Location: Building 400 SE / Stucco / Building 400 SE Drinking Fountain			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Lt. Grey, Homogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-169	923031519-169	No	NAD
Location: Building 400 SE / Stucco / Building 400 SE Drinking Fountain			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Lt. Grey, Homogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-170	923031519-170	No	NAD
Location: Building 400 SE / Stucco / Building 400 SE Drinking Fountain			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Lt. Grey, Homogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-171	923031519-171L1	No	NAD
Location: Building 500 NE / Brick And Mortar / Building 500 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-171	923031519-171L2	No	NAD
Location: Building 500 NE / Brick And Mortar / Building 500 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-172	923031519-172L1	No	NAD
Location: Building 500 SE / Brick And Mortar / Building 500 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-172	923031519-172L2	No	NAD
Location: Building 500 SE / Brick And Mortar / Building 500 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-173	923031519-173L1	No	NAD
Location: Building 500 SW / Brick And Mortar / Building 500 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-173	923031519-173L2	No	NAD
Location: Building 500 SW / Brick And Mortar / Building 500 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-174	923031519-174	No	2%
Location: Building 500 NE / Window Putty / Building 500 Exterior Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303290060MB-175	923031519-175	No	2%
Location: Building 500 SE / Window Putty / Building 500 Exterior Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303290060MB-176	923031519-176	Yes	2%
Location: Building 500 SW / Window Putty / Building 500 Exterior Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-177	923031519-177	No	NAD
Location: Building 500 NE / Caulking / Building 500 Exterior Around Doors			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Clear, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-178	923031519-178	No	NAD
Location: Building 500 SE / Caulking / Building 500 Exterior Around Doors			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-179	923031519-179L1	No	NAD
Location: Building 500 S / Caulking / Building 500 Exterior Around Doors			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Clear, Homogeneous, Non-Fibrous, Caulk #1			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-179	923031519-179L2	No	NAD
Location: Building 500 S / Caulking / Building 500 Exterior Around Doors			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk #2			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-180	923031519-180L1	No	NAD
Location: MPR Exterior NE / Brick And Mortar / MPR Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-180	923031519-180L2	No	NAD
Location: MPR Exterior NE / Brick And Mortar / MPR Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-181 Location: MPR Exterior E / Brick And Mortar / MPR Exterior Walls	923031519-181L1	No	NAD (by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-181 Location: MPR Exterior E / Brick And Mortar / MPR Exterior Walls	923031519-181L2	No	NAD (by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-182 Location: MPR Exterior S / Brick And Mortar / MPR Exterior Walls	923031519-182L1	No	NAD (by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-182 Location: MPR Exterior S / Brick And Mortar / MPR Exterior Walls	923031519-182L2	No	NAD (by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-183 Location: MPR North / Stucco / MPR Exterior Overhangs And Walls In Some Areas	923031519-183	No	NAD (by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Lt. Grey, Homogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-184 Location: MPR East / Stucco / MPR Exterior Overhangs And Walls In Some Areas	923031519-184	No	NAD (by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Lt. Grey, Homogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-185 Location: MPR West / Stucco / MPR Exterior Overhangs And Walls In Some Areas	923031519-185	No	NAD (by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Lt. Grey, Homogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-186 Location: MPR Northwest / Stucco / MPR Exterior Overhangs And Walls In Some Areas	923031519-186	No	NAD (by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Lt. Grey, Homogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-187 Location: MPR Northwest / Stucco / MPR Exterior Overhangs And Walls In Some Areas	923031519-187	No	NAD (by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Lt. Grey, Homogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-188 Location: MPR NE / Caulking / MPR Around Doors Exterior	923031519-188	No	NAD (by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Tan, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-189 Location: MPR W / Caulking / MPR Around Doors Exterior	923031519-189	No	NAD (by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Tan, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-190 Location: MPR SW / Caulking / MPR Around Doors Exterior	923031519-190	No	NAD (by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-191	923031519-191	Yes	2%
Location: MPR W / Wall Putty Transition / MPR Exterior Where Brick And Stucco Meet			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Tan, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303290060MB-192	923031519-192	Yes	2%
Location: MPR W / Wall Putty Transition / MPR Exterior Where Brick And Stucco Meet			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Tan, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303290060MB-193	923031519-193	Yes	2%
Location: MPR W / Wall Putty Transition / MPR Exterior Where Brick And Stucco Meet			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Tan, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303290060MB-194	923031519-194	No	NAD
Location: Roof E Flashing / Caulking W/Mastic / Portable 205 Roof At Flashings, Bolts, HVAC Units			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
Comment: No mastic in sample			
2303290060MB-195	923031519-195	No	NAD
Location: Roof Center Bolt / Caulking W/Mastic / Portable 205 Roof At Flashings, Bolts, HVAC Units			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
Comment: No mastic in sample			

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-196	923031519-196L1	No	NAD
Location: Roof Center At HVAC / Caulking W/Mastic / Portable 205 Roof At Flashings, Bolts, HVAC Units			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Clear, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-196	923031519-196L2	No	NAD
Location: Roof Center At HVAC / Caulking W/Mastic / Portable 205 Roof At Flashings, Bolts, HVAC Units			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types:			
Other Material: Cellulose 10%, Non-fibrous 90%			
2303290060MB-197	923031519-197	No	NAD
Location: Roof W Flashing / Caulking W/Mastic / Portable 206 Roof At Flashings, Bolts, HVAC Units			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
Comment: No mastic in sample			
2303290060MB-198	923031519-198L1	No	NAD
Location: Roof Center At HVAC / Caulking W/Mastic / Portable 206 Roof At Flashings, Bolts, HVAC Units			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Clear, Homogeneous, Non-Fibrous, Caulk #1			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-198	923031519-198L2	No	NAD
Location: Roof Center At HVAC / Caulking W/Mastic / Portable 206 Roof At Flashings, Bolts, HVAC Units			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk #2			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-198	923031519-198L3	No	NAD
Location: Roof Center At HVAC / Caulking W/Mastic / Portable 206 Roof At Flashings, Bolts, HVAC Units			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: White, Homogeneous, Non-Fibrous, Roof Flashing Asbestos Types: Other Material: Non-fibrous 100%			
2303290060MB-199	923031519-199	No	NAD
Location: Roof E Bolt / Caulking W/Mastic / Portable 206 Roof At Flashings, Bolts, HVAC Units			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100% Comment: No mastic in sample			
2303290060MB-200	923031519-200L1	No	NAD
Location: Roof W Flashing / Caulking / Portable 207 Roof At Bolts, Flashings			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: White, Homogeneous, Non-Fibrous, Caulk #1 Asbestos Types: Other Material: Non-fibrous 100%			
2303290060MB-200	923031519-200L2	No	NAD
Location: Roof W Flashing / Caulking / Portable 207 Roof At Bolts, Flashings			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk #2 Asbestos Types: Other Material: Non-fibrous 100%			
2303290060MB-201	923031519-201	No	NAD
Location: Roof Center Bolt / Caulking / Portable 207 Roof At Bolts, Flashings			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-202	923031519-202	No	NAD
Location: Roof SE Bolt / Caulking / Portable 207 Roof At Bolts, Flashings			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100%			
2303290060MB-203	923031519-203	No	NAD
Location: Roof NE Flashing / Caulking / Portable 208 Roof At Bolts, Flashings			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Tan, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100%			
2303290060MB-204	923031519-204	No	NAD
Location: Roof Center Bolts / Caulking / Portable 208 Roof At Bolts, Flashings			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100%			
2303290060MB-205	923031519-205	No	NAD
Location: Roof SW Bolts / Caulking / Portable 208 Roof At Bolts, Flashings			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100%			
2303290060MB-206	923031519-206	No	NAD
Location: Roof E Flashing / Caulking / Portable 209 Roof Bolts And Flashings			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100%			
2303290060MB-207	923031519-207	No	NAD
Location: Roof NE Bolt / Caulking / Portable 209 Roof Bolts And Flashings			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-208 Location: Roof SW Flashing / Caulking / Portable 209 Roof Bolts And Flashings Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100%	923031519-208	No	NAD (by CVES) by Patricia Weakley on 04/06/23
2303290060MB-209 Location: Roof NE Bolt / Caulking / Portable 210 Roof Bolts And Flashings Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100%	923031519-209	No	NAD (by CVES) by Patricia Weakley on 04/06/23
2303290060MB-210 Location: Roof Center Flashing / Caulking / Portable 210 Roof Bolts And Flashings Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100%	923031519-210	No	NAD (by CVES) by Patricia Weakley on 04/06/23
2303290060MB-211 Location: Roof SW Flashing / Caulking / Portable 210 Roof Bolts And Flashings Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100%	923031519-211	No	NAD (by CVES) by Patricia Weakley on 04/06/23
2303290060MB-212 Location: Roof NE Flashing / Caulking / Portable 211 Roof Bolts And Flashings Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100%	923031519-212	No	NAD (by CVES) by Patricia Weakley on 04/06/23
2303290060MB-213 Location: Roof SE Flashing / Caulking / Portable 211 Roof Bolts And Flashings Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100%	923031519-213	No	NAD (by CVES) by Patricia Weakley on 04/06/23

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-214	923031519-214	No	NAD
Location: Roof SW Bolt / Caulking / Portable 211 Roof Bolts And Flashings			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-215	923031519-215	No	NAD
Location: Roof NE Flashing / Caulking / Portable 212 Roof Bolts And Flashing			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-216	923031519-216	No	NAD
Location: Roof SE Bolt / Caulking / Portable 212 Roof Bolts And Flashing			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-217	923031519-217	No	NAD
Location: Roof SW Bolt / Caulking / Portable 212 Roof Bolts And Flashing			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-218	923031519-218L1	No	NAD
Location: Roof NW HVAC / Caulking W/Mastic / Portable 305 Roof Bolts, Roof Jacks, Flashings, And Roof Jacks			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Tan, Homogeneous, Non-Fibrous, Caulk #1			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-218	923031519-218L2	No	NAD
Location: Roof NW HVAC / Caulking W/Mastic / Portable 305 Roof Bolts, Roof Jacks, Flashings, And Roof Jacks			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Transparent, Homogeneous, Non-Fibrous, Caulk #2			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-218	923031519-218L3	No	NAD
Location: Roof NW HVAC / Caulking W/Mastic / Portable 305 Roof Bolts, Roof Jacks, Flashings, And Roof Jacks			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types:			
Other Material: Cellulose 10%, Non-fibrous 90%			
2303290060MB-219	923031519-219	No	NAD
Location: Roof NE HVAC / Caulking W/Mastic / Portable 305 Roof Bolts, Roof Jacks, Flashings, And Roof Jacks			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
Comment: No mastic present in sample			
2303290060MB-220	923031519-220L1	No	NAD
Location: Roof SE Roof Jack / Caulking W/Mastic / Portable 305 Roof Bolts, Roof Jacks, Flashings, And Roof Jacks			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: White, Homogeneous, Non-Fibrous, Coating			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-220	923031519-220L2	No	NAD
Location: Roof SE Roof Jack / Caulking W/Mastic / Portable 305 Roof Bolts, Roof Jacks, Flashings, And Roof Jacks			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
Comment: No mastic present in sample			
2303290060MB-221	923031519-221	No	NAD
Location: Roof N Flashing / Caulking / Portable 306 Roof Bolts, Flashings, And Roof Jacks			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-222	923031519-222	No	NAD
Location: Roof SE Roof Jack / Caulking / Portable 306 Roof Bolts, Flashings, And Roof Jacks			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: White, Homogeneous, Non-Fibrous, Coating Asbestos Types: Other Material: Non-fibrous 100%			
2303290060MB-223	923031519-223	No	NAD
Location: Roof SW Roof Jack / Caulking / Portable 306 Roof Bolts, Flashings, And Roof Jacks			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100%			

Reporting Notes:

(1) Trace amount of asbestos (<1%) suspected to be inseparable contamination from adjacent layer.

Analyzed by: Megan A DeLara
Date: 4/3/2023



Reviewed by: Lateef McIntosh



*NAD = no asbestos detected; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; NA = not analyzed; NA/PS = not analyzed / positive stop; NVA = No Visible Asbestos; PLM (polarized light microscopy) Bulk Asbestos Analysis by EPA 600/R-93/116, including requirements for EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200346-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laboratory. This PLM report relates ONLY to the items tested.



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSc
 EMLab (Glendale)
 LA Testing

Project #: 23-Z0187-0060
Sampled by: Matt Barna
Site Zip Code: 90650
Sample Date: 03/27/2023
 Page 1 of 38

Building Name: Admin
 The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. ~~Stop Analysis of homogeneous groups at first positive that is greater than or equal to 1.0% / MS~~

Optional items to be completed by the laboratory (if check marked):
 Email Report to: info@execenv.com
 Other: ygalearna@execenv.com;
 US Mail Report to: Originating office check marked above Other:
 Alternate billing address: 923031519

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-1	Admin NW	Rock Core	Admin T-o Roof	1	29005t	0
-2	Admin center			1		1
-3	Admin SE			1		1
-4	Admin NW Edge	Rock Core Patch	Admin ^{at} Roof Edges Roof Penetrations, Vent	2	600 SE	0
-5	Admin Center Patch			1		1
-6	Admin SE Vent			1		1

Prefix: 2303270060MB

Notes:
 Released By Date: 3/30/23 MB Matt Barna 2:37 PM
 Received By Date: 03.30.2023
 Released By Date: 03.30.2023
 Released By Date: 14:50
 Form: AL-006PLM



**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Routine (5 Days) RUSH (surcharges may apply) Project #: 23-Z0187-0060
 Working (24 hours) 3 to 5 days Sampled by: Matt Barna
 One day 1 to 2 days Site Zip Code: 90650 Sample Date: 03/27/2023 Page 2 of 38

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- Stop analysis of homogeneous groups at first positive that is greater than or equal to 0.9% *ME*

Optional items to be completed by the laboratory (if check marked): Email Report to: info@execenv.com Other: ygaleana@execenv.com; 9230315A

US Mail Report to: Originating office check marked above Other: Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-7	Admin NW Conduit Pad	Root Mastik	Admin Roof at flashings, Root Joints, Vents, Conduit Pads	3	60 SF	0
-8	Admin Center Root Jack			1		
-9	Admin SE Vent			1		
-10	Admin NW	Conduit Pads	Admin Under conduit	4	20 SF	0
-11	Admin SW			1		
-12	Admin Center			1		

Prefix: 230327 0060MB

Notes:
 Released By Date: 03/30/2023 14:50
 Received By Date: 03/30/2023 23:7PM
 Released By Date: 03/30/2023 14:50
 Received By Date: 03/30/2023 14:50
 Released By Date: 03/30/2023 14:50
 Received By Date: 03/30/2023 14:50



**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office

310 E. Foothill Blvd., Suite 200
Arcadia, CA 91006
Phone: 626.441.7050
Fax: 626.441.0016

Lab Submitted to:

AmeriSci
 EMLab (Glendale)
 LA Testing

Routine (5 Days)
 RUSH (surcharges may apply)
Circle 6 hours 24 hours 48 hours 72 hours
One day 2 to 5 days

Project #:
23-20187-0060
MAB

Sampled by:
Matt Barna

Site Zip Code:
90650

Sample Date:
03/27/2023

Page 1 of 2

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% *MAB*

Building Name: Building 100 / Building 200

- All lab reports and invoices are to contain the Project Number from above.
- Unsigned and reports marked draft are unacceptable.
- Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked): Email Report to: info@execenv.com Other: ygaleana@execenv.com; 9230315191

US Mail Report to: Originating office check marked above Other: Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-19	Roof N Vent	Roof Mastic	Building 100 Roof Jakes HVAC Jakes, Fans, Flashings, Patches	7	80 SF	0
-20	Roof Center HVAC Jack					
-21	Roof SW Roof Jack					
-22	Roof E	Roof Core	Building 200 Roof T-O	8	6300 SF	0
-23	Roof N					
-24	Roof SW					

Prefix: 23032 Y0060MB

Notes:

Released By Date: MAB Matt Barna 3/28/23 2:37PM

Received By Date & Time: Danara Meza 03.30.2023 14:50

Released By Date & Time: _____



**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office

310 E. Foothill Blvd., Suite 200
Arcadia, CA 91006
Phone: 626.441.7050
Fax: 626.441.0016

Lab Submitted to:

AmeriSci
 EMLab (Glendale)
 LA Testing

Routine (5 Days)
 Working Hours
 RUSH (surcharges may apply)
Circle One

6 hours
24 hours
3 to 5 days

Project #:
23-20187-0060

Sampled by:
Matt Barna

Site Zip Code:
90650

Sample Date:
03/27/2023

Page 5 of 8

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- ~~Step-analysis of homogeneous groups at first positive that is greater than or equal to 4.0% - MB~~

Building Name: Building 200

- All lab reports and invoices are to contain the Project Number from above.
- Unsigned and reports marked draft are unacceptable.
- Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: ygaleana@execenv.com; 923031519

US Mail Report to: Originating office check marked above Other:

Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-25	Roof E Edge	Roof Patch Core	Building 200 Roof Edges, HVAC Ducts, Fans	9	1,100 SF	0
-26	Roof IN Fan					
-27	Roof SW HVAC					
-28	Roof SE Flashing	Roof Mastec	Building 200 Flashings, Roof Joints, HVAC, Fans	1	120 SF	0
-29	Roof N Fan					
-30	Roof SW Roof Joint					

Prefix: 2303
0060MB

Released By Date: _____
& Time: _____

Received By Date: _____
& Time: _____

Notes: MB Matt Barna 3/30/23 2:47PM
Diana meza
03-30-2023 14:50

Released By Date: _____
& Time: _____



**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office

310 E. Foothill Blvd., Suite 200
Arcadia, CA 91006
Phone: 626.441.7050
Fax: 626.441.0016

Lab Submitted to:

AmeriSci
 EMLab (Glendale)
 LA Testing

Routine (5 Days)
 RUSH (surcharges may apply)
Circle 6 hours
One 24 hours
Three 3 to 5 days

Project #:
23-Z0187-0060

Sampled by:
Matt Barina

Site Zip Code:
90650

Sample Date:
03/27/2023

Page 6 of 38

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- Stop analysis of homogeneous groups at first positive that is greater than or equal to 10% *mg*

Building Name: *Building 300*

Optional items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: *ygaleana@execenv.com*; *923031519*

US Mail Report to: Originating office check marked above Other: Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-31	Roof E	Roof Core	Building 300 T-0 Roof	11	6300 <i>sf</i>	0
-32	Roof Center			1		
-33	Roof SW			1		
-34	Roof E Edge	Roof Patch Core	Building 300 at Edges Fans, HVAC units	12	1,100 <i>sf</i>	0
-35	Roof Center Fan			1		
-36	Roof W HVAC			1		

Prefix: 2303
0060MB

Released By Date & Time:

Received By Date & Time:

Released By Date & Time:

Matt Barina 3/30/23 2:50PM
Dawana Meza
03-30-2023 14:50

Notes:



**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Project #: 23-Z0187-0060
Sampled by: Matt Barna
Sample Date: 03/27/2023
Site Zip Code: 90650
Building Name: Building 300 / 400
Page # of # 38

The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. ~~Step analysis of homogeneous groups at first positive that is greater than or equal to 1.0% — NMB~~

Optional items to be completed by the laboratory (if check marked): Email Report to: info@execenv.com Other: ygalearna@execenv.com, 923031519
 US Mail Report to: Originating office check marked above Other: Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-37	Roof SE Flashing	Roof Mastic	Building 300 Roof at Flashing, Roof	B	120 SF	0
-38	Roof Center HVAC Jack		Pipe Jacks, HVAC Jacks, Fan Jacks			
-39	Roof Fan Jack					
-40	Roof E	Roof Core	Building 400 T-0 Roof	H	6300 SF	0
-41	Roof Center					
-42	Roof SW					

Prefix: 2303 0060MB

Notes:
 NMB Matt Barna 3/20/23 2:37PM
 Released By Date: 03-30-2023 14:50
 Released By Date & Time: Dorena Meza
 Released By Date & Time: 03-30-2023 14:50



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office

310 E. Foothill Blvd., Suite 200
Arcadia, CA 91006
Phone: 626.441.7050
Fax: 626.441.0016

Lab Submitted to:

AmeriSci
 EMLab (Glendale)
 LA Testing

Routine (5 Days)
 Working hours
 RUSH (surcharges may apply)
Circle 6 hours 24 hours 48 hours 3 to 5 days

Project #: 23-20187-0060
MB

Sampled by: Matt Barna

Site Zip Code: 90650

Sample Date: 03/27/2023

Page 2 of 38

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- ~~Step analysis of homogeneous groups at first positive that is greater than or equal to 1.0% - MB~~

Building Name: Building 400

Optional Items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: ygalearna@execenv.com; 923031519

US Mail Report to: Originating office check marked above Other: Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-43	Roof E Edge	Roof Patch Core	Building 400 at edges, HVAC Roof and Fan Roof Joints	15	1100g	0
-44	Roof Center HVAC			1		1
-45	Roof SW Fan			1		1
-46	Roof SE Roof Pipe Joints	Roof Mask	Building 400 Roof at patches, flashings, Roof Pipe Joints, Roof HVAC Fan Joints	16	1205g	0
-47	Roof Center HVAC			1		1
-48	Roof SW Fan			1		1

Prefix: 2303270060MB

Released By Date: MB matt barna 3/30/23 2:37PM

Received By Date: 03-30-2023 14:50

Released By Date: Danara Noza 03-30-2023 14:50

Released By Date: & Time:



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 IA Testing

Project #: 23-Z0187-0060
Sampled by: Matt Barna
Site Zip Code: 90650
Sample Date: 03/27/2023
Building Name: Building 500
 Page of 38

The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. ~~Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% M/V~~

Optional items to be completed by the laboratory (if check marked): Email Report to: info@execenv.com Other: ygalearna@execenv.com; 923031519
 US Mail Report to: Originating office check marked above Other:
 Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-49	Root E	Root Core	Building 500 Roof	17	6300sf	0
-50	Root Center			1		
-51	Root SW			1		
-52	Roof E Edge	Roof Patch Core	Building 500 Roof at edges, HVAC units fans, Roofing, and Jacks	18	1100sf	0
-53	Roof Center HVAC			1		
-54	Roof SW Fan			1		

Notes:
 Released By Date: 03-30-2023 14:50
 Released By Date & Time: Dorena meza
 Prefix: 2303
 0060MB



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Project #: 23-Z0187-0060
 Sampled by: Matt Barma
 Site Zip Code: 90650
 Sample Date: 03/28/2023
 Page of 1258

Building Name: MPR
 The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% *MS*

Optional items to be completed by the laboratory (if check marked):
 Email Report to: info@execenv.com
 Alternate billing address:
 US Mail Report to:
 Other: y.galeana@execenv.com
 923031519

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-67	MPR Roof 1 NE Seam	Roof Master	MPR Roof 1 at patchy flashing, seams, HVAC units, fans, and Roof Jacks	23	75 SF	0
-68	MPR Roof 1 NW Roof Jack					
-69	MPR Roof 1 S Roof Jack					
-70	Roof 1 Seam S	Caulking	MPR Roof 1 at S Roof Jack	24	10 SF	0
-71	Roof 1 S					
-72	Roof 1 S					

Prefix: 2303
0060MB

Notes:
 Released By Date: 03/30/2023 14:50
 Received By Date: 03/30/2023 14:50
 Released By Date: [Signature]
 Received By Date: [Signature]



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Project #: 23-20187-0060
Sampled by: Matt Barna
Site Zip Code: 90650
Sample Date: 03/14/2023
 Page 13 of 38

Routine (5 Working Days)
 RUSH (surcharges may apply) Circle 6 24 hours days
 3 to 5 hours days

Building Name: MPR
The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% *MSD*

Optional items to be completed by the laboratory (if check marked):
 Email Report to: Info@execenv.com Other: ygaleana@execenv.com;
 US Mail Report to: Originating office check marked above Other:
 Alternate billing address: 923031519

Sample No.:	Sample Location - Include Room Information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-73	Roof 2 N	Roof Core	MPR Roof 2 T-O	25	2500 _{SE}	0
-74	Roof 2 SE	I		1	I	I
-75	Roof 2 SW	I		1	I	I
-76	Roof 2 N wall _{at}	Roof Patch Core	MPR Roof 2 at edges and wall	26	400 _{SE}	0
-77	Roof 2 E Edge	I		1	I	I
-78	Roof 2 SW at wall	I		1	I	I

Prefix: 2303
0060MB

Notes:
 Released By Date: 03/30/2023 14:50
 Received By Date: 03/30/2023 14:50
 Released By Date & Time: Danana Meza
 Received By Date & Time: Matt Barna 3/30/23 2:37pm
 Form: AL-006PLM
 Rev. 1/19
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**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Routine (6 Days) Working hours
 RUSH (surcharges may apply) Circle 6 24 48 hours
 3 to 5 days

Project #: 23-20187-0060
 MJB

Sampled by: Matt Barna

Site Zip Code: 90650

Sample Date: 03/28/2023
 Page 1 of 38

Originating Office: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006
 Phone: 626.441.7050, Fax: 626.441.0016
 Lab Submitted to: AmeriSci, EMLab (Glendale), LA Testing

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- Step analysis of homogeneous groups at first positive that is greater than or equal to 1.0%.

Building Name: MFR

Optional items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com, Other: y.galeana@execenv.com, 923031519
 US Mail Report to: Originating office check marked above Other: Alternate billing address:

Sample No.:	Sample Location - Include Room Information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-79	Roof 2 N Fan Jack	Roof Patch Core	MFR Roof 2 out Pipe	27	20056	0
-80	Roof 2 E Vent		HVAC UNITS and Roof Jacks			
-81	Roof 2 SW Pipe Jack					
-82	Roof 2 N wall Flashing	Roof Mask	MFR Roof 2 at patches	28	5056	0
-83	Roof 2 E Fan		Plasings, Fan, and Roof UNITS			
-84	Roof 2 W Roof Pipe Jack					

Prefix: 2303 2p0060MB

Notes: MJB Matt Barna 3/30/23 2:50PM
 Released By: Date: 03.30.2023 14:50

Received By: Date: 03.30.2023 14:50
 Released By: Date: & Time:



**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Project #: 23-Z0187-0060
Sampled by: Matt Barna
Site Zip Code: 90650
Sample Date: 03/28/2023
Building Name: MPR
 Page of 1538

The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% *MM*

Optional items to be completed by the laboratory (if check marked):
 Email Report to: Info@execenv.com Other: ygaleana@execenv.com; 923031519
 US Mail Report to: Originating office check marked above Other:
 Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-85	Roof 2 SW	HVAC duct	MPR Roof 200 HVAC Ducts	29	2056	0
-86	Roof 2 SW	mask		1	1	1
-87	Roof 2 SW	I		1	1	1

Prefix: 2303 28 0060MB

Notes:
 Received By Date: 03-30-2023 19:50
 Released By Date: 03-30-2023 19:50
 Received By Date: 03-30-2023 19:50
 Released By Date: 03-30-2023 19:50
 Matt Barna 3/30/23 2:27 PM
 Demetra Meza



**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Project #: 23-Z0187-0060
Sampled by: Matt Barna
Site Zip Code: 90650
Sample Date: 03/28/2023
 Page 6 of 38

Building Name: Covered Walkway I
 4. All lab reports and invoices are to contain the Project Number from above.
 5. Unsigned and reports marked draft are unacceptable.
 6. Report to the attention of: Yesenia Galeana, Phone: (562) 899-1327

Optional Items to be completed by the laboratory (if check marked): Email Report to: info@execenv.com Other: ygaleana@execenv.com; 923031519
 US Mail Report to: Originating office check marked above Other:
 Alternate billing address:

The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. ~~Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%.~~

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-88	Roof NE	Roof Coating (Lead Metal)	Covered Walkway I Roof	30	13005F	0
-89	Roof N					
-90	Roof E					
-91	Roof SW					
-92	Roof SE					

Prefix: 2303
 0060MB

Notes:
 Received By: Date: 03/30/2023 14:50
 Released By: Date: 03/30/2023 14:50
 Matt Barna 3/28/23 2:57 PM
 Dariana Meza
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 Form: AL-006PLM
 Rev. 1/19



**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Project #: 23-Z0187-0060
Sampled by: Matt Barna
Site Zip Code: 90650
Sample Date: 03/28/2023
 Page 1738 of 1738

Routine (5 Days)
 RUSH (surcharges may apply)
 Circle 6 hours (One Day)
 Circle 24 hours (Three days)
 Circle 3 to 5 days (Five days)

The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. ~~Step analysis of homogeneous groups at first positive that is greater than or equal to 4.0%.~~ *MB*

Optional Items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: ygaleana@execenv.com; 923031519
 US Mail Report to: Originating office check marked above Other: Alternate billing address:

Sample No.	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-93	Roof NE	Roof Master	Covered walkways Patches on Roof Deck	31	305F	0
-94	Roof N		and patches on Conduit pads			
-95	Roof S					
-96	Roof NE	Conduit Pads	Covered walkway	32	205F	0
-97	Roof N		T-0			
-98	Roof SE					

Prefix: 2303
0060MB

Notes:
 MB Matt Barna 3/28/23 2:30PM
 Received By Date & Time: 03-30-2023 19:50
 Released By Date & Time: Denver Mezei
 Released By Date & Time: *[Signature]*



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmerSci
 EMLab (Glendale)
 LA Testing

Project #: 23-20187-0060
Sampled by: Matt Barna
Sample Date: 03/15/2023
 Page 1 of 38

Routine (5 Days)
 RUSH (surcharges may apply)
 Circle 6 hours One day
 Circle 24 hours Three days
 Circle 3 to 5 days

Building Name: Coverl walkway I
 4. All lab reports and invoices are to contain the Project Number from above.
 5. Unsigned and reports marked draft are unacceptable.
 6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional items to be completed by the laboratory (if check marked):
 Email Report to: Info@execenv.com
 Alternate billing address: 923031519

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-99	CWA 1 NE	Texture Coating	Ceiling of Coverl walkway I	33	1300 SE	0
-100	CWA 1 N					
-101	CWA 1 W					
-102	CWA 1 E					
-103	CWA 1 S					

Prefix: 2303 0060MB

Notes:
 Received By Date & Time: 03-30-2023 14:50
 Released By Date & Time: [Blank]
 Dariana meza



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Project #: 23-20187-0060
Sampled by: Matt Barna
Site Zip Code: 90650
Sample Date: 03/28/2023
 Page 19 of 38

Building Name: Covered Walkway 2

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% *MM*

Optional items to be completed by the laboratory (if check marked): Email Report to: info@execenv.com Other: ygaleana@execenv.com; 923031519

US Mail Report to: Originating office check marked above Other: Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-104	CW2 N	Roof coating	T-0 Covered walkway	34	300g	0
-105	CW2 NW	(on metal)	2 Roof Deck			
-106	CW2 W					
-107	CW2 E					
-108	CW2 SE					
-109	CW2 NW	Roof Master	T-0 Covered walkway	35	200g	0
-110	CW2 N	↓	2 on Roof Deck and under conduit Pods	↓	↓	↓

Notes:
MM Matt Barna 3/28/23 2:37PM
 Received By Date: 03-30-2023 14:50
 Received By Date: Daviana Meza
 03-30-2023 14:50
 Form: AL-006PLM Rev. 1/19 ©Copyright 2019 All Rights Reserved



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Routine (5 Days) Working
 RUSH (surcharges may apply) Circle 6 hours 24 hours 3 to 5 days
 Project #: 23-Z0187-0060
 Sampled by: Matt Barma
 Site Zip Code: 90650
 Sample Date: 03/28/2023
 Page of 21/38

Building Name: Admin
 The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. Step analysis of homogeneous groups at first positive that is greater than or equal to 1.0% *None*

Optional items to be completed by the laboratory (if check marked): Email Report to: info@execenv.com Other: ygalearna@execenv.com
 US Mail Report to: Originating office check marked above Other:
 Alternate billing address: 973031519

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-117	Admin NE wall	Brick and Mortar	Admin Exterior walls	37	3000 SF	0
-118	Admin NW wall	I				
-119	Admin SW wall	I				
-120	Admin NW	Window Putty	Admin Exterior windows and around	38	650 SF	<1%
-121	Admin E		Some windows and vents			
-122	Admin W	I				

Prefix: 2303 28 0060MB

Notes:
 Received By Date: 03-30-2023 14:50
 Released By Date: *Davina Meza*
 Form: AL-008PLM
 Rev. 1/19
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Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

LAD submitted to:
 AmeriSci
 EMI Lab (Glendale)
 LA Testing

Routine (5 Days) Working
 RUSH (surcharges may apply) 24 hours
 3 to 5 days
 Project #: 23-20187-0060
 Sampled by: Matt Barro
 Site Zip Code: 90650
 Sample Date: 03/28/2023
 Page of 2338

Building Name: Building 100
 The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% *lab*

Optional items to be completed by the laboratory (if check marked): Email Report to: info@execenv.com Other: ygalleana@execenv.com; 923031519
 US Mail Report to: Originating office check marked above Other:
 Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-129	Building 100 NE	Brick and mortar	Building 100 Exterior walls	39	2500	0
-130	Building 100 SE					
-131	Building 100 W					
-132	Building 100 E	Window Putty	Building 100 Exterior windows and around some windows and vents	40	600	21%
-133	Building 100 SE					
-134	Building 100 W					

Prefix: 2303
 0060MB

Notes:
lab Matt Barro 3/30/23 2:58PM
 Received By Date & Time: 03.30.2023 14:50
 Released By Date & Time: *Daivana Meza*
 Form: AL-006PLM
 Rev. 1/19
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**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office

310 E. Foothill Blvd., Suite 200
Arcadia, CA 91006
Phone: 626.441.7050
Fax: 626.441.0016

Lab Submitted to:

AmeriSci
 EMLab (Glendale)
 LA Testing

Sampled by:
Matt Barua

Project #:
23-20187-0060

Routine (5 Days)
 RUSH (surcharges may apply)
Circle 6 hours 24 hours 3 to 5 days

Site Zip Code:
90650

Sample Date:
03/28/2023

Page of
24/38

Building Name: Building 100 / Building 200

- All lab reports and invoices are to contain the Project Number from above.
- Analyze all samples by PLM by EPA 600/R-93/116.
- Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% *MM*

Optional items to be completed by the laboratory (if check marked): Email Report to: info@execenv.com Other: ygaleana@execenv.com

US Mail Report to: Originating office check marked above Other: Alternate billing address: 923031519

Sample No.:	Sample Location - Include Room Information where appropriate	Material Description	Homogeneous Location	Quantity	Percent Damaged
-135	Building 100 NE	Caulking	Building 100 around doors	41 305F	0
-136	Building 100 SE				
-137	Building 100 SW				
-138	Building 200 NW	Brick and Mortar	Building 200 exterior walls	42 3500 5F	0
-139	Building 200 S				
-140	Building 200 SW				

Prefix: 23032-0060MB

Notes:

MM Matt Barua 3/30/23 2:07PM

Received By Date & Time: 03-30-2023 14:50

Released By Date & Time: Daviana Meza

Form: AL-006PLM Rev. 1/19



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSd
 EMLab (Glendale)
 LA Testing

Routine (5 Days) Working hours
 RUSH (surcharges may apply) Circle 6 hours One day 24 hours 3 to 5 days

Project #: 23-20187-0060

Sampled by: Matt Barma

Site Zip Code: 90650

Sample Date: 03/28/2023

Building Name: Building 200

Page of: 25/28

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% *mg*

Optional items to be completed by the laboratory (if check marked): Email Report to: info@execenv.com Other: y.galeana@execenv.com; 923031519

US Mail Report to: Originating office check marked above Other: Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-141	Building 200 NE	Window Putty	Building 200 windows and around same	93	80g ±	0
-142	Building 200 E		windows and vents			
-143	Building 200 SW					
-144	Building 200 NE	Caulking	Building 200 around doors	44	205g ±	0
-145	Building 200 E					
-146	Building 200 SE					

Prefix: 230328 0060MB

Notes:

MB Matt Barma 3/23/23 2:38pm

Daviana meza

Received By Date & Time: 03.30.2023 14:50

Released By Date & Time: _____

Form: AL-006PLM Rev. 1/19



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Project #: 23-Z0187-0060
Sampled by: Matt Barna
Sample Date: 03/29/2023
Building Name: Building 300
 Page of 8

Routine (5 Days)
 RUSH (surcharges may apply)
 Circle 6 hours One day
 Circle 24 hours Three days
 Circle 3 to 5 days

The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the Project Number from above.
 2. Analyze all samples by PLM by EPA 600/R-83/116.
 3. Step analysis of homogeneous groups at first positive that is greater than or equal to +0.9%.

Optional items to be completed by the laboratory (if check marked):
 Email Report to: Info@execenv.com
 Other: ygalearna@execenv.com
 Alternate billing address: 923031519

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-147	Building 300 NE	Brick and Mortar	Building 300 Exterior walls	45	3500	0
-148	Building 300 SE					
-149	Building 300 SW					
-150	Building 300 NE	Window Putty	Building 300 Exterior windows and around some windows and vents	46	800SF	0
-151	Building 300 SE					
-152	Building 300 SW					

Prefix: 2303 9060MB

Notes:
 Released By Date: Matt Barna 7/20/23 2:37PM
 Received By Date: Dairina meza 03-30-2023 19:50
 Released By Date: [Blank]
 Received By Date: [Blank]



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
Arcadia, CA 91006
Phone: 626.441.7060
Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Project #: 23-20187-0060
Sampled by: Matt Barma
Site Zip Code: 90650
Sample Date: 03/29/2023
Page of 278

Building Name: Building 300
The receiving Laboratory is required to complete the following:
1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
2. Analyze all samples by PLM by EPA 600/R-93/116.
3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% *mf*

Optional items to be completed by the laboratory (if check marked):
 Email Report to: info@execenv.com
 Alternate billing address:
 US Mail Report to: Originating office check marked above
 Other: 923031519

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-153	Building 300 NE	Caulking	Building 300 Drum doors	47	2056	0
-154	Building 300 SE	I	I	I	I	I
-155	Building 300 S	I	I	I	I	I
-156	Building 300 S	Stucco	Building 300 S Drinking fountain	48	5056	0
-157	Building 300 S	I	I	I	I	I
-158	Building 300 S	I	I	I	I	I

Prefix: 2303
0060MB

Notes:
Received By Date: 3/30/23 2:22 PM
Received By Date: 6/30/2023 14:50
Released By Date: [blank]
Released By Date: [blank]



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriScd
 EMLab (Glendale)
 LA Testing

Project #: 23-20187-0060
Sampled by: Matt Barua
Sample Date: 03/29/2023
Page of: 28 of 38

Routine (5 Working Days)
 RUSH (surcharges may apply) 24 hours
 RUSH (surcharges may apply) 2 to 5 days

Building Name: Building 400
Site Zip Code: 90650
Building Name: Building 400
 4. All lab reports and invoices are to contain the Project Number from above.
 5. Unsigned and reports marked draft are unacceptable.
 6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked):
 Email Report to: info@execenv.com
 Alternate billing address: 923031519
 US Mail Report to: Originating office check marked above Other:

Sample No.:	Sample Location - Include Room Information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-159	Building 400 NE	Brick on the north	Building 400 exterior walls	49	350sf	0
-160	Building 400 E					
-161	Building 400 SE					
-162	Building 400 E	Window Petty	Building 400 exterior windows	50	800sf	0
-163	Building 400 SE		and around some windows and vents			
-164	Building 400 SW					

Prefix: 2303
0060MB

Notes:
 Released By Date: 03-30-2023 14:50
 Received By Date: 03-30-2023 14:50
 Released By Name: Dawnier Meza
 Received By Name: Matt Barua 3/30/23 2PM
 Form: 1/19
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 Form: AL-006PLM



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriScd
 EMI Lab (Glendale)
 LA Testing

Project #: 23-20187-0060
Sampled by: Matt Barna
Site Zip Code: 90650
Sample Date: 03/29/2023
Building Name: Building 400
 Page 29 of 35

The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the Project Number from above.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. Step analysis of homogeneous groups at first positive that is greater than or equal to 1.0%.

Optional Items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: y.galeana@execenv.com; 973031519
 US Mail Report to: Originating office check marked above Other:
 Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-165	Building 400 E	Spalling	Building 400 exterior around doors	51	205F	0
-166	Building 400 SE	I	I	I	I	I
-167	Building 400 S	I	I	I	I	I
-168	Building 400 SE	Stucco	Building 400 SE Driveway Fountain	52	505F	0
-169	Building 400 SE	I	I	I	I	I
-170	Building 400 SE	I	I	I	I	I

Prefix: 2303290060MB

Notes:
 Received By Date: 03.30.2023 14:50
 Released By Date & Time: [Signature] Davara Meza
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 Form: AL-006PLM



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Project #: 23-20187-0060
Sampled by: Matt Bama

Routine (5 Days)
 Working hours
 RUSH (surcharges may apply) 24 hours
 Circle 6 hours
 One day
 2 to 5 days

Building Name: Building 500
Sample Date: 03/29/2023
Site Zip Code: 90650
Page of 30 of 38

The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% - ~~1.0%~~

Optional items to be completed by the laboratory (if check marked):
 Email Report to: info@execenv.com
 Alternate billing address: 923031519
 Other: y.galeana@execenv.com;

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-171	Building 500 NE	Brick and Mortar	Building 500 exterior walls	53	350 SF	0
-172	Building 500 SE			1	1	1
-173	Building 500 SW			1	1	1
-174	Building 500 NE	Window Putty	Building 500 exterior windows and doors	54	800 SF	0
-175	Building 500 SE		Some windows and vents	1	1	1
-176	Building 500 SW			1	1	1

Prefix: 2303
 0060MB

Notes:
 Released By Date
 Received By Date
 03-30-2023 14:50
 Davinia Meza



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office

310 E. Foothill Blvd., Suite 200
Arcadia, CA 91006
Phone: 626.441.7050
Fax: 626.441.0016

Lab Submitted to:

AmeriSci
 EMLab (Glendale)
 LA Testing

Routine (5 Days)
 RUSH (surcharges may apply)
Circle 6 24 48 72 hours (days)
One 3 to 5 hours (days)

Project #:
23-20187-0060

Sampled by:
Matt Barna

Site Zip Code:
90650

Sample Date:
03/29/2023

Page of
3/38

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-83/116.
- Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%. *MM*

Building Name: Building 500/MFR

- All lab reports and invoices are to contain the Project Number from above.
- Unsigned and reports marked draft are unacceptable.
- Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: ygaleana@execenv.com; 973031519

US Mail Report to: Originating office check marked above Other: Alternate billing address:

Sample No.:	Sample Location - Include Room Information where appropriate	Material Description	Homogeneous Location	Quantity	Percent Damaged
-177	Building 500 NE	caulking	Building 500 around doors	20SF	0
-178	Building 500 SE	I	I	I	I
-179	Building 500 S	I	I	I	I
-180	MFR Exterior NE	Brick and mortar	MFR Exterior walls	56 8000 SF	0
-181	MFR Exterior E	I	I	I	I
-182	MFR Exterior S	I	I	I	I

Prefix: 2303270060MB

Notes:
By Date: 03-30-2023 14:50
Released & Time: Daniela Meza

Received By Date & Time: 03-30-2023 14:50
Released & Time: Daniela Meza



**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Project #: 23-20187-0060
Sampled by: Matt Barma
Sample Date: 03/29/2023
Page of: 3278

Building Name: MPR
 The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-83/118.
 3. Step analysis of homogeneous groups at first positive that is greater than or equal to 1.0% *MM*

Optional Items to be completed by the laboratory (if check marked): Email Report to: info@execenv.com Other: Ygaleana@execenv.com; 923031519
 US Mail Report to: Originating office check marked above Other:
 Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-183	MPR North	Stucco	MPR Overhangs and walls in some areas	57	3000 SF	0
-184	MPR East					
-185	MPR West					
-186	MPR Northwest					
-187	MPR North West					
-188	MPR NE	Caulking	MPR around door exterior	58	50 SF	0
-189	MPR SW					

Prefix: 2303 0060MB

Notes:
 Received By: Matt Barma 3/29/23 12:30 PM
 Released By: Davina Moya
 Received By: 03-30-2023 14:50
 Released By:
 Form: 1/19
 Form: AL-006PLM



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7060
 Fax: 626.441.0016

Lab Submitted to:
 AmeriScd
 EMLab (Glendale)
 LA Testing

Routine (5 Days)
 RUSH (surcharges may apply)
 Circle 6 24 48 hours
 One 3 to 5 days

Project #:
23-20187-0060

Sampled by:
Matt Barma

Site Zip Code:
90650

Sample Date:
03/29/2023

3338
Page of

The receiving Laboratory is required to complete the following:

- All invoices to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-83/116.
- Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% *MM*

Building Name: MPR

Optional items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: ygaleana@execenv.com; Alternate billing address: 923031519

US Mail Report to: Originating office check marked above Other:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-190	MPR SW	caulking	MPR around doors exterior	1	1	1
-191	MPR W	Wall Putty Transition	MPR Exterior where brick and stucco meet	5	30sf	0
-192	MPR W	I		1	1	1
-193	MPR W	I		1	1	1

Prefix: 230329 0060MB

Notes:
 Released By Date: AMB, Matt Barma 3/28/23
 Received By Date & Time: Dawina Meza 03.30.2023 4:50
 Reference By Date & Time:
 Rev. 1/19



**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office

310 E. Foothill Blvd., Suite 200
Arcadia, CA 91006
Phone: 626.441.7050
Fax: 626.441.0016

Lab Submitted to:

AmeriSci
 EMLab (Glendale)
 LA Testing

Routine (5 Days)
 RUSH (surcharges may apply)
Circle 6 hours
Circle 24 hours
Circle 48 hours
Circle 72 hours

Project #: 23-20187-0060
3 to 5 days

Sampled by: Matt Barma

Sample Date: 03/29/2023

Page 1 of 38

Building Name: Portable 205 / Package 206

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% *MM*

Optional Items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: y.galeana@execenv.com; 923031519

US Mail Report to: Originating office check marked above Other: Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-194	Roof E Flashing	Caulking w/	Portable 205 Roof at Flashings Bolts	60	305f	0
-195	Roof Center Bolt	MosHC	HVAC Units	1	1	1
-196	Roof Center at HVAC	I	I	1	1	1
-197	Roof W Flashing	Caulking w/	Portable 206 Roof at Flashings Bolts	61	305f	0
-198	Roof center at HVAC	MosHC	HVAC Units	1	1	1
-199	Roof E Bolt	I	I	1	1	1

Prefix: 2303 290060MB

Released By Date: *MMF Matt Barma 3/30/23 23pm*

Received By Date: *Dauner Meza*

Released By Date: *03-30-2023 14:50*



Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSc
 EMLab (Glendale)
 LA Testing

Routine (5 Days)
 RUSH (surcharges may apply)
 Circle 6 hours
 Circle 24 hours
 Circle 3 to 5 days

Project #:
 23-20187-0060
MMB

Sampled by:
 Matt Barna

Sample Date:
 03/29/2023
 Page 35 of 38

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% *MMB*

Building Name: Portable 207 / Portable 208

Optional Items to be completed by the laboratory (if check marked):
 Email Report to: info@execenv.com Other: ygaleana@execenv.com; 923031519
 US Mail Report to: Originating office check marked above Other:
 Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-200	ROOF W Flashing	Caulking	Portable 207 Roof at Belts, Flashings	62	20SF	0
-201	Roof Center Bolt	I	I	I	I	I
-202	Roof SE Bolt	I	I	I	I	I
-203	Roof NE Flashing	Caulking	Portable 208 Roof at Belts, Flashings	63	20SF	0
-204	Roof Center Bolt	I	I	I	I	I
-205	Roof SW Bolt	I	I	I	I	I

Prefix: 2303 29 0060MB

Notes:
 Released By: Date: *MMB Matt Barna 3/30/23 2:37PM*

Received By: Date: *Daiana Nozack 03-30-2023 14:50*

Released By: Date: *Daiana Nozack*



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Routine (5 Days)
 RUSH (surcharges may apply) Circle 6 24 hours
 3 to 5 days
 Project #: 23-Z0187-0060
 Sampled by: Matt Barma
 Site Zip Code: 90650
 Sample Date: 03/29/2023 Page of 36

Building Name: Portable 209 / Portable 210

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- ~~Stop-analysis-of-homogeneous groups at first positive that is greater than or equal to 1.0%.~~ *MMB*

Optional items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: ygaleana@execenv.com; 923031510

US Mail Report to: Originating office check marked above Other: Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-206	Roof E Flashing	Caulking	Portable 209 Roof Belts and flashings	64	20 SF	0
-207	Roof NE Belt					
-208	Roof SW Flashing					
-209	Roof NE Belt	Caulking	Portable 210 Roof Belts and flashings	65	20 SF	0
-210	Roof Center Flashing					
-211	Roof SW Flashing					

Prefix: 230329 0060MB

Notes:

MMB Matt Barma 3/30/23 2:27

Daima Mezaffi

Released By Date: 03-30-2023 14:50
 Received By Date: 03-30-2023 14:50

Released By Date: & Time: _____
 Received By Date: & Time: _____

Form: AL-006PLM Rev. 1/19 ©Copyright 2019 All Rights Reserved



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Routine (5 Days)
 RUSH (surcharges may apply)
 Circle 6 hours 24 hours 48 hours 3 to 5 days

Project #:
23-20187-0060

Sampled by:
Matt Barna

Site Zip Code:
90650

Sample Date:
03/29/2023

Page of
37 of 78

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- Step analysis of homogeneous groups at first positive that is greater than or equal to 1.0%.

Building Name: Portable 211/Partridge 212

- All lab reports and invoices are to contain the Project Number from above.
- Unsigned and reports marked draft are unacceptable.
- Report to the attention of: Yessenia Galeana, Phone: (562) 889-1327

Optional items to be completed by the laboratory (if check marked):
 Email Report to: Info@execenv.com Other: ygaleana@execenv.com
 US Mail Report to: Originating office check marked above Other:
 Alternate billing address: 923031519

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-212	Roof NE Flashing	Caulking	Portable 211 Roof Belts and Flashing	66	2056	0
-213	Roof SE Flashing					
-214	Roof SW Belt					
-215	Roof NE Flashing	Caulking	Partridge 212 Roof Belts and Flashing	67	2056	0
-216	Roof SE Belt					
-217	Roof SW Belt					

Prefix: 2303
0060MB

Notes:
 Received By Date & Time: 03-30-2023 14:50
 Released By Date & Time: 03-30-2023 14:50
 Duenndez Vega
 Received By Date & Time: 03-30-2023 14:50
 Released By Date & Time: 03-30-2023 14:50



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Project #: 23-20187-0060
Sampled by: Matt Barna
Site Zip Code: 90650
Sample Date: 03/29/2023
Building Name: Portable 305 / Portable 306
 Page 058 of 058

The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. ~~Step-analysis of homogeneous groups at first positive that is greater than or equal to 1.0%.~~ *Mub*

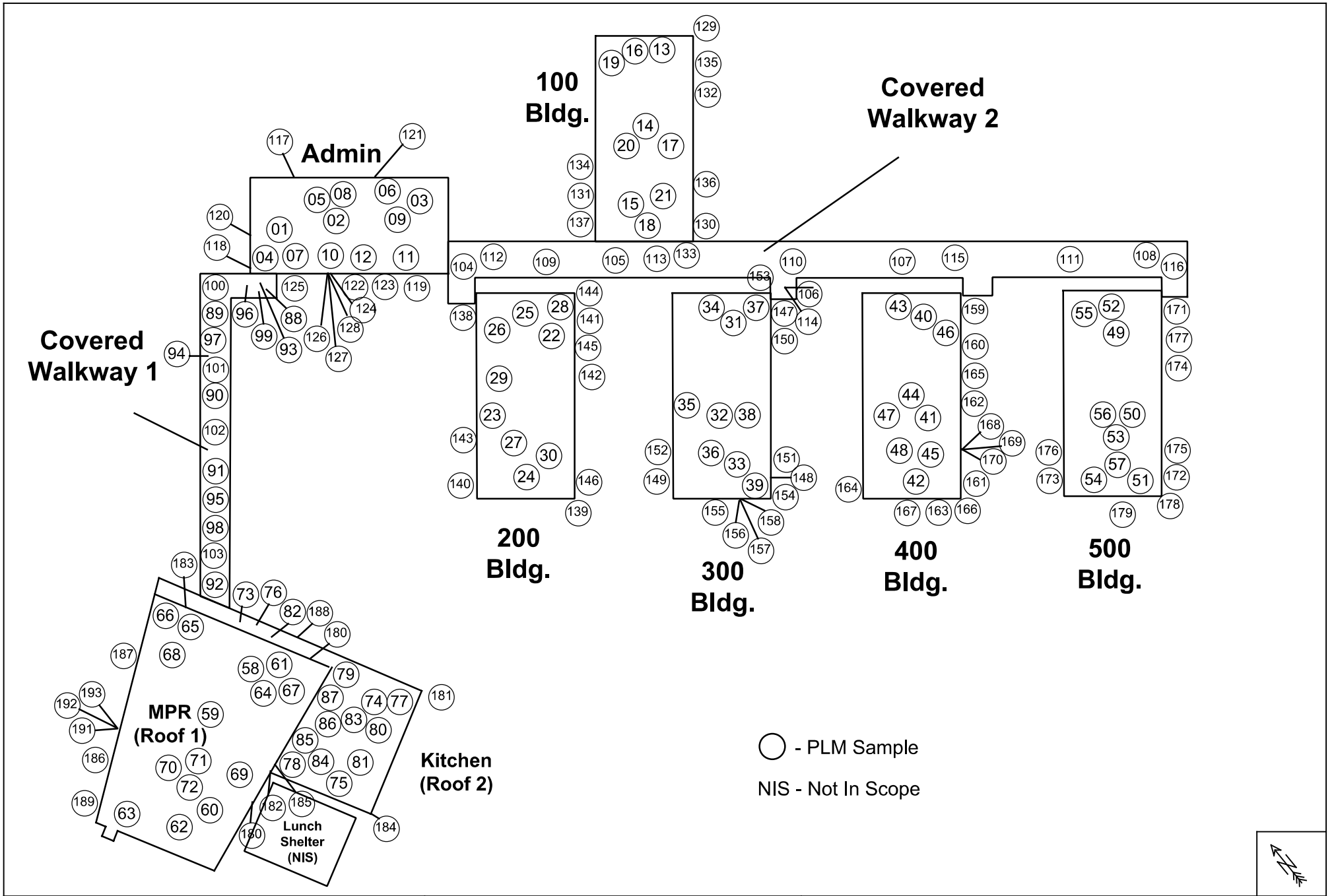
Optional items to be completed by the laboratory (if check marked):
 Email Report to: info@execenv.com
 Alternate billing address: 923031519
 US Mail Report to: Originating office check marked above Other:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-218	Roof NW HVAC	Caulking w/ MayNR	Portable 305 Roof Bolts, Roof Joints, Flashings and HVAC UNDR	68	30 SF	0
-219	Roof NE HVAC					
-220	Roof SE Pack Sack					
-221	Roof N Flashing	Caulking	Portable 306 Roof Bolts, Flashings and Roof Joints	69	20 SF	0
-222	Roof SE Pack Sack					
-223	Roof SW Pack Sack					

Prefix: 2303
0060MB

Notes:
 Released By: Diana Lopez
 Released Date: 03-30-2023 14:58
 Received By: Diana Lopez
 Received Date: 03-30-2023 14:58

APPENDIX B – SITE DRAWING



Client: Little Lake City SD

Project #: 23-Z0187-0060

Info: PLM Sample Locations

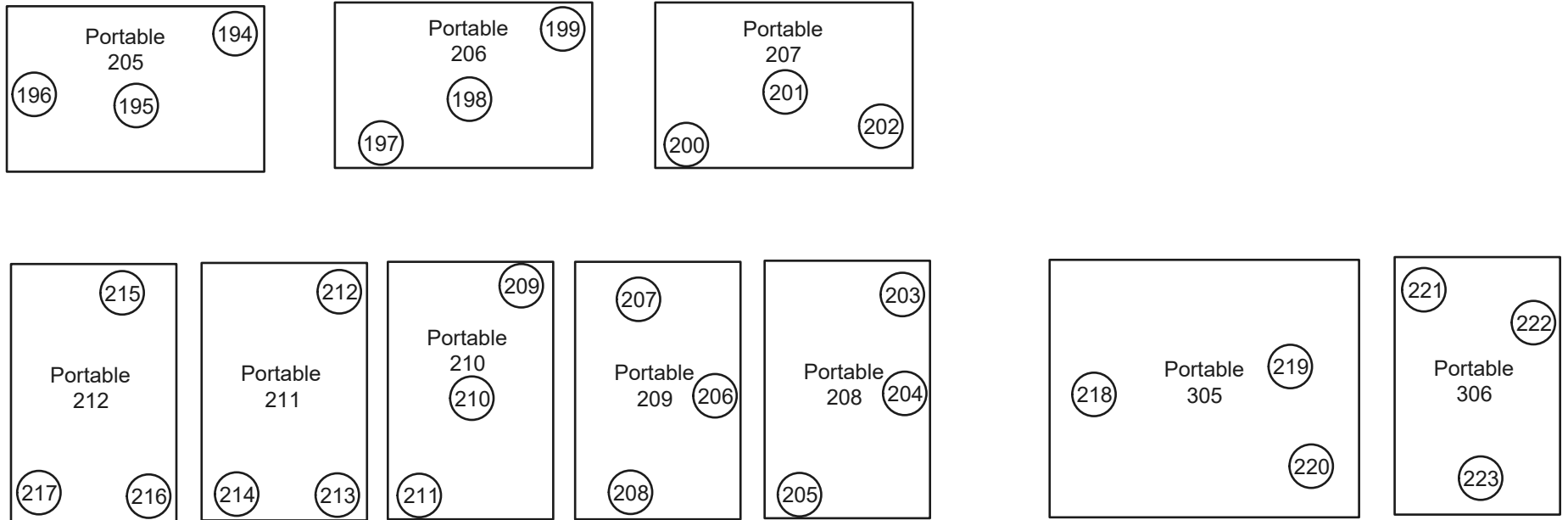


EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Site: Cresson ES
Address: 11650 Cresson St
Norwalk, CA 90670

Drawing Not to Scale - © 2012

Site Map



○ - PLM Sample



Client: Little Lake City SD

Project: 23-Z0187-0060

Info: PLM Sample Locations



EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Site: Cresson ES
Address: 11650 Cresson St
Norwalk, CA 90670

Drawing Not to Scale - © 2012

APPENDIX C – STAFF CERTIFICATION

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

Matthew C Barna

Name

Certification No. 19-6738

Expires on 01/15/24



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

**APPENDIX B – LIMITED LEAD-BASED PAINT INSPECTION REPORT
DATED – APRIL 18, 2023**



Industrial Hygiene • Air Quality • Lead & Asbestos • Training • Health & Safety

LIMITED LEAD-BASED PAINT INSPECTION REPORT

Conducted at:

CRESSON ELEMENTARY SCHOOL
EXTERIOR PAINTING AND MINOR REPAIR PROJECT
11650 CRESSON STREET
NORWALK, CALIFORNIA 90650

Prepared for:

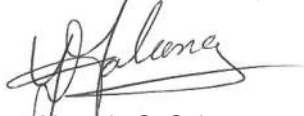
MR. BRENT GRIFFEN
DIRECTOR OF MAINTENANCE AND OPERATIONS AND CUSTODIAL SERVICES
LITTLE LAKE CITY SCHOOL DISTRICT
10515 SOUTH PIONEER BOULEVARD
SANTA FE SPRINGS, CALIFORNIA 90670

Prepared by:

EXECUTIVE ENVIRONMENTAL
310 EAST FOOTHILL BOULEVARD, SUITE 200
ARCADIA, CALIFORNIA 91006

Project Number EE 23-Z0187-0060
April 18, 2023

Report assembled by:


Yesenia G. Galeana
Technical Report Writer
Executive Environmental

Report generated/reviewed by:



Tim Galeana, CDPH # 00395
Senior Project Manager
Executive Environmental

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- II. SAMPLING PROTOCOL
- III. SAMPLING METHODOLOGY
- IV. SAMPLE ANALYSIS
- V. CONCLUSIONS/RECOMMENDATIONS
- VI. DISCLAIMER/REPORT LIMITATIONS

APPENDICES

APPENDIX A – SITE DRAWINGS

APPENDIX B – XRF SUMMARY RESULTS

APPENDIX C – LEAD HAZARD EVALUATION REPORT

APPENDIX D – XRF PERFORMANCE CHARACTERISTICS SHEET

LIMITED LEAD-BASED PAINT INSPECTION

Project Number: EE 23-Z0187-0060

Client: Little Lake City School District
10515 South Pioneer Boulevard
Santa Fe Springs, California 90670

Site Location: Cresson Elementary School
Exterior Painting and Minor Repair Project
11650 Cresson Street
Norwalk, California 90650

Site Use: School Property

Contact Person: Mr. Brent Griffen
Director of M&O and Custodial Services
Phone: (562) 868-8241

Inspection Date Between: April 1 thru 5, 2023

Inspected By: Mr. Matthew Barna
Certified Lead Professional, CDPH # 0010190

Report Assembled By: Ms. Yesenia G. Galeana
Technical Report Writer

Report Generated/Reviewed By: Mr. Tim Galeana
Certified Lead Professional, CDPH/LRC # 3732

I. EXECUTIVE SUMMARY

Executive Environmental (EE) was retained by the Little Lake City School District to conduct a limited lead-based paint inspection of permanent buildings, portables and covered walkway at Cresson Elementary School, located at 11650 Cresson Street, Norwalk, California 90650. The inspection was conducted as a precursor to the upcoming Exterior Painting and Minor Repair Project. EE provided a California Department of Public Health Certified Lead Inspector to conduct the inspection. Regulated lead-based paint was detected during this inspection. EE's Certified Lead Professional (CLP) conducted these services on April 1 thru 5, 2023. *This is considered a limited inspection. The inspection was limited to exterior surfaces and components anticipated to be impacted by the Exterior Painting and Minor Repair Project, as directed by the client.*

II. SAMPLING PROTOCOL

According to the United States Department of Housing and Urban Development's (HUD) guideline document, Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing, and Section 1017 of Title X, Residential Lead-Based Paint Hazard

Reduction Act of 1992, Public Law 102-550, paint found to have a lead concentration of at least 1.0 mg/cm² (milligrams per centimeter squared) by X-Ray Fluorescence (XRF) analysis, or 0.5 percent (5000 parts per million) by weight, is regulated as lead-based paint.

Los Angeles County Childhood Lead Poisoning Prevention Program established in 1991, further regulates that paint found to have a lead concentration greater than 0.7 mg/cm² via XRF readings, or 0.06 weight-to-weight percent by Atomic Absorption Spectrometry (AAS) analysis, is considered to be lead-based paint. The Los Angeles County 0.7 mg/cm² action level was used for determining the lead-based paint in this inspection because it is more stringent than the HUD guidelines.

Any material containing any detectable level of lead is subject to the Occupational Safety and Health Administration's (OSHA) Lead Exposure in Construction Rule 29 Code of Federal Regulation (CFR) 1926.62 and California Code of Regulations Title 8, Section 1532.1 Lead (8CCR1532.1) and Title 8, Section 5198, Lead (8CCR5198). All work that disturbs this type of material must be performed in accordance with this and any other applicable standards.

All facilities built prior to 1979 for residential buildings and prior to 1993 for schools are suspect for lead-containing materials. Federal and state regulations recognize only the following methods of identification: analysis by an XRF instrument, paint bulk sample collection and analysis, or a combination of both. This inspection was conducted via XRF instrumentation. The parameters used to interpret the XRF results are outlined in the HUD guidelines and the XRF Performance Characteristics Sheets (PCS).

III. SAMPLING METHODOLOGY

A visual inspection of the exterior of the permanent buildings, portables and covered walkway was conducted by EE's CLP to identify major site features and surfaces and/or components suspected of being coated with lead-based paint that will be impacted by the roofing and painting projects. After identifying the materials suspected of being coated with a lead-based paint, EE grouped the components, substrates, and room equivalents into testing combinations. A testing combination is defined as the room equivalent, component, and substrate. A room equivalent is an identifiable part of a building (e.g., classrooms, restrooms, mechanical rooms, exterior). Color does not accurately indicate painting history and is not included when assigning testing combinations. If there was any reason to suspect that materials may have been installed or painted at different times even though they appeared uniform, they were assigned to separate testing combinations.

Following the visual inspection, screening for the presence of lead-based paint was performed on-site using a portable XRF instrument. The XRF has the ability to measure lead content in paint within the range of 0 to 50 milligrams per centimeter squared (mg/cm²). The on-site inspection capability of the XRF instrument typically reduces the number of paint-chip samples that may need to be collected and sent for laboratory analysis. The portable XRF instrument used in this inspection was manufactured by Niton Corporation.

The following specifications apply to the Niton XRF:

- Ability to report both the K and L shell line x-ray emission energies simultaneously and report the lead concentration in mg/cm².

- Accuracy for a single reading on all building materials within 0.2 mg/cm², at 95 percent confidence, at 0 to 1 mg/cm².
- Equipped with a 40 milli-curie (mCi) cadmium, 109-sealed, radioactive source. Substrate effects are automatically corrected through a complex algorithm and calibration.

IV. SAMPLE ANALYSIS

According to local state, and federal standards, the following surfaces and/or components that were analyzed with the Niton XRF instrument during this inspection are considered to be coated with a regulated lead-based paint.

XRF SAMPLE ANALYSIS DATA Cresson Elementary School 11650 Cresson Street Norwalk, California 90650				
Location	Component	Substrate	Estimate Quantity	XRF Result Mg/cm ²
Administration Building				
Throughout exterior	Window frame/casing	Metal	80 Total	1, 0.9
Exterior, side A	Wall hydrant (red)	Metal	1 Total	17.3
Exterior, side C	Downspout (red)	Metal	2 Total	2
Rooftop	Roof pipe jack flashing	Metal	13 Total	81.2
Exterior, side C	Light fixture	Metal	1 Total	1.4
Multi-Purpose Building				
Throughout exterior	Vent (red)	Metal	9 Total	1.1
Exterior, side B	Downspout (red)	Metal	2 Total	1.7
Rooftops 1 and 2	Roof pipe jack flashing	Metal	17 Total	82.8, 80.1

Note: This table must be used in conjunction with the entire report.

XRF results continue on the next page.

XRF SAMPLE ANALYSIS DATA				
Cresson Elementary School 11650 Cresson Street Norwalk, California 90650				
Location	Component	Substrate	Estimate Quantity	XRF Result Mg/cm²
100 Building				
Exterior, side B	Downspout (red)	Metal	3 Total	1.5
Exterior, sides B, C, D	Window frame/casing	Metal	220 Totals	3.2, 2.5
Exterior, sides C & D	Wall hydrant (red)	Metal	2 Total	16
Rooftop	Roof pipe jack flashing	Metal	17 Total	64
200 Building				
Exterior, sides C & D	Wall hydrant (red)	Metal	3 Total	12
Exterior, sides B & D	Window frame/casing	Metal	184 Totals	0.9
Rooftop	Roof pipe jack flashing	Metal	25 Total	48.7
300 Building				
Exterior, sides B & D	Window frame/casing	Metal	184 Totals	0.9
Rooftop	Roof pipe jack flashing	Metal	25 Total	30.5
400 Building				
Exterior, sides B & D	Window header	Wood	550 Square Feet	1.3
Exterior, sides B & D	Window frame/casing	Metal	184 Totals	2.1,8
Exterior, side B	Downspout (red, peeling)	Metal	2 Total	1.8
Exterior, side B	Ribbed conduit	Metal	2 Total	1.3
Rooftop	Roof pipe jack flashing	Metal	25 Total	35

Note: This table must be used in conjunction with the entire report.

XRF results continue on the next page.

XRF SAMPLE ANALYSIS DATA				
Cresson Elementary School 11650 Cresson Street Norwalk, California 90650				
Location	Component	Substrate	Estimate Quantity	XRF Result Mg/cm²
500 Building				
Exterior, sides B & D	Window frame/casing	Metal	184 Totals	2.7, 2.1, 2.3
Exterior, side B	Transom	Wood	64 Square Feet	1
Exterior, sides B & D	Window header	Wood	550 Square Feet	1
Exterior, side B	Ribbed conduit	Metal	2 Total	2
Rooftop	Roof pipe jack flashing	Metal	25 Total	81
Covered Walkways				
Covered Walkway no. 1	Ceiling (cracked)	Metal	1,300 Square Feet	1.3
No regulated lead-based paint was identified on the surfaces or components of Covered Walkway no. 2				
Portables				
No regulated lead-based paint was identified on the exterior surfaces or components of Portables 205, 206, 207, 208, 209, 210, 211, 212, 305, 306.				

Note: This table must be used in conjunction with the entire report.

V. CONCLUSIONS/RECOMMENDATIONS

EE conducted a limited lead-based paint inspection of permanent buildings, portables and covered walkway at Cresson Elementary School, located at 11650 Cresson Street, Norwalk, California 90650. The following conclusions and/or recommendations apply:

Limited Lead-Based Paint Inspection

- Exterior painted surfaces and components of the permanent buildings, portables and covered walkway at Cresson Elementary School were tested via the Niton XRF for the presence of lead.
- The items listed in the previous tables were identified as being coated with a regulated lead-based paint.
- The surfaces/components were observed to be in intact to poor condition during this inspection.
- A fully representative number of XRF readings were taken at the project site. The results of these assays are presented in the XRF Summary Results spreadsheets.

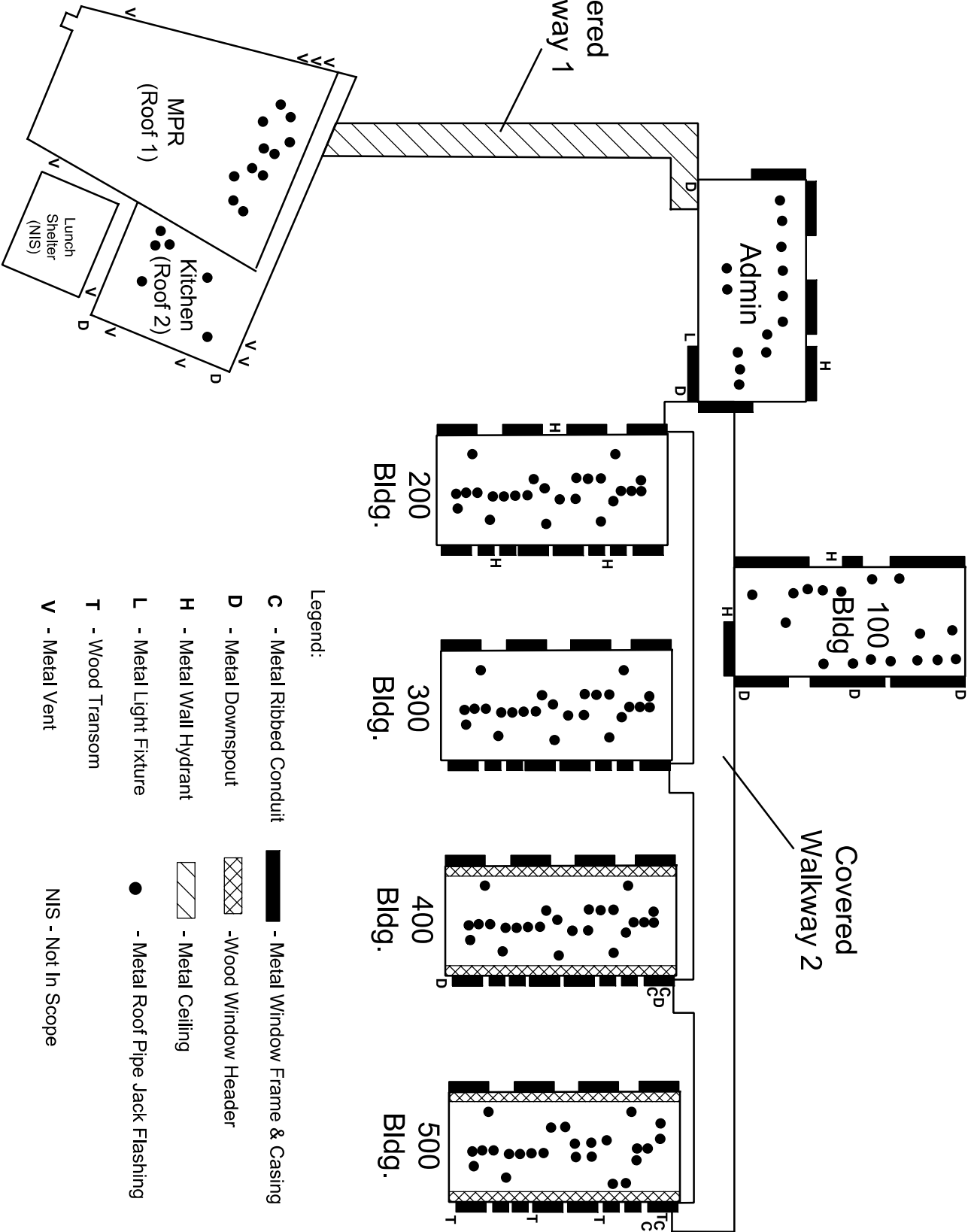
It is recommended that all renovation, remodeling, construction, or demolition actions that might potentially disturb surfaces covered with lead-based paint and/or ceramic glaze be performed by properly trained and qualified personnel.

VI. DISCLAIMER/REPORT LIMITATIONS

All reports and recommendations are based on conditions and practices observed and information made available to Executive Environmental (EE) by the client and the designated sites/facilities on the days sampling was conducted. This report does not purport to set forth all hazards, nor to indicate that other hazards do not exist. No responsibility is assumed by EE for the control or correction of conditions or practices existing at the facilities, or at any other premises surveyed by EE, for and on the behalf of the client. Services provided by EE shall be governed by the standard of practice for professional services measured at the time those services are rendered.

All information contained in this report is proprietary and limited to the scope of services, parameters of the analytical methods used and the conditions present at the time of this inspection. Any references to quantities are considered estimates and are not to be construed as actual.

APPENDIX A – SITE DRAWINGS



Legend:

- C - Metal Ribbed Conduit
- D - Metal Downspout
- H - Metal Wall Hydrant
- L - Metal Light Fixture
- T - Wood Transom
- V - Metal Vent
- Metal Window Frame & Casing
- Wood Window Header
- Metal Ceiling
- Metal Roof Pipe Jack Flashing
- NIS - Not In Scope

Client: Little Lake City SD

Project: 23-Z0187-0060

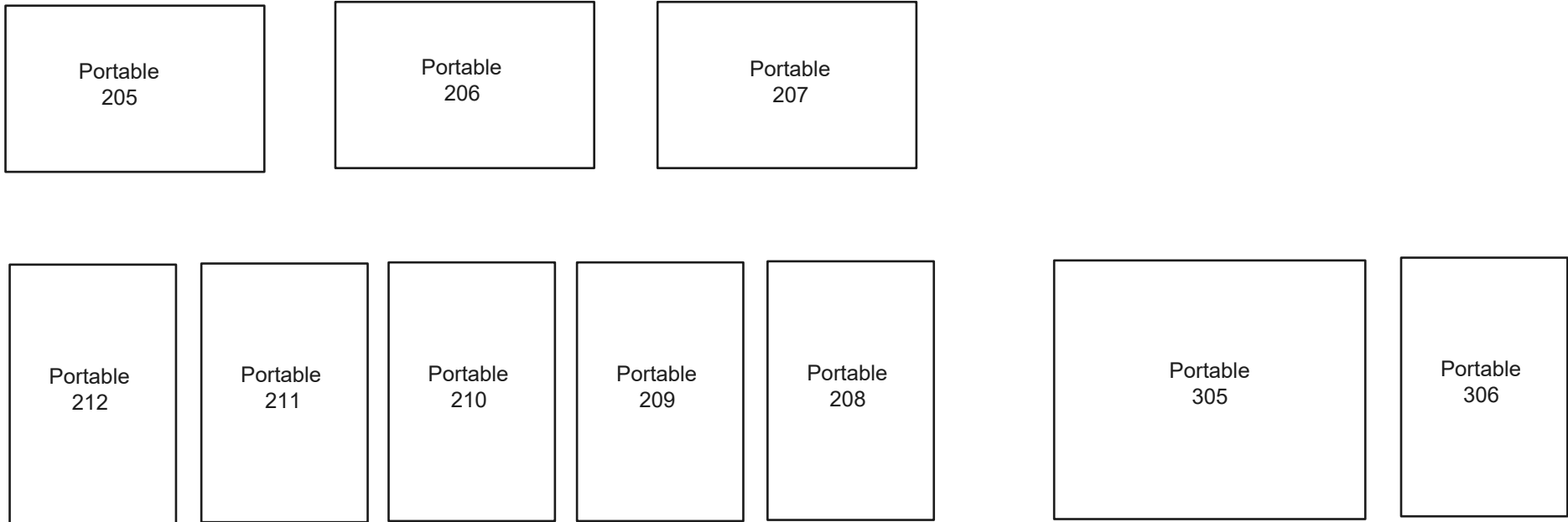
Info: Lead-Based Paint Identified (Page 1 of 2)



EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Site: Cresson ES
11650 Cresson St
Norwalk, CA 90670

Site Map



Client: Little Lake City SD

Project: 23-Z0187-0060

Info: No Lead-Based Paint Identified (Page 2 of 2)



EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Site: Cresson ES
Address: 11650 Cresson St
Norwalk, CA 90670

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APPENDIX B – XRF SUMMARY RESULTS

Little Lake City School District
Cresson Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
1	4/1/23	Paint			Shutter calibrate							0.68
2	4/1/23	Paint			Calibrate					Positive	0.7	1
3	4/1/23	Paint			Calibrate					Positive	0.7	1.1
4	4/1/23	Paint			Calibrate					Positive	0.7	1
5	4/1/23	Paint	Portable 305	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	< LOD
6	4/1/23	Paint	Portable 305	Exterior	Door frame trim	Wood	A	Intact	Beige	Negative	0.7	< LOD
7	4/1/23	Paint	Portable 305	Exterior	Door frame	Metal	A	Intact	Beige	Negative	0.7	< LOD
8	4/1/23	Paint	Portable 305	Exterior	Door	Metal	A	Intact	Green	Negative	0.7	< LOD
9	4/1/23	Paint	Portable 305	Exterior	Building frame	Metal	A	Intact	Beige	Negative	0.7	< LOD
10	4/1/23	Paint	Portable 305	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	< LOD
11	4/1/23	Paint	Portable 305	Exterior	Downspout	Metal	C	Intact	Beige	Negative	0.7	< LOD
12	4/1/23	Paint	Portable 305	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	< LOD
13	4/1/23	Paint	Portable 305	Exterior	Conduit	Metal	C	Intact	Beige	Negative	0.7	< LOD
14	4/1/23	Paint	Portable 305	Exterior	Electrical box	Metal	C	Intact	Beige	Negative	0.7	< LOD
15	4/1/23	Paint	Portable 305	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	0
16	4/1/23	Paint	Portable 305	Exterior	Ribbed conduit	Metal	C	Intact	Beige	Negative	0.7	0
17	4/1/23	Paint	Portable 305	Exterior	Overhang	Wood	A	Intact	Beige	Negative	0.7	0
18	4/1/23	Paint	Portable 305	Exterior	Drip edge	Plaster	A	Intact	Green	Negative	0.7	0
19	4/1/23	Paint	Portable 305	Exterior	HVAC unit	Metal	Roof	Intact	Beige	Negative	0.7	0
20	4/1/23	Paint	Portable 306	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	0
21	4/1/23	Paint	Portable 306	Exterior	Building frame	Metal	A	Intact	Beige	Negative	0.7	0
22	4/1/23	Paint	Portable 306	Exterior	Hand rail	Metal	A	Intact	Green	Negative	0.7	0
23	4/1/23	Paint	Portable 306	Exterior	Door	Metal	A	Intact	Green	Negative	0.7	0
24	4/1/23	Paint	Portable 306	Exterior	Door frame trim	Wood	A	Intact	Beige	Negative	0.7	0
25	4/1/23	Paint	Portable 306	Exterior	Door	Metal	A	Intact	Green	Negative	0.7	0

Little Lake City School District
Cresson Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
26	4/1/23	Paint	Portable 306	Exterior	Building skirt trim	Wood	A	Intact	Beige	Negative	0.7	0
27	4/1/23	Paint	Portable 306	Exterior	Foundation bracket	Metal	A	Intact	Beige	Negative	0.7	0
28	4/1/23	Paint	Portable 306	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	0
29	4/1/23	Paint	Portable 306	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	0
30	4/1/23	Paint	Portable 306	Exterior	Downspout	Metal	C	Intact	Beige	Negative	0.7	0
31	4/1/23	Paint	Portable 306	Exterior	Conduit	Metal	C	Intact	Beige	Negative	0.7	0
32	4/1/23	Paint	Portable 306	Exterior	HVAC unit	Metal	C	Intact	Gray	Negative	0.7	0
33	4/1/23	Paint	Portable 306	Exterior	Pipe	Metal	C	Intact	Beige	Negative	0.7	0
34	4/1/23	Paint	Portable 306	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	0
35	4/1/23	Paint	Portable 306	Exterior	Overhang	Wood	A	Intact	Beige	Negative	0.7	0
36	4/1/23	Paint	Portable 306	Exterior	Fascia	Metal	A	Intact	Green	Negative	0.7	0
37	4/1/23	Paint	Portable 306	Exterior	Drip edge	Metal	Roof	Intact	Green	Negative	0.7	0
38	4/1/23	Paint	Portable 305	Exterior	Fascia	Metal	A	Intact	Green	Negative	0.7	0
39	4/1/23	Paint	Portable 305	Exterior	Gutter	Metal	C	Intact	Green	Negative	0.7	0
40	4/1/23	Paint	Portable 306	Exterior	Gutter	Metal	C	Cracked	Green	Negative	0.7	0
41	4/1/23	Paint	Portable 205	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	0
42	4/1/23	Paint	Portable 205	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	0
43	4/1/23	Paint	Portable 205	Exterior	Door frame trim	Transite	B	Intact	Beige	Negative	0.7	0
44	4/1/23	Paint	Portable 205	Exterior	Door frame	Metal	B	Intact	Green	Negative	0.7	0
45	4/1/23	Paint	Portable 205	Exterior	Door	Metal	B	Intact	Green	Negative	0.7	0
46	4/1/23	Paint	Portable 205	Exterior	Hand rail	Metal	B	Intact	Green	Negative	0.7	0
47	4/1/23	Paint	Portable 205	Exterior	Ramp	Metal	B	Intact	Green	Negative	0.7	0
48	4/1/23	Paint	Portable 205	Exterior	Ramp siding	Wood	B	Intact	Beige	Negative	0.7	0
49	4/1/23	Paint	Portable 205	Exterior	Ramp brace	Metal	B	Intact	Beige	Negative	0.7	0
50	4/1/23	Paint	Portable 205	Exterior	Bag hanger	Wood	B	Peeling	Beige	Negative	0.7	0

Little Lake City School District
Cresson Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
51	4/1/23	Paint	Portable 205	Exterior	Foundation Trim	Wood	B	Intact	Beige	Negative	0.7	0
52	4/1/23	Paint	Portable 205	Exterior	Foundation Plate	Metal	B	Intact	Beige	Negative	0.7	0
53	4/1/23	Paint	Portable 205	Exterior	Building frame	Metal	B	Intact	Beige	Negative	0.7	0
54	4/1/23	Paint	Portable 205	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	0
55	4/1/23	Paint	Portable 205	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	0
56	4/1/23	Paint	Portable 205	Exterior	Electrical box	Metal	D	Intact	Gray	Negative	0.7	0
57	4/1/23	Paint	Portable 205	Exterior	Conduit	Metal	D	Intact	Beige	Negative	0.7	0
58	4/1/23	Paint	Portable 205	Exterior	Overhang	Wood	D	Intact	Beige	Negative	0.7	0
59	4/1/23	Paint	Portable 205	Exterior	Fascia	Metal	D	Intact	Green	Negative	0.7	0
60	4/1/23	Paint	Portable 205	Exterior	Gutter	Metal	D	Cracked	Green	Negative	0.7	0
61	4/1/23	Paint	Portable 205	Exterior	Drip edge	Metal	A	Intact	Green	Negative	0.7	0
62	4/1/23	Paint	Portable 205	Exterior	HVAC unit	Metal	Roof	Intact	Beige	Negative	0.7	0
63	4/1/23	Paint	Portable 206	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	0
64	4/1/23	Paint	Portable 206	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	0
65	4/1/23	Paint	Portable 206	Exterior	Building frame	Metal	B	Intact	Beige	Negative	0.7	0
66	4/1/23	Paint	Portable 206	Exterior	Building frame	Metal	B	Intact	Beige	Negative	0.7	0
67	4/1/23	Paint	Portable 206	Exterior	Conduit	Metal	B	Intact	Beige	Negative	0.7	0
68	4/1/23	Paint	Portable 206	Exterior	Electrical box	Metal	B	Intact	Gray	Negative	0.7	0
69	4/1/23	Paint	Portable 206	Exterior	Pipe	Metal	B	Intact	Beige	Negative	0.7	0
70	4/1/23	Paint	Portable 206	Exterior	Foundation Trim	Wood	B	Intact	Beige	Negative	0.7	0
71	4/1/23	Paint	Portable 206	Exterior	Foundation Plate	Metal	B	Intact	Beige	Negative	0.7	0
72	4/1/23	Paint	Portable 206	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	0
73	4/1/23	Paint	Portable 206	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	0
74	4/1/23	Paint	Portable 206	Exterior	Door frame trim	Wood	D	Intact	Beige	Negative	0.7	0

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
75	4/1/23	Paint	Portable 206	Exterior	Door frame	Metal	D	Intact	Green	Negative	0.7	0
76	4/1/23	Paint	Portable 206	Exterior	Door	Metal	D	Intact	Green	Negative	0.7	0
77	4/1/23	Paint	Portable 206	Exterior	Hand rail	Metal	D	Intact	Green	Negative	0.7	0
78	4/1/23	Paint	Portable 206	Exterior	Ramp	Metal	D	Cracked	Green	Negative	0.7	0
79	4/1/23	Paint	Portable 206	Exterior	Ramp brace	Metal	D	Intact	Beige	Negative	0.7	0
80	4/1/23	Paint	Portable 206	Exterior	Ramp siding	Wood	D	Intact	Beige	Negative	0.7	0
81	4/1/23	Paint	Portable 206	Exterior	Bag hanger	Wood	D	Peeling	Beige	Negative	0.7	0
82	4/1/23	Paint	Portable 206	Exterior	Fascia	Metal	A	Intact	Green	Negative	0.7	0
83	4/1/23	Paint	Portable 206	Exterior	Drip edge	Metal	A	Intact	Green	Negative	0.7	0
84	4/1/23	Paint	Portable 206	Exterior	Downspout	Metal	B	Intact	Beige	Negative	0.7	0
85	4/1/23	Paint	Portable 206	Exterior	Gutter	Metal	B	Poor	Green	Negative	0.7	0
86	4/1/23	Paint	Portable 206	Exterior	Overhang	Wood	B	Intact	Beige	Negative	0.7	0
87	4/1/23	Paint	Portable 206	Exterior	HVAC unit	Metal	Roof	Intact	Gray	Negative	0.7	0
88	4/1/23	Paint	Portable 206	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	0
89	4/1/23	Paint	Portable 206	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	0
90	4/1/23	Paint	Portable 206	Exterior	Conduit	Metal	B	Intact	Beige	Negative	0.7	0
91	4/1/23	Paint	Portable 206	Exterior	Electrical box	Metal	B	Intact	Gray	Negative	0.7	0
92	4/1/23	Paint	Portable 206	Exterior	Building frame	Metal	B	Intact	Beige	Negative	0.7	0
93	4/1/23	Paint	Portable 206	Exterior	Foundation Plate	Metal	B	Intact	Beige	Negative	0.7	0
94	4/1/23	Paint	Portable 206	Exterior	Foundation Trim	Wood	B	Intact	Beige	Negative	0.7	0
95	4/1/23	Paint	Portable 207	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	0
96	4/1/23	Paint	Portable 207	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	0
97	4/1/23	Paint	Portable 207	Exterior	Door frame trim	Wood	D	Intact	Beige	Negative	0.7	0
98	4/1/23	Paint	Portable 207	Exterior	Door frame	Metal	D	Intact	Green	Negative	0.7	0
99	4/1/23	Paint	Portable 207	Exterior	Door	Metal	D	Intact	Green	Negative	0.7	0
100	4/1/23	Paint	Portable 207	Exterior	Hand rail	Metal	D	Intact	Green	Negative	0.7	0

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
101	4/1/23	Paint	Portable 207	Exterior	Ramp	Metal	D	Intact	Green	Negative	0.7	< LOD
102	4/1/23	Paint	Portable 207	Exterior	Ramp brace	Metal	D	Intact	Beige	Negative	0.7	0
103	4/1/23	Paint	Portable 207	Exterior	Overhang	Wood	D	Intact	Beige	Negative	0.7	0
104	4/1/23	Paint	Portable 207	Exterior	Fascia	Metal	D	Intact	Green	Negative	0.7	0
105	4/1/23	Paint	Portable 207	Exterior	Drip edge	Metal	D	Intact	Green	Negative	0.7	0
106	4/1/23	Paint	Portable 207	Exterior	Ramp siding	Wood	D	Intact	Beige	Negative	0.7	0
107	4/1/23	Paint	Portable 207	Exterior	Downspout	Metal	B	Intact	Beige	Negative	0.7	0
108	4/1/23	Paint	Portable 207	Exterior	Gutter	Metal	B	Cracked	Green	Negative	0.7	0
109	4/1/23	Paint	Portable 207	Exterior	HVAC unit	Metal	Roof	Intact	Gray	Negative	0.7	0
110	4/1/23	Paint	Portable 208	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	0
111	4/1/23	Paint	Portable 208	Exterior	Door frame trim	Wood	A	Intact	Beige	Negative	0.7	0
112	4/1/23	Paint	Portable 208	Exterior	Door frame	Metal	A	Intact	Green	Negative	0.7	0
113	4/1/23	Paint	Portable 208	Exterior	Door	Metal	A	Intact	Green	Negative	0.7	0
114	4/1/23	Paint	Portable 208	Exterior	Downspout	Metal	A	Intact	Beige	Negative	0.7	0
115	4/1/23	Paint	Portable 208	Exterior	Hand rail	Metal	A	Intact	Green	Negative	0.7	0.01
116	4/1/23	Paint	Portable 208	Exterior	Ramp brace	Metal	A	Intact	Beige	Negative	0.7	0
117	4/1/23	Paint	Portable 208	Exterior	Foundation Plate	Metal	A	Intact	Beige	Negative	0.7	0
118	4/1/23	Paint	Portable 208	Exterior	Bag hanger	Wood	A	Intact	Beige	Negative	0.7	0
119	4/1/23	Paint	Portable 208	Exterior	Building frame	Metal	A	Peeling	Beige	Negative	0.7	0
120	4/1/23	Paint	Portable 208	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	0
121	4/1/23	Paint	Portable 208	Exterior	Foundation Trim	Metal	B	Intact	Beige	Negative	0.7	0
122	4/1/23	Paint	Portable 208	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	0
123	4/1/23	Paint			Calibrate					Positive	0.7	1
124	4/1/23	Paint			Calibrate					Positive	0.7	1
125	4/1/23	Paint			Calibrate					Positive	0.7	1.1

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
126	4/1/23	Paint			Shutter Calibrate							0.65
127	4/1/23	Paint			Calibrate					Positive	0.7	1
128	4/1/23	Paint			Calibrate					Positive	0.7	1.1
129	4/1/23	Paint			Calibrate					Positive	0.7	1
130	4/1/23	Paint	Portable 208	Exterior	Conduit	Metal	B	Intact	Beige	Negative	0.7	< LOD
131	4/1/23	Paint	Portable 208	Exterior	Electrical box	Metal	C	Intact	Gray	Negative	0.7	< LOD
132	4/1/23	Paint	Portable 208	Exterior	HVAC unit	Metal	C	Intact	Gray	Negative	0.7	< LOD
133	4/1/23	Paint	Portable 208	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	< LOD
134	4/1/23	Paint	Portable 208	Exterior	Pipe	Metal	D	Intact	Beige	Negative	0.7	< LOD
135	4/1/23	Paint	Portable 208	Exterior	Overhang	Wood	C	Intact	Beige	Negative	0.7	< LOD
136	4/1/23	Paint	Portable 208	Exterior	Fascia	Metal	C	Intact	Green	Negative	0.7	< LOD
137	4/1/23	Paint	Portable 208	Exterior	Gutter	Metal	C	Intact	Green	Negative	0.7	< LOD
138	4/1/23	Paint	Portable 208	Exterior	Drip edge	Metal	D	Intact	Green	Negative	0.7	< LOD
139	4/1/23	Paint	Portable 208	Exterior	Transformer	Metal	C	Intact	Gray	Negative	0.7	< LOD
140	4/1/23	Paint	Portable 209	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	< LOD
141	4/1/23	Paint	Portable 209	Exterior	Building frame	Metal	A	Intact	Beige	Negative	0.7	< LOD
142	4/1/23	Paint	Portable 209	Exterior	Door frame trim	Wood	A	Intact	Beige	Negative	0.7	< LOD
143	4/1/23	Paint	Portable 209	Exterior	Door frame	Metal	A	Intact	Green	Negative	0.7	< LOD
144	4/1/23	Paint	Portable 209	Exterior	Door	Metal	A	Intact	Green	Negative	0.7	< LOD
145	4/1/23	Paint	Portable 209	Exterior	Hand rail	Metal	A	Intact	Green	Negative	0.7	< LOD
146	4/1/23	Paint	Portable 209	Exterior	Ramp brace	Metal	A	Intact	Beige	Negative	0.7	< LOD
147	4/1/23	Paint	Portable 209	Exterior	Ramp siding	Wood	A	Intact	Beige	Negative	0.7	< LOD
148	4/1/23	Paint	Portable 209	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	< LOD
149	4/1/23	Paint	Portable 209	Exterior	Foundation Trim	Wood	B	Intact	Beige	Negative	0.7	< LOD
150	4/1/23	Paint	Portable 209	Exterior	Foundation Plate	Metal	B	Intact	Beige	Negative	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
151	4/1/23	Paint	Portable 209	Exterior	Pole	Metal	B	Intact	Beige	Negative	0.7	< LOD
152	4/1/23	Paint	Portable 209	Exterior	Gate	Wood	B	Peeling	Beige	Negative	0.7	< LOD
153	4/1/23	Paint	Portable 209	Exterior	Hinge	Metal	B	Intact	Beige	Negative	0.7	< LOD
154	4/1/23	Paint	Portable 209	Exterior	Window panel	Wood	C	Intact	Beige	Negative	0.7	< LOD
155	4/1/23	Paint	Portable 209	Exterior	Conduit	Metal	C	Intact	Beige	Negative	0.7	< LOD
156	4/1/23	Paint	Portable 209	Exterior	Electrical box	Metal	C	Intact	Gray	Negative	0.7	< LOD
157	4/1/23	Paint	Portable 209	Exterior	HVAC unit	Metal	C	Intact	Gray	Negative	0.7	< LOD
158	4/1/23	Paint	Portable 209	Exterior	Downspout	Metal	C	Intact	Beige	Negative	0.7	< LOD
159	4/1/23	Paint	Portable 209	Exterior	Overhang	Wood	C	Intact	Beige	Negative	0.7	< LOD
160	4/1/23	Paint	Portable 209	Exterior	Fascia	Metal	C	Intact	Green	Negative	0.7	< LOD
161	4/1/23	Paint	Portable 209	Exterior	Gutter	Metal	C	Intact	Green	Negative	0.7	< LOD
162	4/1/23	Paint	Portable 209	Exterior	Drip edge	Metal	D	Intact	Green	Negative	0.7	< LOD
163	4/1/23	Paint	Portable 209	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	< LOD
164	4/1/23	Paint	Portable 209	Exterior	Pipe	Metal	D	Intact	Beige	Negative	0.7	< LOD
165	4/1/23	Paint	Portable 209	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	< LOD
166	4/1/23	Paint	Portable 209	Exterior	Building frame	Metal	A	Intact	Beige	Negative	0.7	< LOD
167	4/1/23	Paint	Portable 210	Exterior	Door frame trim	Wood	A	Intact	Beige	Negative	0.7	< LOD
168	4/1/23	Paint	Portable 210	Exterior	Door frame	Metal	A	Intact	Green	Negative	0.7	< LOD
169	4/1/23	Paint	Portable 210	Exterior	Door	Metal	A	Intact	Green	Negative	0.7	< LOD
170	4/1/23	Paint	Portable 210	Exterior	Hand rail	Metal	A	Intact	Green	Negative	0.7	< LOD
171	4/1/23	Paint	Portable 210	Exterior	Ramp	Metal	A	Intact	Green	Negative	0.7	< LOD
172	4/1/23	Paint	Portable 210	Exterior	Ramp siding	Wood	A	Intact	Beige	Negative	0.7	< LOD
173	4/1/23	Paint	Portable 210	Exterior	Ramp brace	Metal	A	Intact	Beige	Negative	0.7	< LOD
174	4/1/23	Paint	Portable 210	Exterior	Foundation Trim	Wood	A	Intact	Beige	Negative	0.7	< LOD
175	4/1/23	Paint	Portable 210	Exterior	Bag hanger	Wood	A	Peeling	Beige	Negative	0.7	< LOD
176	4/1/23	Paint	Portable 210	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	< LOD
177	4/1/23	Paint	Portable 210	Exterior	Pole	Metal	B	Intact	Beige	Negative	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
178	4/1/23	Paint	Portable 210	Exterior	Gate	Wood	B	Cracked	Beige	Negative	0.7	< LOD
179	4/1/23	Paint	Portable 210	Exterior	Hinge	Metal	B	Intact	Beige	Negative	0.7	< LOD
180	4/1/23	Paint	Portable 210	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	< LOD
181	4/1/23	Paint	Portable 210	Exterior	Conduit	Metal	D	Intact	Beige	Negative	0.7	< LOD
182	4/1/23	Paint	Portable 210	Exterior	HVAC unit	Metal	C	Intact	Gray	Negative	0.7	< LOD
183	4/1/23	Paint	Portable 210	Exterior	Electrical box	Metal	C	Intact	Beige	Negative	0.7	< LOD
184	4/1/23	Paint	Portable 210	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	< LOD
185	4/1/23	Paint	Portable 210	Exterior	Pipe	Metal	D	Intact	Beige	Negative	0.7	< LOD
186	4/1/23	Paint	Portable 210	Exterior	Overhang	Wood	D	Intact	Beige	Negative	0.7	< LOD
187	4/1/23	Paint	Portable 210	Exterior	Fascia	Metal	C	Intact	Green	Negative	0.7	< LOD
188	4/1/23	Paint	Portable 210	Exterior	Gutter	Metal	C	Intact	Green	Negative	0.7	< LOD
189	4/1/23	Paint	Portable 210	Exterior	Downspout	Metal	C	Intact	Beige	Negative	0.7	< LOD
190	4/1/23	Paint	Portable 210	Exterior	Drip edge	Metal	D	Intact	Green	Negative	0.7	< LOD
191	4/1/23	Paint	Portable 211	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	< LOD
192	4/1/23	Paint	Portable 211	Exterior	Building frame	Metal	A	Peeling	Beige	Negative	0.7	< LOD
193	4/1/23	Paint	Portable 211	Exterior	Door frame trim	Wood	A	Intact	Beige	Negative	0.7	< LOD
194	4/1/23	Paint	Portable 211	Exterior	Door frame	Metal	A	Intact	Green	Negative	0.7	< LOD
195	4/1/23	Paint	Portable 211	Exterior	Door	Metal	A	Intact	Green	Negative	0.7	< LOD
196	4/1/23	Paint	Portable 211	Exterior	Hand rail	Metal	A	Intact	Green	Negative	0.7	< LOD
197	4/1/23	Paint	Portable 211	Exterior	Ramp	Metal	A	Intact	Green	Negative	0.7	< LOD
198	4/1/23	Paint	Portable 211	Exterior	Ramp brace	Metal	A	Intact	Beige	Negative	0.7	< LOD
199	4/1/23	Paint	Portable 211	Exterior	Foundation Trim	Wood	A	Intact	Beige	Negative	0.7	< LOD
200	4/1/23	Paint	Portable 211	Exterior	Foundation Plate	Metal	A	Intact	Beige	Negative	0.7	< LOD
201	4/1/23	Paint	Portable 211	Exterior	Bag hanger	Wood	A	Poor	Beige	Negative	0.7	< LOD
202	4/1/23	Paint			Calibrate					Positive	0.7	0.9
203	4/1/23	Paint			Calibrate					Positive	0.7	1

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204	4/1/23	Paint			Calibrate					Positive	0.7	1.1
205	4/3/23	Paint			Shutter calibrate							0.68
206	4/3/23	Paint			Calibrate					Positive	0.7	0.9
207	4/3/23	Paint			Calibrate					Positive	0.7	1
208	4/3/23	Paint			Calibrate					Positive	0.7	1
209	4/3/23	Paint	Portable 211	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	< LOD
210	4/3/23	Paint	Portable 211	Exterior	Foundation Trim	Wood	B	Intact	Beige	Negative	0.7	< LOD
211	4/3/23	Paint	Portable 211	Exterior	Foundation Plate	Metal	B	Intact	Beige	Negative	0.7	< LOD
212	4/3/23	Paint	Portable 211	Exterior	Pipe	Metal	B	Intact	Beige	Negative	0.7	< LOD
213	4/3/23	Paint	Portable 211	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	< LOD
214	4/3/23	Paint	Portable 211	Exterior	Conduit	Metal	C	Intact	Beige	Negative	0.7	< LOD
215	4/3/23	Paint	Portable 211	Exterior	Electrical box	Metal	C	Peeling	Beige	Negative	0.7	< LOD
216	4/3/23	Paint	Portable 211	Exterior	HVAC unit	Metal	C	Intact	Gray	Negative	0.7	< LOD
217	4/3/23	Paint	Portable 211	Exterior	Gate	Wood	C	Cracked	Beige	Negative	0.7	< LOD
218	4/3/23	Paint	Portable 211	Exterior	Pole	Metal	C	Intact	Beige	Negative	0.7	< LOD
219	4/3/23	Paint	Portable 211	Exterior	Hinge	Metal	C	Intact	Beige	Negative	0.7	< LOD
220	4/3/23	Paint	Portable 211	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	< LOD
221	4/3/23	Paint	Portable 211	Exterior	Gutter	Metal	A	Intact	Beige	Negative	0.7	< LOD
222	4/3/23	Paint	Portable 211	Exterior	Gutter	Metal	A	Intact	Green	Negative	0.7	< LOD
223	4/3/23	Paint	Portable 211	Exterior	Overhang	Wood	A	Intact	Beige	Negative	0.7	< LOD
224	4/3/23	Paint	Portable 212	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	< LOD
225	4/3/23	Paint	Portable 212	Exterior	Building frame	Metal	A	Intact	Beige	Negative	0.7	< LOD
226	4/3/23	Paint	Portable 212	Exterior	Door frame trim	Wood	A	Intact	Beige	Negative	0.7	< LOD
227	4/3/23	Paint	Portable 212	Exterior	Door frame	Metal	A	Intact	Green	Negative	0.7	< LOD
228	4/3/23	Paint	Portable 212	Exterior	Door	Metal	A	Intact	Green	Negative	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
229	4/3/23	Paint	Portable 212	Exterior	Hand rail	Metal	A	Intact	Green	Negative	0.7	< LOD
230	4/3/23	Paint	Portable 212	Exterior	Ramp	Metal	A	Intact	Green	Negative	0.7	< LOD
231	4/3/23	Paint	Portable 212	Exterior	Ramp brace	Metal	A	Intact	Beige	Negative	0.7	< LOD
232	4/3/23	Paint	Portable 212	Exterior	Ramp siding	Wood	A	Intact	Beige	Negative	0.7	< LOD
233	4/3/23	Paint	Portable 212	Exterior	Foundation Plate	Metal	A	Intact	Beige	Negative	0.7	< LOD
234	4/3/23	Paint	Portable 212	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	< LOD
235	4/3/23	Paint	Portable 212	Exterior	Foundation Trim	Wood	B	Intact	Beige	Negative	0.7	< LOD
236	4/3/23	Paint	Portable 212	Exterior	Pipe	Metal	B	Intact	Beige	Negative	0.7	< LOD
237	4/3/23	Paint	Portable 212	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	< LOD
238	4/3/23	Paint	Portable 212	Exterior	Conduit	Metal	C	Intact	Beige	Negative	0.7	< LOD
239	4/3/23	Paint	Portable 212	Exterior	Electrical box	Metal	C	Peeling	Beige	Negative	0.7	< LOD
240	4/3/23	Paint	Portable 212	Exterior	HVAC unit	Metal	C	Intact	Gray	Negative	0.7	< LOD
241	4/3/23	Paint	Portable 212	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	< LOD
242	4/3/23	Paint	Portable 212	Exterior	Fascia	Metal	D	Intact	Green	Negative	0.7	< LOD
243	4/3/23	Paint	Portable 212	Exterior	Drip edge	Metal	D	Intact	Green	Negative	0.7	< LOD
244	4/3/23	Paint	Portable 212	Exterior	Downspout	Metal	A	Intact	Beige	Negative	0.7	< LOD
245	4/3/23	Paint	Portable 212	Exterior	Gutter	Metal	A	Peeling	Green	Negative	0.7	< LOD
246	4/3/23	Paint	Portable 212	Exterior	Overhang	Wood	A	Intact	Beige	Negative	0.7	< LOD
247	4/3/23	Paint	Portable 211	Exterior	Drip edge	Metal	D	Intact	Green	Negative	0.7	< LOD
248	4/3/23	Paint	Portable 211	Exterior	Fascia	Metal	D	Intact	Green	Negative	0.7	< LOD
249	4/3/23	Paint	MPR Building	Exterior	Wall	Brick	A	Intact	Red	Negative	0.7	< LOD
250	4/3/23	Paint	MPR Building	Exterior	Door frame	Metal	A	Intact	Blue	Negative	0.7	< LOD
251	4/3/23	Paint	MPR Building	Exterior	Door	Metal	A	Intact	Blue	Negative	0.7	< LOD
252	4/3/23	Paint	MPR Building	Exterior	Window frame	Metal	A	Intact	Blue	Negative	0.7	< LOD
253	4/3/23	Paint	MPR Building	Exterior	Conduit	Metal	A	Intact	Red	Negative	0.7	< LOD
254	4/3/23	Paint	MPR Building	Exterior	Vent	Metal	A	Intact	Red	Positive	0.7	1.1
255	4/3/23	Paint	MPR Building	Exterior	Overhang	Stucco	A	Intact	Beige	Null	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
256	4/3/23	Paint	MPR Building	Exterior	Overhang	Stucco	A	Intact	Beige	Negative	0.7	< LOD
257	4/3/23	Paint	MPR Building	Exterior	Overhang trim	Wood	A	Intact	Beige	Negative	0.7	< LOD
258	4/3/23	Paint	MPR Building	Exterior	Fascia	Wood	A	Peeling	Green	Negative	0.7	0.6
259	4/3/23	Paint	MPR Building	Exterior	Wall	Brick	B	Intact	Red	Negative	0.7	< LOD
260	4/3/23	Paint	MPR Building	Exterior	Downspout	Metal	B	Intact	Red	Positive	0.7	1.7
261	4/3/23	Paint	MPR Building	Exterior	Fascia	Wood	B	Intact	Green	Negative	0.7	< LOD
262	4/3/23	Paint	MPR Building	Exterior	Gutter	Metal	B	Peeling	Green	Negative	0.7	< LOD
263	4/3/23	Paint	MPR Building	Exterior	Fascia	Wood	B	Cracked	Green	Negative	0.7	0.5
264	4/3/23	Paint	MPR Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	< LOD
265	4/3/23	Paint	MPR Building	Exterior	Gate	Wood	C	Chalking	Blue	Negative	0.7	< LOD
266	4/3/23	Paint	MPR Building	Exterior	Hinge	Metal	C	Chalking	Blue	Negative	0.7	< LOD
267	4/3/23	Paint	MPR Building	Exterior	Wall	Stucco	D	Intact	Beige	Negative	0.7	< LOD
268	4/3/23	Paint	MPR Building	Exterior	Hand rail	Metal	D	Intact	Blue	Negative	0.7	< LOD
269	4/3/23	Paint	MPR Building	Exterior	Drip edge	Metal	D	Peeling	Green	Negative	0.7	< LOD
270	4/3/23	Paint	MPR Building	Exterior	Roof pipe jack flashing	Metal	Roof 1	Intact	Gray	Positive	0.7	82.8
271	4/3/23	Paint	MPR Building	Exterior	Wall Flashing	Metal	Roof 1	Intact	Gray	Negative	0.7	< LOD
272	4/3/23	Paint	MPR Building	Exterior	HVAC unit	Metal	Roof 1	Intact	Gray	Negative	0.7	< LOD
273	4/3/23	Paint	MPR Building	Exterior	Electrical box	Metal	Roof 1	Chalking	Gray	Negative	0.7	< LOD
274	4/3/23	Paint	MPR Building	Exterior	Wall flashing	Metal	Roof 2	Peeling	Gray	Negative	0.7	0.5
275	4/3/23	Paint	MPR Building	Exterior	Overhang	Stucco	Roof 2	Intact	Beige	Negative	0.7	< LOD
276	4/3/23	Paint	MPR Building	Exterior	Downspout splash guard	Metal	Roof 2	Cracked	Gray	Negative	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
277	4/3/23	Paint	MPR Building	Exterior	Roof pipe jack flashing	Plaster	Roof 2	Intact	Gray	Positive	0.7	80.1
278	4/3/23	Paint	MPR Building	Exterior	HVAC unit	Metal	Roof 2	Intact	Gray	Negative	0.7	< LOD
279	4/3/23	Paint	MPR Building	Exterior	Electrical box	Metal	Roof 2	Intact	Gray	Negative	0.7	< LOD
280	4/3/23	Paint	MPR Building	Exterior	Fascia	Wood	A	Peeling	Green	Negative	0.7	< LOD
281	4/3/23	Paint	Administration Building	Exterior	Wall	Brick	A	Intact	Red	Negative	0.7	< LOD
282	4/3/23	Paint	Administration Building	Exterior	Window frame	Metal	A	Intact	Beige	Positive	0.7	1
283	4/3/23	Paint	Administration Building	Exterior	Window panel	Wood	A	Intact	Beige	Negative	0.7	< LOD
284	4/3/23	Paint	Administration Building	Exterior	HVAC unit	Metal	A	Intact	White	Negative	0.7	< LOD
285	4/3/23	Paint	Administration Building	Exterior	HVAC unit bracket	Metal	A	Intact	Beige	Negative	0.7	< LOD
286	4/3/23	Paint	Administration Building	Exterior	Vent	Metal	A	Intact	Red	Negative	0.7	< LOD
287	4/3/23	Paint	Administration Building	Exterior	School sign frame	Metal	A	Intact	Blue	Negative	0.7	< LOD
288	4/3/23	Paint	Administration Building	Exterior	Electrical box	Metal	A	Chalking	Gray	Negative	0.7	< LOD
289	4/3/23	Paint	Administration Building	Exterior	Conduit	Metal	A	Intact	Red	Negative	0.7	< LOD
290	4/3/23	Paint	Administration Building	Exterior	Wall hydrant	Metal	A	Intact	Red	Positive	0.7	17.3
291	4/3/23	Paint	Administration Building	Exterior	Pipe	Metal	A	Peeling	Red	Negative	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
292	4/3/23	Paint	Administration Building	Exterior	Overhang	Wood	A	Intact	Beige	Negative	0.7	0.27
293	4/3/23	Paint	Administration Building	Exterior	Fascia	Wood	A	Intact	Green	Negative	0.7	< LOD
294	4/3/23	Paint	Administration Building	Exterior	Drip edge	Metal	A	Peeling	Green	Negative	0.7	< LOD
295	4/3/23	Paint	Administration Building	Exterior	Wall	Brick	B	Intact	Red	Negative	0.7	< LOD
296	4/3/23	Paint	Administration Building	Exterior	Window panel	Glass	B	Intact	Beige	Negative	0.7	< LOD
297	4/3/23	Paint	Administration Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	< LOD
298	4/3/23	Paint	Administration Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	< LOD
299	4/3/23	Paint	Administration Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	< LOD
300	4/3/23	Paint	Administration Building	Exterior	Window frame	Metal	C	Intact	Beige	Negative	0.7	< LOD
301	4/3/23	Paint	Administration Building	Exterior	Window frame	Metal	C	Intact	Beige	Positive	0.7	0.9
302	4/3/23	Paint	Administration Building	Exterior	Downspout	Metal	C	Intact	Red	Negative	0.7	2
303	4/3/23	Paint	Administration Building	Exterior	Overhang	Wood	C	Intact	Beige	Negative	0.7	< LOD
304	4/3/23	Paint	Administration Building	Exterior	Overhang	Wood	C	Intact	Beige	Negative	0.7	0.23
305	4/3/23	Paint	Administration Building	Exterior	Fascia	Wood	B	Peeling	Beige	Negative	0.7	0.24

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
306	4/3/23	Paint	Administration Building	Exterior	Overhang	Wood	C	Intact	Beige	Negative	0.7	0.3
307	4/3/23	Paint	Administration Building	Exterior	Conduit	Metal	C	Intact	Beige	Negative	0.7	< LOD
308	4/3/23	Paint	Administration Building	Exterior	Overhang trim	Wood	C	Peeling	Beige	Negative	0.7	0.4
309	4/3/23	Paint	Administration Building	Exterior	Fascia	Wood	C	Peeling	Green	Negative	0.7	< LOD
310	4/3/23	Paint	Administration Building	Exterior	Gutter	Metal	C	Peeling	Green	Negative	0.7	< LOD
311	4/3/23	Paint	Administration Building	Exterior	Wall	Brick	D	Intact	Red	Negative	0.7	< LOD
312	4/3/23	Paint	Administration Building	Exterior	Vent	Metal	D	Intact	Red	Negative	0.7	< LOD
313	4/3/23	Paint	Administration Building	Exterior	Wall	Stucco	C	Intact	Red	Negative	0.7	< LOD
314	4/3/23	Paint	Administration Building	Exterior	Coat hanger	Wood	C	Intact	Blue	Negative	0.7	< LOD
315	4/3/23	Paint	Administration Building	Exterior	Transom	Wood	C	Intact	Beige	Negative	0.7	< LOD
316	4/3/23	Paint	Administration Building	Exterior	Santa Fe alarm box	Metal	C	Intact	Red	Negative	0.7	< LOD
317	4/3/23	Paint	Administration Building	Exterior	Light fixture	Metal	C	Intact	Red	Positive	0.7	1.4
318	4/3/23	Paint	100 Building	Exterior	Wall	Brick	A	Intact	Red	Negative	0.7	< LOD
319	4/3/23	Paint	100 Building	Exterior	Wall	Brick	B	Intact	Red	Negative	0.7	< LOD
320	4/3/23	Paint	100 Building	Exterior	Door frame trim	Wood	B	Intact	Beige	Negative	0.7	< LOD
321	4/3/23	Paint	100 Building	Exterior	Door frame	Metal	B	Intact	Blue	Negative	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
322	4/3/23	Paint	100 Building	Exterior	Door	Metal	B	Intact	Blue	Negative	0.7	< LOD
323	4/3/23	Paint	100 Building	Exterior	Downspout	Metal	B	Intact	Red	Positive	0.7	1.5
324	4/3/23	Paint	100 Building	Exterior	Window frame	Metal	B	Intact	Beige	Positive	0.7	3.2
325	4/3/23	Paint	100 Building	Exterior	Bag hanger	Wood	B	Poor	Beige	Negative	0.7	< LOD
326	4/3/23	Paint	100 Building	Exterior	Wall panel	Wood	B	Intact	Red	Negative	0.7	< LOD
327	4/3/23	Paint	100 Building	Exterior	Wall	Ceramic tile	B	Intact	Blue	Negative	0.7	< LOD
328	4/3/23	Paint	100 Building	Exterior	Wall	Ceramic tile	B	Intact	Gray	Negative	0.7	< LOD
329	4/3/23	Paint	100 Building	Exterior	Transom	Wood	B	Intact	Beige	Negative	0.7	< LOD
330	4/3/23	Paint			Calibrate					Positive	0.7	0.9
331	4/3/23	Paint			Calibrate					Positive	0.7	0.9
332	4/3/23	Paint			Calibrate					Positive	0.7	1
333	4/4/23	Paint			Shutter calibrate							0.7
334	4/4/23	Paint			Calibrate					Positive	0.7	1.1
335	4/4/23	Paint			Calibrate					Positive	0.7	1
336	4/4/23	Paint			Calibrate					Positive	0.7	1
337	4/4/23	Paint	100 Building	Exterior	Overhang	Wood	B	Peeling	Beige	Negative	0.7	0.4
338	4/4/23	Paint	100 Building	Exterior	Overhang	Wood	B	Peeling	Beige	Negative	0.7	< LOD
339	4/4/23	Paint	100 Building	Exterior	Overhang	Wood	B	Peeling	Beige	Negative	0.7	< LOD
340	4/4/23	Paint	100 Building	Exterior	Downspout	Metal	B	Cracked	Beige	Negative	0.7	< LOD
341	4/4/23	Paint	100 Building	Exterior	Overhang beam	Wood	B	Intact	Beige	Negative	0.7	< LOD
342	4/4/23	Paint	100 Building	Exterior	Window header	Wood	B	Intact	Beige	Negative	0.7	< LOD
343	4/4/23	Paint	100 Building	Exterior	Fascia beam	Wood	B	Peeling	Beige	Negative	0.7	< LOD
344	4/4/23	Paint	100 Building	Exterior	Fascia	Wood	B	Peeling	Green	Negative	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
345	4/4/23	Paint	100 Building	Exterior	Gutter	Metal	B	Peeling	Green	Negative	0.7	< LOD
346	4/4/23	Paint	100 Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	< LOD
347	4/4/23	Paint	100 Building	Exterior	Wall	Brick	D	Intact	Red	Negative	0.7	< LOD
348	4/4/23	Paint	100 Building	Exterior	Pipe	Metal	D	Intact	Red	Negative	0.7	< LOD
349	4/4/23	Paint	100 Building	Exterior	Wall hydrant	Metal	D	Intact	Red	Positive	0.7	16
350	4/4/23	Paint	100 Building	Exterior	Conduit	Metal	D	Intact	Beige	Negative	0.7	< LOD
351	4/4/23	Paint	100 Building	Exterior	Drip edge	Metal	D	Peeling	Green	Negative	0.7	< LOD
352	4/4/23	Paint	100 Building	Exterior	Roof pipe jack flashing	Metal	Roof	Intact	Gray	Positive	0.7	64
353	4/4/23	Paint	100 Building	Exterior	HVAC unit	Metal	Roof	Intact	Green	Negative	0.7	< LOD
354	4/4/23	Paint	100 Building	Exterior	HVAC unit	Metal	Roof	Intact	Beige	Negative	0.7	< LOD
355	4/4/23	Paint	100 Building	Exterior	Electrical box	Metal	Roof	Chalking	Gray	Negative	0.7	< LOD
356	4/4/23	Paint	Administration Building	Exterior	Roof pipe jack flashing	Metal	Roof	Intact	Gray	Positive	0.7	81.2
357	4/4/23	Paint	200 Building	Exterior	Wall	Brick	A	Intact	Red	Negative	0.7	< LOD
358	4/4/23	Paint	200 Building	Exterior	Wall	Brick	B	Intact	Red	Negative	0.7	< LOD
359	4/4/23	Paint	200 Building	Exterior	Wall signage	Brick	B	Intact	Black	Negative	0.7	< LOD
360	4/4/23	Paint	200 Building	Exterior	Door frame trim	Wood	B	Intact	Beige	Negative	0.7	< LOD
361	4/4/23	Paint	200 Building	Exterior	Door frame	Metal	B	Intact	Blue	Negative	0.7	< LOD
362	4/4/23	Paint	200 Building	Exterior	Door	Metal	B	Intact	Blue	Negative	0.7	< LOD
363	4/4/23	Paint	200 Building	Exterior	Window frame	Metal	B	Intact	Beige	Negative	0.7	< LOD
364	4/4/23	Paint	200 Building	Exterior	Window frame	Metal	B	Intact	Beige	Negative	0.7	< LOD
365	4/4/23	Paint	200 Building	Exterior	Backpack rack	Wood	B	Intact	Beige	Negative	0.7	< LOD
366	4/4/23	Paint	200 Building	Exterior	Downspout	Metal	B	Intact	Red	Negative	0.7	0.25
367	4/4/23	Paint	200 Building	Exterior	Wall panel	Wood	B	Intact	Red	Negative	0.7	< LOD
368	4/4/23	Paint	200 Building	Exterior	Wall hydrant	Metal	B	Intact	Red	Positive	0.7	12
369	4/4/23	Paint	200 Building	Exterior	Pipe	Metal	B	Intact	Red	Negative	0.7	0.07
370	4/4/23	Paint	200 Building	Exterior	Conduit	Metal	B	Intact	Beige	Negative	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
371	4/4/23	Paint	200 Building	Exterior	Transom	Wood	B	Intact	Beige	Negative	0.7	< LOD
372	4/4/23	Paint	200 Building	Exterior	Window header	Wood	B	Peeling	Beige	Negative	0.7	< LOD
373	4/4/23	Paint	200 Building	Exterior	Overhang	Wood	B	Peeling	Beige	Negative	0.7	< LOD
374	4/4/23	Paint	200 Building	Exterior	Overhang beam	Wood	B	Peeling	Beige	Negative	0.7	< LOD
375	4/4/23	Paint	200 Building	Exterior	Overhang beam	Wood	B	Peeling	Beige	Negative	0.7	0.4
376	4/4/23	Paint	200 Building	Exterior	Overhang cross members	Wood	B	Peeling	Beige	Negative	0.7	0.25
377	4/4/23	Paint	200 Building	Exterior	Fascia beam	Wood	B	Intact	Beige	Negative	0.7	0.3
378	4/4/23	Paint	200 Building	Exterior	Fascia	Wood	B	Peeling	Green	Negative	0.7	< LOD
379	4/4/23	Paint	200 Building	Exterior	Gutter	Metal	B	Peeling	Green	Negative	0.7	< LOD
380	4/4/23	Paint	200 Building	Exterior	Window casing	Wood	B	Intact	Beige	Positive	0.7	0.9
381	4/4/23	Paint	200 Building	Exterior	Wall	Brick	B	Intact	Red	Negative	0.7	< LOD
382	4/4/23	Paint	200 Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	< LOD
383	4/4/23	Paint	200 Building	Exterior	Hand rail	Metal	D	Peeling	Blue	Negative	0.7	< LOD
384	4/4/23	Paint	200 Building	Exterior	Electrical box	Metal	D	Intact	Beige	Negative	0.7	< LOD
385	4/4/23	Paint	200 Building	Exterior	Drip edge	Metal	D	Intact	Green	Negative	0.7	< LOD
386	4/4/23	Paint	200 Building	Exterior	Roof pipe jack flashing	Metal	Roof	Intact	Gray	Negative	0.7	< LOD
387	4/4/23	Paint	200 Building	Exterior	Roof pipe jack flashing	Metal	Roof	Intact	Gray	Positive	0.7	48.7
388	4/4/23	Paint	200 Building	Exterior	HVAC unit	Metal	Roof	Intact	Green	Negative	0.7	< LOD
389	4/4/23	Paint	200 Building	Exterior	HVAC unit	Metal	Roof	Chalking	Beige	Negative	0.7	< LOD
390	4/4/23	Paint	200 Building	Exterior	Fascia	Metal	Roof	Chalking	Gray	Negative	0.7	< LOD
391	4/4/23	Paint	200 Building	Exterior	Mural	Brick	A	Intact	Red	Negative	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
392	4/4/23	Paint	200 Building	Exterior	Mural	Brick	A	Intact	Orange	Negative	0.7	< LOD
393	4/4/23	Paint	200 Building	Exterior	Mural	Brick	A	Intact	Yellow	Negative	0.7	< LOD
394	4/4/23	Paint	200 Building	Exterior	Mural	Brick	A	Intact	Green	Negative	0.7	< LOD
395	4/4/23	Paint	200 Building	Exterior	Mural	Brick	A	Intact	Blue	Negative	0.7	< LOD
396	4/4/23	Paint	200 Building	Exterior	Mural	Brick	A	Intact	Black	Negative	0.7	< LOD
397	4/4/23	Paint	200 Building	Exterior	Mural	Brick	A	Intact	White	Negative	0.7	< LOD
398	4/4/23	Paint	200 Building	Exterior	Wall	Brick	A	Intact	Purple	Negative	0.7	< LOD
399	4/4/23	Paint	300 Building	Exterior	Wall	Brick	B	Intact	Red	Negative	0.7	< LOD
400	4/4/23	Paint	300 Building	Exterior	Door frame trim	Wood	B	Intact	Beige	Negative	0.7	< LOD
401	4/4/23	Paint	300 Building	Exterior	Door frame	Metal	B	Intact	Blue	Negative	0.7	< LOD
402	4/4/23	Paint	300 Building	Exterior	Door	Metal	B	Intact	Blue	Negative	0.7	< LOD
403	4/4/23	Paint	300 Building	Exterior	Window frame	Metal	B	Intact	Beige	Negative	0.7	< LOD
404	4/4/23	Paint	300 Building	Exterior	Window casing	Metal	B	Intact	Beige	Positive	0.7	0.9
405	4/4/23	Paint			Calibrate					Positive	0.7	1.1
406	4/4/23	Paint			Calibrate					Positive	0.7	0.9
407	4/4/23	Paint			Calibrate					Positive	0.7	1
408	4/5/23	Paint			Shutter calibrate							0.63
409	4/5/23	Paint			Calibrate					Positive	0.7	0.9
410	4/5/23	Paint			Calibrate					Positive	0.7	1
411	4/5/23	Paint			Calibrate					Positive	0.7	1
412	4/5/23	Paint	300 Building	Exterior	Vent	Metal	B	Intact	Red	Negative	0.7	< LOD
413	4/5/23	Paint	300 Building	Exterior	Countertop	Metal	B	Intact	Beige	Negative	0.7	< LOD
414	4/5/23	Paint	300 Building	Exterior	Overhang	Wood	B	Peeling	Beige	Negative	0.7	< LOD
415	4/5/23	Paint	300 Building	Exterior	Overhang beam	Wood	B	Peeling	Beige	Negative	0.7	0.4

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
416	4/5/23	Paint	300 Building	Exterior	Overhang cross members	Wood	B	Peeling	Beige	Negative	0.7	0.25
417	4/5/23	Paint	300 Building	Exterior	Window header	Wood	B	Peeling	Beige	Negative	0.7	< LOD
418	4/5/23	Paint	300 Building	Exterior	Fascia beam	Wood	B	Peeling	Beige	Negative	0.7	0.4
419	4/5/23	Paint	300 Building	Exterior	Fascia	Wood	B	Peeling	Green	Negative	0.7	< LOD
420	4/5/23	Paint	300 Building	Exterior	Backpack rack	Wood	B	Intact	Off white	Negative	0.7	< LOD
421	4/5/23	Paint	300 Building	Exterior	Gutter	Metal	B	Peeling	Green	Negative	0.7	< LOD
422	4/5/23	Paint	300 Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	< LOD
423	4/5/23	Paint	300 Building	Exterior	Wall	Stucco	C	Intact	Red	Negative	0.7	< LOD
424	4/5/23	Paint	300 Building	Exterior	Electrical box	Metal	C	Chalking	Gray	Negative	0.7	< LOD
425	4/5/23	Paint	300 Building	Exterior	Electrical box	Metal	C	Intact	Red	Negative	0.7	< LOD
426	4/5/23	Paint	300 Building	Exterior	Wall	Brick	D	Intact	Red	Negative	0.7	< LOD
427	4/5/23	Paint	300 Building	Exterior	Pipe	Metal	D	Intact	Gray	Negative	0.7	< LOD
428	4/5/23	Paint	300 Building	Exterior	Drip edge	Metal	D	Peeling	Green	Negative	0.7	< LOD
429	4/5/23	Paint	300 Building	Exterior	Vent	Metal	D	Intact	Red	Negative	0.7	< LOD
430	4/5/23	Paint	400 Building	Exterior	Wall	Brick	A	Intact	Red	Negative	0.7	< LOD
431	4/5/23	Paint	400 Building	Exterior	Wall	Metal	B	Intact	Red	Negative	0.7	< LOD
432	4/5/23	Paint	400 Building	Exterior	Door frame trim	Wood	B	Intact	Beige	Negative	0.7	< LOD
433	4/5/23	Paint	400 Building	Exterior	Door frame	Metal	B	Intact	Blue	Negative	0.7	< LOD
434	4/5/23	Paint	400 Building	Exterior	Door	Metal	B	Intact	Blue	Negative	0.7	< LOD
435	4/5/23	Paint	400 Building	Exterior	Transom	Wood	B	Intact	Beige	Negative	0.7	< LOD
436	4/5/23	Paint	400 Building	Exterior	Overhang	Wood	B	Peeling	Beige	Negative	0.7	0.3
437	4/5/23	Paint	400 Building	Exterior	Overhang beam	Wood	B	Peeling	Beige	Negative	0.7	0.4

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
438	4/5/23	Paint	400 Building	Exterior	Overhang cross members	Wood	C	Peeling	Beige	Negative	0.7	< LOD
439	4/5/23	Paint	400 Building	Exterior	Window header	Wood	B	Intact	Beige	Positive	0.7	1.3
440	4/5/23	Paint	400 Building	Exterior	Window frame	Metal	B	Intact	Beige	Positive	0.7	2.1
441	4/5/23	Paint	400 Building	Exterior	Window casing	Metal	B	Intact	Beige	Positive	0.7	8
442	4/5/23	Paint	400 Building	Exterior	Downspout	Metal	B	Peeling	Red	Positive	0.7	1.8
443	4/5/23	Paint	400 Building	Exterior	Backpack rack	Wood	B	Intact	Beige	Negative	0.7	< LOD
444	4/5/23	Paint	400 Building	Exterior	Pipe	Metal	B	Peeling	Red	Negative	0.7	< LOD
445	4/5/23	Paint	400 Building	Exterior	Wall	Stucco	B	Intact	Red	Negative	0.7	< LOD
446	4/5/23	Paint	400 Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	< LOD
447	4/5/23	Paint	400 Building	Exterior	Wall	Brick	D	Intact	Red	Negative	0.7	< LOD
448	4/5/23	Paint	400 Building	Exterior	Vent	Metal	D	Intact	Red	Negative	0.7	< LOD
449	4/5/23	Paint	400 Building	Exterior	Vent	Metal	D	Intact	Red	Negative	0.7	< LOD
450	4/5/23	Paint	400 Building	Exterior	Fascia	Wood	Lower	Intact	Green	Negative	0.7	0.4
451	4/5/23	Paint	400 Building	Exterior	Drip edge	Metal	D	Intact	Green	Negative	0.7	< LOD
452	4/5/23	Paint	400 Building	Exterior	Conduit	Metal	D	Intact	Red	Negative	0.7	< LOD
453	4/5/23	Paint	400 Building	Exterior	Gutter	Metal	B	Peeling	Green	Negative	0.7	< LOD
454	4/5/23	Paint	400 Building	Exterior	Wall signage	Brick	B	Intact	Black	Negative	0.7	< LOD
455	4/5/23	Paint	400 Building	Exterior	Ribbed conduit	Metal	B	Intact	Red	Positive	0.7	1.3
456	4/5/23	Paint	500 Building	Exterior	Wall	Brick	A	Intact	Red	Negative	0.7	< LOD
457	4/5/23	Paint	500 Building	Exterior	Wall	Brick	B	Intact	Red	Negative	0.7	< LOD
458	4/5/23	Paint	500 Building	Exterior	Wall signage	Brick	B	Intact	Black	Negative	0.7	< LOD
459	4/5/23	Paint	500 Building	Exterior	Door frame trim	Wood	B	Intact	Beige	Negative	0.7	< LOD

Little Lake City School District
Cresson Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
460	4/5/23	Paint	500 Building	Exterior	Door frame	Metal	B	Intact	Blue	Negative	0.7	< LOD
461	4/5/23	Paint	500 Building	Exterior	Door	Metal	B	Intact	Blue	Negative	0.7	< LOD
462	4/5/23	Paint	500 Building	Exterior	Backpack rack	Wood	B	Peeling	Beige	Negative	0.7	< LOD
463	4/5/23	Paint	500 Building	Exterior	Window frame	Metal	B	Intact	Beige	Positive	0.7	2.7
464	4/5/23	Paint	500 Building	Exterior	Window casing	Metal	B	Intact	Beige	Positive	0.7	2.1
465	4/5/23	Paint	500 Building	Exterior	Transom	Wood	B	Intact	Beige	Positive	0.7	1
466	4/5/23	Paint	500 Building	Exterior	Window header	Wood	B	Intact	Beige	Positive	0.7	1
467	4/5/23	Paint	500 Building	Exterior	Overhang	Wood	B	Peeling	Beige	Negative	0.7	0.4
468	4/5/23	Paint	500 Building	Exterior	Overhang beam	Wood	B	Peeling	Beige	Negative	0.7	< LOD
469	4/5/23	Paint	500 Building	Exterior	Overhang cross members	Wood	B	Peeling	Beige	Negative	0.7	< LOD
470	4/5/23	Paint	500 Building	Exterior	Fascia beam	Wood	B	Peeling	Beige	Negative	0.7	0.5
471	4/5/23	Paint	500 Building	Exterior	Fascia beam	Wood	B	Peeling	Beige	Negative	0.7	< LOD
472	4/5/23	Paint	500 Building	Exterior	Fascia	Wood	B	Peeling	Green	Negative	0.7	< LOD
473	4/5/23	Paint	500 Building	Exterior	Gutter	Metal	B	Peeling	Green	Negative	0.7	< LOD
474	4/5/23	Paint	500 Building	Exterior	Wall panel	Wood	B	Intact	Red	Negative	0.7	< LOD
475	4/5/23	Paint	500 Building	Exterior	Window frame	Metal	B	Intact	Beige	Positive	0.7	2.3
476	4/5/23	Paint	500 Building	Exterior	Backpack rack	Wood	B	Intact	Beige	Negative	0.7	< LOD
477	4/5/23	Paint	500 Building	Exterior	Downspout	Metal	B	Intact	Red	Negative	0.7	0.4
478	4/5/23	Paint	500 Building	Exterior	Conduit	Metal	B	Intact	Red	Negative	0.7	< LOD
479	4/5/23	Paint	500 Building	Exterior	Ribbed conduit	Metal	B	Intact	Red	Positive	0.7	2
480	4/5/23	Paint	500 Building	Exterior	Downspout	Metal	B	Intact	Beige	Negative	0.7	< LOD

Little Lake City School District
Cresson Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
481	4/5/23	Paint	500 Building	Exterior	Electrical box	Metal	B	Intact	Gray	Negative	0.7	< LOD
482	4/5/23	Paint	500 Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	< LOD
483	4/5/23	Paint	500 Building	Exterior	Pipe	Metal	C	Intact	Red	Negative	0.7	< LOD
484	4/5/23	Paint	500 Building	Exterior	Vent	Metal	C	Peeling	Red	Negative	0.7	< LOD
485	4/5/23	Paint	500 Building	Exterior	Wall	Brick	D	Intact	Red	Negative	0.7	< LOD
486	4/5/23	Paint	500 Building	Exterior	Drip edge	Metal	D	Peeling	Green	Negative	0.7	< LOD
487	4/5/23	Paint	300 Building	Exterior	Roof pipe jack flashing	Metal	Roof	Intact	Gray	Negative	0.7	< LOD
488	4/5/23	Paint	300 Building	Exterior	HVAC unit	Metal	Roof	Chalking	Green	Negative	0.7	< LOD
489	4/5/23	Paint	300 Building	Exterior	Electrical box	Metal	Roof	Chalking	Gray	Negative	0.7	< LOD
490	4/5/23	Paint	300 Building	Exterior	HVAC unit	Metal	Roof	Chalking	Beige	Negative	0.7	< LOD
491	4/5/23	Paint	300 Building	Exterior	Roof pipe jack flashing	Metal	Roof	Intact	Gray	Positive	0.7	30.5
492	4/5/23	Paint	400 Building	Exterior	Roof pipe jack flashing	Metal	Roof	Intact	Gray	Positive	0.7	35
493	4/5/23	Paint	400 Building	Exterior	HVAC unit	Metal	Roof	Chalking	Green	Negative	0.7	< LOD
494	4/5/23	Paint	400 Building	Exterior	HVAC unit	Metal	Roof	Chalking	Beige	Negative	0.7	< LOD
495	4/5/23	Paint	400 Building	Exterior	Electrical box	Metal	Roof	Chalking	Gray	Negative	0.7	< LOD
496	4/5/23	Paint	500 Building	Exterior	Roof pipe jack flashing	Metal	Roof	Intact	Gray	Positive	0.7	81
497	4/5/23	Paint	500 Building	Exterior	HVAC unit	Metal	Roof	Chalking	Green	Negative	0.7	< LOD
498	4/5/23	Paint	500 Building	Exterior	HVAC unit	Metal	Roof	Chalking	Beige	Negative	0.7	< LOD
499	4/5/23	Paint	500 Building	Exterior	Electrical box	Metal	Roof	Chalking	Gray	Negative	0.7	< LOD
500	4/5/23	Paint	Covered Walkway 1	Exterior	Pole	Metal		Intact	Green	Negative	0.7	< LOD
501	4/5/23	Paint	Covered Walkway 1	Exterior	Ceiling beam	Metal		Intact		Negative	0.7	< LOD
502	4/5/23	Paint	Covered Walkway 1	Exterior	Ceiling	Metal		Poor	Beige	Positive	0.7	1.3

Little Lake City School District
Cresson Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
503	4/5/23	Paint	Covered Walkway 1	Exterior	Flashing	Metal	C	Intact	Beige	Negative	0.7	< LOD
504	4/5/23	Paint	Covered Walkway 1	Exterior	Roof	Metal		Cracked	Gray	Negative	0.7	< LOD
505	4/5/23	Paint	Covered Walkway 1	Exterior	Roof	Metal		Cracked	Gray	Negative	0.7	< LOD
506	4/5/23	Paint	Covered Walkway 2	Exterior	Pole	Metal		Intact	Green	Negative	0.7	< LOD
507	4/5/23	Paint	Covered Walkway 2	Exterior	Pole	Metal		Intact	Green	Negative	0.7	< LOD
508	4/5/23	Paint	Covered Walkway 2	Exterior	Ceiling beam	Metal		Intact	Beige	Negative	0.7	< LOD
509	4/5/23	Paint	Covered Walkway 2	Exterior	Conduit	Metal		Intact	Beige	Negative	0.7	< LOD
510	4/5/23	Paint	Covered Walkway 2	Exterior	Ceiling	Metal		Peeling	Beige	Negative	0.7	< LOD
511	4/5/23	Paint	Covered Walkway 2	Exterior	Ceiling	Metal		Peeling	Beige	Negative	0.7	< LOD
512	4/5/23	Paint	Covered Walkway 2	Exterior	Ceiling	Metal		Peeling	Beige	Negative	0.7	< LOD
513	4/5/23	Paint	Covered Walkway 2	Exterior	Gutter	Metal		Intact	Beige	Negative	0.7	< LOD
514	4/5/23	Paint	Covered Walkway 1	Exterior	Conduit	Metal		Intact	Beige	Negative	0.7	< LOD
515	4/5/23	Paint	100 Building	Exterior	Overhang beam	Wood	B	Cracked	Beige	Negative	0.7	< LOD
516	4/5/23	Paint	100 Building	Exterior	Overhang Cross Members	Wood	B	Peeling	Beige	Negative	0.7	< LOD

Little Lake City School District
Cresson Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
517	4/5/23	Paint	100 Building	Exterior	Fascia beam	Wood	B	Intact	Beige	Negative	0.7	< LOD
518	4/5/23	Paint	100 Building	Exterior	Window header	Wood	B	Cracked	Beige	Negative	0.7	< LOD
519	4/5/23	Paint	100 Building	Exterior	Window casing	Metal	B	Intact	Beige	Positive	0.7	2.5
520	4/5/23	Paint	Administration Building	Exterior	Vent	Metal	C	Intact	Red	Negative	0.7	< LOD
521	4/5/23	Paint	MPR Building	Rooftop 2	Fascia	Wood	A	Intact	Green	Negative	0.7	0.4
522	4/5/23	Paint	MPR Building	Rooftop 1	Fascia		B	Peeling	Green	Negative	0.7	< LOD
523	4/5/23	Paint			Calibrate					Positive	0.7	0.9
524	4/5/23	Paint			Calibrate					Positive	0.7	0.9
525	4/5/23	Paint			Calibrate					Positive	0.7	0.9
526	4/5/23	Paint			Shutter calibrate							0.68
527	4/5/23	Paint			Calibrate					Positive	0.7	1.1
528	4/5/23	Paint			Calibrate					Positive	0.7	1
529	4/5/23	Paint			Calibrate					Positive	0.7	1
530	4/5/23	Paint	Covered Walkway 2	Exterior	Flashing	Metal	D	Intact	Beige	Negative	0.7	< LOD
531	4/5/23	Paint	Covered Walkway 2	Exterior	Roof	Metal		Cracked	Gray	Negative	0.7	< LOD
532	4/5/23	Paint			Calibrate					Positive	0.7	1
533	4/5/23	Paint			Calibrate					Positive	0.7	1
534	4/5/23	Paint			Calibrate					Positive	0.7	1

APPENDIX C – LEAD HAZARD EVALUATION REPORT

APPENDIX D –XRF PERFORMANCE CHARACTERISTICS SHEET

Performance Characteristic Sheet

EFFECTIVE DATE: September 24, 2004

EDITION NO.: 1

MANUFACTURER AND MODEL:

Make: *Niton LLC*
 Tested Model: *XLP 300*
 Source: ¹⁰⁹Cd
 Note: This PCS is also applicable to the equivalent model variations indicated below, for the Lead-in-Paint K+L variable reading time mode, in the XLI and XLP series:

XLI 300A, XLI 301A, XLI 302A, and XLI 303A.
 XLP 300A, XLP 301A, XLP 302A, and XLP 303A
 XLI 700A, XLI 701A, XLI 702A, and XLI 703A
 XLP 700A, XLP 701A, XLP 702A, and XLP 703A

Note: The XLI and XLP versions refer to the shape of the handle part of the instrument. The differences in the model numbers reflect other modes available, in addition to Lead-in-Paint modes. The manufacturer states that specifications for these instruments are identical for the source, detector, and detector electronics relative to the Lead-in-Paint mode.

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Lead-in-Paint K+L variable reading time mode.

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm² (inclusive)

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm² in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm² film).

If readings are outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instruments into control before XRF testing proceeds.

SUBSTRATE CORRECTION:

For XRF results using Lead-in-Paint K+L variable reading time mode, substrate correction is not needed for:

Brick, Concrete, Drywall, Metal, Plaster, and Wood

INCONCLUSIVE RANGE OR THRESHOLD:

K & L MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm ²)
Results not corrected for substrate bias on any substrate	Brick	1.0
	Concrete	1.0
	Drywall	1.0
	Metal	1.0
	Plaster	1.0
	Wood	1.0

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated from the EPA/HUD evaluation using archived building components. Testing was conducted in August 2004 on 133 testing combinations. The instruments that were used to perform the testing had new sources; one instrument's was installed in November 2003 with 40 mCi initial strength, and the other's was installed June 2004 with 40 mCi initial strength.

OPERATING PARAMETERS:

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Substrate correction is not needed for brick, concrete, drywall, metal, plaster or wood when using Lead-in-Paint K+L variable reading time mode, the normal operating mode for these instruments. If substrate correction is desired, refer to Chapter 7 of the HUD Guidelines for guidance on correcting XRF results for substrate bias.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing. Use the K+L variable time mode readings.

Conduct XRF retesting at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below.

Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family housing a result is defined as the average of three readings. In multifamily housing, a result is a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF results.

Compute the average of all ten re-test XRF results.

Find absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to greater than the Retest Tolerance Limit a second time, then the inspection should be consider deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

For the Lead-in-Paint K+L variable reading time made, the instrument continues to re3ad until it is moved away from the testing surface, terminated by the user, or the instrument software indicates the reading is complete. The following table provides testing time information for this testing mode. The times have been adjusted for source decay, normalized to the initial source strengths as noted above. Source strength and type of substrate will affect actual testing times. At the time of testing, the instrument had source strengths of 26.6 and 36.6 mCi.

Testing Times Using K+L Reading Mode (Seconds)						
	All Data			Median for laboratory-measured lead levels (mg/cm ²)		
Substrate	25 th Percentile	Median	75 th Percentile	Pb<0.25	0.25≤Pb<1.0	1.0≤Pb
Wood Drywall	4	11	19	11	15	11
Metal	4	12	18	9	12	14
Brick Concrete Plaster	8	16	22	15	18	16

CLASSIFICATION RESULTS:

XRF results are classified as positive if they are greater than or equal to the threshold and negative if they are less than the threshold.

DOCUMENTATION:

A document titled *Methodology for XRF Performance Characteristic Sheets* provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges of thresholds for specific XRF instruments. For a copy of this document call the National lead Information Center Clearinghouse at 1-800-424-LEAD.

This XRF Performance Characteristic Sheet was developed by the Midwest Research Institute (MRI) and QuanTech, Inc., under a contract between MRI and the XRF manufacturer. HUD has determined that the information provided here is acceptable when used as guidance in conjunction with Chapter 7, Lead-Based Paint Inspection, of HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*.



Industrial Hygiene • Air Quality • Lead & Asbestos • Training • Health & Safety

LIMITED ASBESTOS INSPECTION REPORT

Conducted at:

CRESSON ELEMENTARY SCHOOL
EXTERIOR PAINTING AND MINOR REPAIR PROJECT
11650 CRESSON STREET
NORWALK, CALIFORNIA 90650

Prepared for:

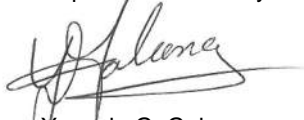
MR. BRENT GRIFFEN
DIRECTOR OF MAINTENANCE AND OPERATIONS AND CUSTODIAL SERVICES
LITTLE LAKE CITY SCHOOL DISTRICT
10515 SOUTH PIONEER BOULEVARD
SANTA FE SPRINGS, CALIFORNIA 90670

Prepared by:

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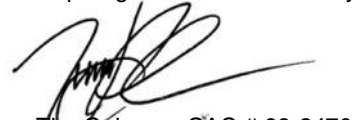
Project Number EE 23-Z0187-0060
April 18, 2023

Report assembled by:



Yesenia G. Galeana
Technical Report Writer
Executive Environmental

Report generated/reviewed by:



Tim Galeana, CAC # 98-2470
Senior Project Manager
Executive Environmental

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APPENDICES

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APPENDIX B – SITE DRAWING

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LIMITED ASBESTOS INSPECTION REPORT

Project Number: EE 23-Z0187-0060

Client: Little Lake City School District
10515 South Pioneer Boulevard
Santa Fe Springs, California 90670

Site Location: Cresson Elementary School
Exterior Painting and Minor Repair Project
11650 Cresson Street
Norwalk, California 90650

Site Use: School Property

Contact Person: Mr. Brent Griffen
Director of M&O and Custodial Services
Phone: (562) 868-8241

Inspection Date Between: March 27 thru 29, 2023

Inspected By: Mr. Matthew Barna
Certified Site Surveillance Technician, # 19-6738

Report Assembled By: Ms. Yesenia G. Galeana
Technical Report Writer

Report Generated/Reviewed By: Mr. Tim Galeana
Certified Asbestos Consultant, # 98-2470

I. EXECUTIVE SUMMARY

Executive Environmental (EE) provided the services of a Certified Site Surveillance Technician (Mr. Matthew Barna # 19-6738), to conduct a limited asbestos inspection of the permanent buildings, portables and covered walkway at Cresson Elementary School, located at 11650 Cresson Street, Norwalk, California 90650. The inspection was conducted as a precursor to the upcoming exterior Painting and Minor Repair Project. Asbestos-Containing Materials (ACM's) were identified during this inspection. *This is considered a limited inspection. The inspection was limited to materials anticipated to be impacted by the Exterior Painting and Minor Repair Project, as directed by the client.*

II. SAMPLING METHODOLOGY

A visual inspection of the permanent buildings, portables and covered walkways was conducted prior to the collection of any bulk samples. The visual inspection was conducted to identify and record the location and condition of the materials to be sampled. Following the visual inspection, bulk material samples of the identified suspect asbestos-containing building materials were collected. The materials were categorized

into homogeneous groupings, and each sample was assigned a unique sample number and placed into a sealed container.

Upon completion of the bulk sample collection, a chain of custody was prepared and the samples were delivered to the laboratory for analysis. AmeriSci of Carson, CA, analyzed the samples using Polarized Light Microscopy (PLM). AmeriSci is an accredited participant in the National Voluntary Laboratory Accreditation Program (NVLAP), No. 200346-0. The principles described in the current Environmental Protection Agency (EPA) 600 method were used in the preparation and analysis of the bulk samples.

III. SAMPLE ANALYSIS

Two hundred and twenty-three (223) suspect asbestos-containing material samples were collected during this inspection. The laboratory analysis results are listed in the following table. Materials determined not to contain asbestos are listed as "No Asbestos Detected" (NAD).

Any material found to contain more than 1% of a known asbestos substance is considered an asbestos-containing material (ACM). Materials falling within this category are controlled and must be handled in accordance with the California Occupational Safety & Health Administration (Cal/OSHA), EPA, and South Coast Air Quality Management District (SCAQMD) regulations.

In addition, materials which are characterized as non-ACM by EPA or other local regulatory agencies may fall within the regulatory standards of Cal/OSHA, which further regulates any materials found to contain more than 1/10 of 1%, but 1% or less, of a known asbestos substance as asbestos-containing construction materials (ACCMs). Impacting or handling ACCMs requires special employer registration, documentation, training, and personal protective equipment. When a material is to be impacted, the National Emission Standards for Hazardous Air Pollutants (NESHAPs) regulations require further testing for materials that fall within this category.

The PLM analytical protocol requires each layer of the sample to be analyzed separately. The quantity of analyses will vary based on the number of layers in a sample and whether a "positive stop" is employed. When one sample of a homogeneous area is positive, the remainder of the samples need not be analyzed, because the entire homogeneous area must be considered positive.

**Sampling results begin on the next page.
The remainder of this page is blank.**

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
11650 Cresson Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^A	Type ^B	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Administration Building										
1	Roofing material (core sample)	Throughout rooftop	2,900 Square Feet	G	Misc.	No	0	2303270060MB-01	Northwest	NAD ^C
								2303270060MB-02	Center	NAD
								2303270060MB-03	Southeast	NAD
2	Roofing patch (core sample)	Throughout rooftop edges, some penetrations and vents	600 Square Feet	G	Misc.	No	0	2303270060MB-04	Northwest edge	NAD
								2303270060MB-05	Center patch	NAD
								2303270060MB-06	Southeast vent	NAD
3	Roof mastic	Throughout rooftop at roof jacks, flashing, vents, penetrations, conduit pads, seams and patched areas	60 Square Feet	G	Misc.	No	0	2303270060MB-07	Northwest conduit pad	NAD
								2303270060MB-08	Center roof jack	NAD
								2303270060MB-09	Southeast vent	NAD
4	Conduit pads	Throughout rooftop under conduit	20 Square Feet	G	Misc.	No	0	2303270060MB-10	Northwest	NAD
								2303270060MB-11	Southwest	NAD
								2303270060MB-12	Center	NAD

Note: This table must be used in conjunction with the entire report. This document is not to be used for contract bidding and is intended to be used to identify asbestos-containing materials and their locations only.

Sampling results continue on the next page.

^A G = Good; D = Damaged; SD = Severely Damaged

^B Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation

^C NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
11650 Cresson Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^D	Type ^E	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Administration Building										
5	Brick and mortar	Throughout exterior walls	3,000 Square Feet	G	Misc.	No	0	2303280060MB-117	Northeast	Layers 1 & 2: NAD ^F
								2303280060MB-118	Northwest	Layers 1 & 2: NAD
								2303280060MB-119	Southwest	Layers 1 & 2: NAD
6	Window putty	Throughout window and vents	650 Square Feet	G	Misc.	No	<1	2303280060MB-120	Northwest	Layer 1: 2% Chrysotile Layer 2: NAD
								2303280060MB-121	East	2% Chrysotile
								2303280060MB-122	West	2% Chrysotile
7	Caulking	Exterior around doors	15 Square Feet	G	Misc.	No	0	2303280060MB-123	Southwest	Layer 1: NAD Layer 2: 5% Chrysotile
								2303280060MB-124	South	Layer 1: NAD Layer 2: 3% Chrysotile
								2303280060MB-125	Southeast	NAD
8	Stucco	Exterior at drinking fountain	50 Square Feet	G	Misc.	No	0	2303280060MB-126	South	NAD
								2303280060MB-127	South	NAD
								2303280060MB-128	South	NAD

Note: This table must be used in conjunction with the entire report. This document is not to be used for contract bidding and is intended to be used to identify asbestos-containing materials and their locations only.

Sampling results continue on the next page.

^D G = Good; D = Damaged; SD = Severely Damaged
^E Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation
^F NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
11650 Cresson Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^G	Type ^H	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
100 Building										
9	Roofing material (core sample)	Throughout rooftop	3,400 Square Feet	G	Misc.	No	0	2303270060MB-13	Northeast	NAD ^I
								2303270060MB-14	Center	NAD
								2303270060MB-15	Southwest	NAD
10	Roofing patch (core sample)	Throughout rooftop edges, HVAC, jacks, fans and penetrations	900 Square Feet	G	Misc.	No	0	2303270060MB-16	Northeast	NAD
								2303270060MB-17	Center	NAD
								2303270060MB-18	Southwest	NAD
11	Roof mastic	Throughout rooftop at roof jacks, flashing, fans, penetrations, HVAC, jacks, seams and patched areas	80 Square Feet	G	Misc.	No	0	2303270060MB-19	North vent	NAD
								2303270060MB-20	Center jack HVAC	NAD
								2303270060MB-21	Southwest roof jack	NAD

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Sampling results continue on the next page.

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^H Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation

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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
11650 Cresson Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^J	Type ^K	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
100 Building										
12	Brick and mortar	Throughout exterior walls	2,500 Square Feet	G	Misc.	No	0	2303280060MB-129	Northeast	Layers 1 & 2: NAD ^L
								2303280060MB-130	Southeast	Layers 1 & 2: NAD
								2303280060MB-131	West	Layers 1 & 2: NAD
13	Window putty	Throughout windows and vents	600 Square Feet	G	Misc.	No	<1	2303280060MB-132	East	2% Chrysotile
								2303280060MB-133	Southeast	2% Chrysotile
								2303280060MB-134	West	<1% Chrysotile
14	Caulking	Exterior around doors	30 Square Feet	G	Misc.	No	0	2303280060MB-135	Northeast	Layer 1: NAD Layer 2: 2% Chrysotile
								2303280060MB-136	Southeast	Layer 1: NAD Layer 2: 2% Chrysotile
								2303280060MB-137	Southwest	Layer 1: NAD Layer 2: 3% Chrysotile

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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
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Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^M	Type ^N	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
200 Building										
15	Roofing material (core sample)	Throughout rooftop	6,300 Square Feet	G	Misc.	No	0	2303270060MB-22	East	NAD ^o
								2303270060MB-23	North	NAD
								2303270060MB-24	Southwest	NAD
16	Roofing patch (core sample)	Throughout rooftop edges, HVAC, jacks, fans and penetrations	1,100 Square Feet	G	Surf.	No	0	2303270060MB-25	East edge	NAD
								2303270060MB-26	North fan	NAD
								2303270060MB-27	Southwest HVAC	NAD
17	Roof mastic	Throughout rooftop at roof jacks, flashing, fans, penetrations, HVAC, jacks, seams and patched areas	120 Square Feet	G	Misc.	No	0	2303270060MB-28	Southeast flashing	5% Chrysotile
								2303270060MB-29	North fan	5% Chrysotile
								2303270060MB-30	Southwest roof jack	5% Chrysotile

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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
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Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^P	Type ^Q	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
200 Building										
18	Brick and mortar	Throughout exterior walls	3,500 Square Feet	G	Misc.	No	0	2303280060MB-138	Northwest	Layers 1 & 2: NAD ^R
								2303280060MB-139	Southeast	Layers 1 & 2: NAD
								2303280060MB-140	Southwest	Layers 1 & 2: NAD
19	Window putty	Throughout windows and vents	800 Square Feet	G	Misc.	No	0	2303280060MB-141	Northeast	5% Chrysotile
								2303280060MB-142	East	5% Chrysotile
								2303280060MB-143	Southwest	2% Chrysotile
20	Caulking	Exterior around doors	20 Square Feet	G	Misc.	No	0	2303280060MB-144	Northeast	2% Chrysotile
								2303280060MB-145	East	2% Chrysotile
								2303280060MB-146	Southeast	Layer 1: NAD Layer 2: <1% Chrysotile

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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
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Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^s	Type ^T	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
300 Building										
21	Roofing material (core sample)	Throughout rooftop	6,300 Square Feet	G	Misc.	No	0	2303270060MB-31	East	NAD ^U
								2303270060MB-32	Center	NAD
								2303270060MB-33	Southwest	NAD
22	Roofing patch (core sample)	Throughout rooftop edges, HVAC, jacks, fans and penetrations	1,100 Square Feet	G	Surf.	No	0	2303270060MB-34	East edge	NAD
								2303270060MB-35	Center fan	NAD
								2303270060MB-36	West HVAC	NAD
23	Roof mastic	Throughout rooftop at roof pipe jacks, flashing, fans jacks, penetrations, HVAC jacks, seams and patched areas	120 Square Feet	G	Misc.	No	0	2303270060MB-37	Southeast flashing	5% Chrysotile
								2303270060MB-38	Center HVAC jack	5% Chrysotile
								2303270060MB-39	Southwest fan jack	5% Chrysotile

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^T Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation
^U NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
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Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^v	Type ^w	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
300 Building										
24	Brick and mortar	Throughout exterior walls	3,500 Square Feet	G	Misc.	No	0	2303290060MB-147	Northeast	Layers 1 & 2: NAD ^x
								2303290060MB-148	Southeast	Layers 1 & 2: NAD
								2303290060MB-149	Southwest	Layers 1 & 2: NAD
25	Window putty	Throughout window and vents	800 Square Feet	G	Misc.	No	0	2303290060MB-150	Northeast	NAD
								2303290060MB-151	Southeast	5% Chrysotile
								2303290060MB-152	Southwest	5% Chrysotile
26	Caulking	Exterior around doors	20 Square Feet	G	Misc.	No	0	2303290060MB-153	Northeast	NAD
								2303290060MB-154	Southeast	Layer 1: 5% Chrysotile Layer 2: NAD
								2303290060MB-155	South	NAD
27	Stucco	Exterior at south drinking fountain	50 Square Feet	G	Misc.	No	0	2303290060MB-156	South	Layers 1 & 2: NAD
								2303290060MB-157	South	Layers 1 & 2: NAD
								2303290060MB-158	South	NAD

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^w Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation
^x NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
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Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^Y	Type ^Z	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
400 Building										
28	Roofing material (core sample)	Throughout rooftop	6,300 Square Feet	G	Misc.	No	0	2303270060MB-40	East	NAD ^{AA}
								2303270060MB-41	Center	NAD
								2303270060MB-42	Southwest	NAD
29	Roofing patch (core sample)	Throughout rooftop edges, HVAC roof jacks, fans and penetrations	1,100 Square Feet	G	Surf.	No	0	2303270060MB-43	East edge	NAD
								2303270060MB-44	Center HVAC	NAD
								2303270060MB-45	Southwest fan	NAD
30	Roof mastic	Throughout rooftop at roof pipe jacks, flashing, fans jacks, penetrations, HVAC jacks, seams and patched areas	120 Square Feet	G	Misc.	No	0	2303270060MB-46	Southeast roof pipe jack	5% Chrysotile
								2303270060MB-47	Center HVAC	5% Chrysotile
								2303270060MB-48	Southwest fan	5% Chrysotile

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^Z Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation
^{AA} NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
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Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{BB}	Type ^{CC}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
400 Building										
31	Brick and mortar	Throughout exterior walls	3,500 Square Feet	G	Misc.	No	0	2303290060MB-159	Northeast	Layers 1 & 2: NAD ^{DD}
								2303290060MB-160	East	Layers 1 & 2: NAD
								2303290060MB-161	Southeast	Layers 1 & 2: NAD
32	Window putty	Throughout window and vents	800 Square Feet	G	Misc.	No	0	2303290060MB-162	East	5% Chrysotile
								2303290060MB-163	Southeast	5% Chrysotile
								2303290060MB-164	Southwest	5% Chrysotile
33	Caulking	Exterior around doors	20 Square Feet	G	Misc.	No	0	2303290060MB-165	East	NAD
								2303290060MB-166	Southeast	Layer 1: NAD
								2303290060MB-167	South	Layer 2: 2% Chrysotile
34	Stucco	Exterior at southeast drinking fountain	50 Square Feet	G	Misc.	No	0	2303290060MB-168	Southeast	NAD
								2303290060MB-169	Southeast	NAD
								2303290060MB-170	Southeast	NAD

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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

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Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{EE}	Type ^{FF}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
500 Building										
35	Roofing material (core sample)	Throughout rooftop	6,300 Square Feet	G	Misc.	No	0	2303270060MB-49	East	NAD ^{GG}
								2303270060MB-50	Center	NAD
								2303270060MB-51	Southwest	NAD
36	Roofing patch (core sample)	Throughout rooftop edges, HVAC units, roof jacks and penetrations	1,100 Square Feet	G	Surf.	No	0	2303270060MB-52	East edge	NAD
								2303270060MB-53	Center HVAC	NAD
								2303270060MB-54	Southwest fan	NAD
36	Roof mastic	Throughout rooftop at roof jacks, flashing, fans jacks, penetrations, HVAC units, seams and patched areas	120 Square Feet	G	Misc.	No	0	2303270060MB-55	East pipe jack	NAD
								2303270060MB-56	Center HVAC jack	NAD
								2303270060MB-57	Southwest fan jack	NAD

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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
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Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{HH}	Type ^{II}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
500 Building										
37	Brick and mortar	Throughout exterior walls	3,500 Square Feet	G	Misc.	No	0	2303290060MB-171	Northeast	Layers 1 & 2: NAD ^{JJ}
								2303290060MB-172	Southeast	Layers 1 & 2: NAD
								2303290060MB-173	Southwest	Layers 1 & 2: NAD
38	Window putty	Throughout window and vents	800 Square Feet	G	Misc.	No	0	2303290060MB-174	Northeast	2% Chrysotile
								2303290060MB-175	Southeast	2% Chrysotile
								2303290060MB-176	Southwest	2% Chrysotile
39	Caulking	Exterior around doors	20 Square Feet	G	Misc.	No	0	2303290060MB-177	Northeast	NAD
								2303290060MB-178	Southeast	NAD
								2303290060MB-179	South	Layers 1 & 2: NAD

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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
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Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{KK}	Type ^{LL}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
MPR Building										
40	Roofing material (core sample)	Throughout rooftop no. 1	4,800 Square Feet	G	Misc.	No	0	2303270060MB-58	Northeast	NAD ^{MM}
								2303270060MB-59	Center	NAD
								2303270060MB-60	South	NAD
41	Roofing patch (core sample)	Throughout rooftop no. 1 at edges, chimney, and south roof jacks	800 Square Feet	G	Misc.	No	0	2303280060MB-61	Northeast edge	NAD
								2303280060MB-62	South roof jack	NAD
								2303280060MB-63	Southwest chimney	NAD
42	Roofing patch (core sample)	Throughout rooftop no. 1 north HVAC jacks and jack vents	400 Square Feet	G	Misc.	No	0	2303280060MB-64	Northeast HVAC	NAD
								2303280060MB-65	Northwest HVAC	NAD
								2303280060MB-66	Northwest vents	NAD
43	Roof mastic	Throughout rooftop no. 1 at roof jacks, HVAC units, flashing, penetrations, seams and patched areas	75 Square Feet	G	Misc.	No	0	2303280060MB-67	Northeast seam	5% Chrysotile
								2303280060MB-68	Northwest roof jack	NAD
								2303280060MB-69	South roof jack	5% Chrysotile
44	Caulking	Throughout rooftop no. 1 at south roof jacks	10 Square Feet	G	Misc.	No	0	2303280060MB-70	South	NAD
								2303280060MB-71	South	NAD
								2303280060MB-72	South	NAD

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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
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Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{NN}	Type ^{OO}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
MPR Building										
45	Roofing material (core sample)	Throughout rooftop no. 2	2,500 Square Feet	G	Misc.	No	0	2303280060MB-73	North	NAD ^{PP}
								2303280060MB-74	Southeast	NAD
								2303280060MB-75	Southwest	NAD
46	Roofing patch (core sample)	Throughout rooftop no. 2 at edge and perimeter walls	400 Square Feet	G	Misc.	No	0	2303280060MB-76	North at wall	NAD
								2303280060MB-77	East at edge	NAD
								2303280060MB-78	Southwest at wall	NAD
47	Roofing patch (core sample)	Throughout rooftop no. 2 fan jack, vent, HVAC units and roof pipe jacks	200 Square Feet	G	Misc.	No	0	2303280060MB-79	North fan jack	NAD
								2303280060MB-80	East vent	NAD
								2303280060MB-81	Southwest pipe jack	NAD
48	Roof mastic	Throughout rooftop no. 2 at roof jacks, HVAC units, flashing, penetrations, seams and patched areas	50 Square Feet	G	Misc.	No	0	2303280060MB-82	North wall flashing	5% Chrysotile
								2303280060MB-83	East fan	5% Chrysotile
								2303280060MB-84	West roof pipe jack	5% Chrysotile
49	HVAC duct mastic	Throughout rooftop no. 2 on HVAC ducts	20 Square Feet	G	Misc.	No	0	2303280060MB-85	Southwest	NAD
								2303280060MB-86	Southwest	NAD
								2303280060MB-87	Southwest	NAD

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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
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Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{QQ}	Type ^{RR}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
MPR Building										
50	Brick and mortar	Throughout exterior walls	8,000 Square Feet	G	Misc.	No	0	2303290060MB-180	Northeast	Layers 1 & 2: NAD ^{SS}
								2303290060MB-181	East	Layers 1 & 2: NAD
								2303290060MB-182	South	Layers 1 & 2: NAD
51	Stucco	Throughout exterior walls and overhangs	3,000 Square Feet	G	Surf.	No	0	2303290060MB-183	North	NAD
								2303290060MB-184	East	NAD
								2303290060MB-185	West	NAD
								2303290060MB-186	Northwest	NAD
								2303290060MB-187	Northwest	NAD
52	Caulking	Exterior around doors	50 Square Feet	G	Misc.	No	0	2303290060MB-188	Northeast	NAD
								2303290060MB-189	West	NAD
								2303290060MB-190	Southwest	NAD
53	Window putty	Exterior where brick and stucco meet (transition)	30 Square Feet	G	Misc.	No	0	2303290061MB-191	West	2% Chrysotile
								2303290060MB-192	West	2% Chrysotile
								2303290060MB-193	West	2% Chrysotile

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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

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Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{TT}	Type ^{UU}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Covered Walkway^{VV}										
54	Roofing coating material (on metal roof)	Throughout rooftop of Covered Walkway no. 1	1,300 Square Feet	G	Misc.	No	0	2303280060MB-88	Northeast	20% Chrysotile
								2303280060MB-89	North	20% Chrysotile
								2303280060MB-90	East	20% Chrysotile
								2303280060MB-91	Southwest	25% Chrysotile
								2303280060MB-92	East	25% Chrysotile
55	Roof mastic	Throughout Covered Walkway no. 1 roof deck, patches and conduit pads	30 Square Feet	G	Misc.	No	0	2303280060MB-93	Northeast	5% Chrysotile
								2303280060MB-94	North	5% Chrysotile
								2303280060MB-95	South	5% Chrysotile
56	Conduit pads	Throughout Covered Walkway no. 1	20 Square Feet	G	Misc.	No	0	2303280060MB-96	Northeast	NAD ^{WW}
								2303280060MB-97	North	NAD
								2303280060MB-98	Southeast	2% Chrysotile
57	Texture coating	Throughout rooftop of Covered Walkway no. 1	1,300 Square Feet	G	Misc.	No	0	2303280060MB-99	Northeast	<1% Chrysotile
								2303280060MB-100	North	Layer 1: <1% Chrysotile Layer 2: 25% Chrysotile
								2303280060MB-101	West	10% Chrysotile
								2303280060MB-102	East	10% Chrysotile
								2303280060MB-103	South	Layer 1: <1% Chrysotile Layer 2: 10% Chrysotile

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^{UU} Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation

^{VV} NOTE: 1) Conduit pads on Covered Walkway no. 2 are foam, non-suspect material.

^{WW} NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

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Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{xx}	Type ^{yy}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Covered Walkway										
58	Roofing coating material (on metal roof)	Throughout rooftop of Covered Walkway no. 2	3,000 Square Feet	G	Misc.	No	0	2303280060MB-104	North	75% Chrysotile
								2303280060MB-105	Northwest	25% Chrysotile
								2303280060MB-106	West	50% Chrysotile
								2303280060MB-107	East	25% Chrysotile
								2303280060MB-108	Southeast	25% Chrysotile
59	Roof mastic	Throughout Covered Walkway no. 2 roof deck, patches and under conduit pads	200 Square Feet	G	Misc.	No	0	2303280060MB-109	Northwest	5% Chrysotile
								2303280060MB-110	North	5% Chrysotile
								2303280060MB-111	Southwest	NAD ^{zz}
60	Texture coating	Throughout rooftop of Covered Walkway no. 2 ceilings	1,300 Square Feet	G	Misc.	No	0	2303280060MB-112	North	NAD
								2303280060MB-113	Northwest	NAD
								2303280060MB-114	West	NAD
								2303280060MB-115	East	NAD
								2303280060MB-116	Southeast	NAD

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^{yy} Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation
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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

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Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{AAA}	Type ^{BBB}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Portables										
61	Roof mastic/caulking (on metal roof)	Portable 205: Rooftop at flashing, bolts, HVAC units	30 Square Feet	G	Misc.	No	0	2303290060MB-194	East flashing	NAD ^{CCC}
								2303290060MB-195	Center bolt	NAD
								2303290060MB-196	Center at HVAC	Layers 1 & 2: NAD
62	Roof mastic/caulking (on metal roof)	Portable 206: Rooftop at flashing, bolts, HVAC units	30 Square Feet	G	Misc.	No	0	2303290060MB-197	West flashing	NAD
								2303290060MB-198	Center at HV AC	Layers 1 thru 3: NAD
								2303290060MB-199	East bolt	NAD
63	Roof caulking (on metal roof)	Portable 207: Rooftop at flashing and bolts	20 Square Feet	G	Misc.	No	0	2303290060MB-200	West flashing	Layers 1 & 2: NAD
								2303290060MB-201	Center bolt	NAD
								2303290060MB-202	Southeast bolt	NAD
64	Roof caulking (on metal roof)	Portable 208: Rooftop at flashing and bolts	20 Square Feet	G	Misc.	No	0	2303290060MB-203	Northeast flashing	NAD
								2303290060MB-204	Center bolt	NAD
								2303290060MB-205	Southwest bolt	NAD
65	Roof caulking (on metal roof)	Portable 209: Rooftop at flashing and bolts	20 Square Feet	G	Misc.	No	0	2303290060MB-206	East flashing	NAD
								2303290060MB-207	Northeast bolt	NAD
								2303290060MB-208	Southwest flashing	NAD
66	Roof caulking (on metal roof)	Portable 210: Rooftop at flashing and bolts	20 Square Feet	G	Misc.	No	0	2303290060MB-209	Northeast bolt	NAD
								2303290060MB-210	Center flashing	NAD
								2303290060MB-211	Southwest flashing	NAD

Note: This table must be used in conjunction with the entire report. This document is not to be used for contract bidding and is intended to be used to identify asbestos-containing materials and their locations only.

Sampling results continues on the next page.

^{AAA} G = Good; D = Damaged; SD = Severely Damaged

^{BBB} Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation

^{CCC} NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Cresson Elementary School
11650 Cresson Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{DDD}	Type ^{EEE}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Portables										
67	Roof caulking (on metal roof)	Portable 211 Rooftop at flashing and bolts	20 Square Feet	G	Misc.	No	0	2303290060MB-212	Northeast flashing	NAD ^{FFF}
								2303290060MB-213	Southeast flashing	NAD
								2303290060MB-214	Southwest bolt	NAD
68	Roof caulking (on metal roof)	Portable 212: Rooftop at flashing and bolts	20 Square Feet	G	Misc.	No	0	2303290060MB-215	Northeast flashing	NAD
								2303290060MB-216	Southeast bolt	NAD
								2303290060MB-217	Southwest bolt	NAD
69	Roof caulking (on metal roof)	Portable 305: Rooftop at bolts, roof jacks, flashing and HVAC units	30 Square Feet	G	Misc.	No	0	2303290060MB-218	Northwest HVAC	Layers 1 thru 3: NAD
								2303290060MB-219	Northeast HVAC	NAD
								2303290060MB-220	Southeast roof jack	Layers 1 & 2: NAD
70	Roof caulking (on metal roof)	Portable 306: Rooftop at bolts, roof jacks and flashing	20 Square Feet	G	Misc.	No	0	2303290060MB-221	North flashing	NAD
								2303290060MB-222	Southeast roof jack	NAD
								2303290060MB-223	Southwest roof jack	NAD

Note: This table must be used in conjunction with the entire report. This document is not to be used for contract bidding and is intended to be used to identify asbestos-containing materials and their locations only.

The remainder of this page is blank.

^{DDD} G = Good; D = Damaged; SD = Severely Damaged

^{EEE} Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation

^{FFF} NAD = No Asbestos Detected.

IV. FINDINGS

EE conducted a limited asbestos inspection of the permanent buildings, portables and covered walkways at Cresson Elementary School, located at 11650 Cresson Street, Norwalk, California 90650.

Seventy (70) homogeneous material groups were identified during the visual property inspection. Two hundred and twenty-three (223) samples of suspect asbestos-containing materials were collected and delivered to AmeriSci of Carson, CA for analysis. The homogeneous areas and sampling results are listed on the table in Section III.

The analytical data revealed that the following material contain asbestos:

Administration Building:

- Window putty: The window putty located throughout the exterior windows and vents tested positive for asbestos content.
- Caulking: The caulking located throughout the exterior around doors tested positive for asbestos content.

100 Building:

- Window putty: The window putty located throughout the exterior windows and vents tested positive for asbestos content.
- Caulking: The caulking located throughout the exterior around doors tested positive for asbestos content.

200 Building:

- Roof mastic: The roof mastic located throughout rooftop at roof jacks, flashing, fans, penetration, HVAC jacks, seams and patched areas tested positive for asbestos content.
- Window putty: The window putty located throughout the exterior windows and vents tested positive for asbestos content.
- Caulking: The caulking located throughout the exterior around doors tested positive for asbestos content.

300 Building:

- Roof mastic: The roof mastic located throughout rooftop at roof pipe jacks, flashing, fans jacks, penetration, HVAC jacks, seams and patched areas tested positive for asbestos content.
- Window putty: The window putty located throughout the exterior windows and vents tested positive for asbestos content.
- Caulking: The caulking located throughout the exterior around doors tested positive for asbestos content.

400 Building:

- Roof mastic: The roof mastic located throughout rooftop at roof pipe jacks, flashing, fans jacks, penetration, HVAC jacks, seams and patched areas tested positive for asbestos content.
- Window putty: The window putty located throughout the exterior windows and vents tested positive for asbestos content.
- Caulking: The caulking located throughout the exterior around doors tested positive for asbestos content.

500 Building:

- Window putty: The window putty located throughout the exterior windows and vents tested positive for asbestos content.

MPR Building:

- Roof mastic: The roof mastic located throughout rooftops no. 1 and 2 at roof jacks, HVAC units, flashing, penetration, seams and patched areas tested positive for asbestos content.
- Window putty: The window putty located where brick and stucco tested positive for asbestos content.

Covered Walkways:

- Roofing coating material: The roofing coating material located throughout Covered walkways no. 1 and 2 tested positive for asbestos content.
- Roof mastic: The roof mastic located throughout Covered walkways no. 1 and 2 at roof deck, patches and conduit pads tested positive for asbestos content.
- Conduit pads: The conduit pads located at Covered walkway no. 1 tested positive for asbestos content
- Texture coat: The texture coat located throughout roof top of Covered walkway no. 1 tested positive for asbestos content.

V. CONCLUSIONS/RECOMMENDATIONS

Normally, asbestos-containing material found to be in good condition is not considered a hazard, unless it is disturbed. Prior to the start of any activity, such as remodeling, demolition, or renovation, that might disturb this material, a Certified Asbestos Consultant should be contracted to design and monitor the project. A California-licensed asbestos contractor should be hired to complete the asbestos abatement procedures.

If you have any questions, please call Mr. Tim Galeana at 626-441-7050. We are glad we could be of service to you.

VI. DISCLAIMER/REPORT LIMITATIONS

All reports and recommendations are based on conditions and practices observed and information made available to Executive Environmental (EE) by the client and the designated sites/facilities on the days sampling was conducted. This report does not purport to set forth all hazards, nor to indicate that other hazards do not exist. No responsibility is assumed by EE for the control or correction of conditions or practices existing at the facilities, or at any other premises surveyed by EE, for and on the behalf of the client. Services provided by EE shall be governed by the standard of practice for professional services measured at the time those services are rendered.

All information contained in this report is proprietary and limited to the scope of services, parameters of the analytical methods used and the conditions present at the time of this inspection. Any references to quantities are considered estimates and are not to be construed as actual.

APPENDIX A – LABORATORY ANALYSIS REPORT



Please Reply To:

AmeriSci Los Angeles

24416 S. Main Street, Ste 308

Carson, California 90745

TEL: (310) 834-4868 • FAX: (310) 834-4772

LABORATORY ELECTRONIC TRANSMITTAL

To: Yesenia Galeana
Executive Environmental Services Corporatio

From: Megan A DeLara

Fax #:

AmeriSci Job #: 923031519

Subject: PLM 5 day Results

Client Project: 23-Z0187-0060; Admin, Building
100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable
205, 206, 207, 208, 209, 210, 211,
212, 305, 306

Email: info@execenv.com, ygaleana@execenv.com

Date: Thursday, April 6, 2023

Time: 18:11:56

Comments:

Number of Pages: _____
(including cover sheet)

NOTE: Attached report is to be considered preliminary until final review with accompanying analysis summary letter is issued.

CONFIDENTIALITY NOTICE: Unless otherwise indicated, the information contained in this communication is confidential information intended for use of the individual named above. If the reader of this communication is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is prohibited. If you have received this communication in error, please immediately notify the sender by telephone and return the original message to the above address via the US Postal Service at our expense. Samples are disposed of in 60 days or unless otherwise instructed by the protocol or special instructions in writing. Thank you.

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24416 S. Main Street, Ste 308
 Carson, California 90745
 TEL: (310) 834-4868 • FAX: (310) 834-4772

PLM Bulk Asbestos Report

Executive Environmental Services Corpor **Date Received** 03/30/23 **AmeriSci Job #** 923031519
 Attn: Yesenia Galeana **Date Examined** 04/03/23 **P.O. #**
 310 East Foothill Blvd. **Page** 1 of 46
 Suite 200 **RE:** 23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
 Arcadia, CA 91006 Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
 211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270060MB-1 Location: Admin NW / Roof Core / Admin T-O Roof Analyst Description: Black, Homogeneous, Fibrous, Roof Core Asbestos Types: Other Material: Fibrous glass 10%, Non-fibrous 90%	923031519-01	No	NAD (by CVES) by Megan A DeLara on 04/03/23
2303270060MB-2 Location: Admin Center / Roof Core / Admin T-O Roof Analyst Description: Black, Homogeneous, Fibrous, Roof Core Asbestos Types: Other Material: Fibrous glass 10%, Non-fibrous 90%	923031519-02	No	NAD (by CVES) by Megan A DeLara on 04/03/23
2303270060MB-3 Location: Admin SE / Roof Core / Admin T-O Roof Analyst Description: Black, Homogeneous, Fibrous, Roof Core Asbestos Types: Other Material: Fibrous glass 10%, Non-fibrous 90%	923031519-03	No	NAD (by CVES) by Megan A DeLara on 04/03/23
2303270060MB-4 Location: Admin NW Edge / Roof Core Patch / Admin At Roof Edges, Some Roof Penetrations, And Vent Analyst Description: Black, Homogeneous, Fibrous, Patch Core Asbestos Types: Other Material: Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 80%	923031519-04	No	NAD (by CVES) by Megan A DeLara on 04/03/23
2303270060MB-5 Location: Admin Center Patch / Roof Core Patch / Admin At Roof Edges, Some Roof Penetrations, And Vent Analyst Description: Black, Homogeneous, Fibrous, Patch Core Asbestos Types: Other Material: Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 80%	923031519-05	No	NAD (by CVES) by Megan A DeLara on 04/03/23

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270060MB-6	923031519-06	No	NAD
Location: Admin SE Vent / Roof Core Patch / Admin At Roof Edges, Some Roof Penetrations, And Vent			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Core Patch			
Asbestos Types:			
Other Material: Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 80%			
2303270060MB-7	923031519-07	No	NAD
Location: Admin NW Conduit Pad / Roof Mastic / Admin Roof At Flashings, Roof Jacks, Vent, Conduit Pad			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Roofing Mastic			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270060MB-8	923031519-08	No	NAD
Location: Admin Center Roof Jack / Roof Mastic / Admin Roof At Flashings, Roof Jacks, Vent, Conduit Pad			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Roofing Mastic			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270060MB-9	923031519-09	No	NAD
Location: Admin SE Vent / Roof Mastic / Admin Roof At Flashings, Roof Jacks, Vent, Conduit Pad			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Roofing Mastic			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270060MB-10	923031519-10	No	NAD
Location: Admin NW / Conduit Pads / Admin Under Conduit			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Conduit Pad			
Asbestos Types:			
Other Material: Fibrous glass 5%, Non-fibrous 95%			
2303270060MB-11	923031519-11	No	NAD
Location: Admin SW / Conduit Pads / Admin Under Conduit			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Conduit Pad			
Asbestos Types:			
Other Material: Fibrous glass 5%, Non-fibrous 95%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270060MB-12	923031519-12	No	NAD
Location: Admin Center / Conduit Pads / Admin Under Conduit			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Conduit Pad			
Asbestos Types:			
Other Material: Fibrous glass 5%, Non-fibrous 95%			
2303270060MB-13	923031519-13	No	NAD
Location: Roof NE / Roof Core / Building 100 T-O Roof			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-14	923031519-14	No	NAD
Location: Roof Center / Roof Core / Building 100 T-O Roof			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-15	923031519-15	No	NAD
Location: Roof SW / Roof Core / Building 100 T-O Roof			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-16	923031519-16	No	NAD
Location: Roof NE / Roof Patch Core / Building 100 At Edges, HVAC Jacks, Fans			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 80%			
2303270060MB-17	923031519-17	No	NAD
Location: Roof Center / Roof Patch Core / Building 100 At Edges, HVAC Jacks, Fans			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270060MB-18	923031519-18	No	NAD
Location: Roof SW / Roof Patch Core / Building 100 At Edges, HVAC Jacks, Fans			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-19	923031519-19	No	NAD
Location: Roof N Vent / Roof Mastic / Building 100 Roof Jacks, HVAC Jacks, Fans, Flashings, Patches			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Roofing Mastic			
Asbestos Types:			
Other Material: Cellulose 10%, Non-fibrous 90%			
2303270060MB-20	923031519-20	No	NAD
Location: Roof Center HVAC Jack / Roof Mastic / Building 100 Roof Jacks, HVAC Jacks, Fans, Flashings, Patches			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Roofing Mastic			
Asbestos Types:			
Other Material: Cellulose 10%, Non-fibrous 90%			
2303270060MB-21	923031519-21	No	NAD
Location: Roof SW Roof Jack / Roof Mastic / Building 100 Roof Jacks, HVAC Jacks, Fans, Flashings, Patches			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types:			
Other Material: Cellulose 10%, Non-fibrous 90%			
2303270060MB-22	923031519-22	No	NAD
Location: Roof E / Roof Core / Building 200 T-O Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-23	923031519-23	No	NAD
Location: Roof N / Roof Core / Building 200 T-O Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270060MB-24	923031519-24	No	NAD
Location: Roof SW / Roof Core / Building 200 T-O Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Cellulose 2%, Fibrous glass 10%, Non-fibrous 88%			
2303270060MB-25	923031519-25	No	NAD
Location: Roof E Edge / Roof Patch Core / Building 200 Roof Edges, HVAC Jacks, Fans			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 80%			
2303270060MB-26	923031519-26	No	NAD
Location: Roof N Fan / Roof Patch Core / Building 200 Roof Edges, HVAC Jacks, Fans			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 80%			
2303270060MB-27	923031519-27	No	NAD
Location: Roof SW HVAC / Roof Patch Core / Building 200 Roof Edges, HVAC Jacks, Fans			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 80%			
2303270060MB-28	923031519-28	Yes	5%
Location: Roof SE Flashing / Roof Mastic / Building 200 Flashings, Roof Jacks, HVAC, Fans			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303270060MB-29	923031519-29	No	5%
Location: Roof N Fan / Roof Mastic / Building 200 Flashings, Roof Jacks, HVAC, Fans			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270060MB-30	923031519-30	No	5%
Location: Roof SW Roof Jack / Roof Mastic / Building 200 Flashings, Roof Jacks, HVAC, Fans			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black/Silver, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303270060MB-31	923031519-31	No	NAD
Location: Roof E / Roof Core / Building 300 T-O Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-32	923031519-32	No	NAD
Location: Roof Center / Roof Core / Building 300 T-O Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-33	923031519-33	No	NAD
Location: Roof SW / Roof Core / Building 300 T-O Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-34	923031519-34	No	NAD
Location: Roof E Edge / Roof Patch Core / Building 300 At Edges, Fans, HVAC Units			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-35	923031519-35	No	NAD
Location: Roof Center Fan / Roof Patch Core / Building 300 At Edges, Fans, HVAC Units			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270060MB-36	923031519-36	No	NAD
Location: Roof W HVAC / Roof Patch Core / Building 300 At Edges, Fans, HVAC Units			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 80%			
2303270060MB-37	923031519-37	Yes	5%
Location: Roof SE Flashing / Roof Mastic / Building 300 Roof At Flashings, Roof Pipe Jacks, HVAC Jacks, Fan Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303270060MB-38	923031519-38	No	5%
Location: Roof Center HVAC Jack / Roof Mastic / Building 300 Roof At Flashings, Roof Pipe Jacks, HVAC Jacks, Fan Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303270060MB-39	923031519-39	No	5%
Location: Roof Fan Jack / Roof Mastic / Building 300 Roof At Flashings, Roof Pipe Jacks, HVAC Jacks, Fan Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303270060MB-40	923031519-40	No	NAD
Location: Roof E / Roof Core / Building 400 T-O Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Cellulose 2%, Fibrous glass 10%, Non-fibrous 88%			
2303270060MB-41	923031519-41	No	NAD
Location: Roof Center / Roof Core / Building 400 T-O Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Cellulose 2%, Fibrous glass 10%, Non-fibrous 88%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270060MB-42	923031519-42	No	NAD
Location: Roof SW / Roof Core / Building 400 T-O Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Cellulose 2%, Fibrous glass 10%, Non-fibrous 88%			
2303270060MB-43	923031519-43	No	NAD
Location: Roof E Edge / Roof Patch Core / Building 400 Roof At Edges, HVAC Roof Jacks, And Fan Roof Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-44	923031519-44	No	NAD
Location: Roof Center HVAC / Roof Patch Core / Building 400 Roof At Edges, HVAC Roof Jacks, And Fan Roof Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-45	923031519-45	No	NAD
Location: Roof SW Fan / Roof Patch Core / Building 400 Roof At Edges, HVAC Roof Jacks, And Fan Roof Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 80%			
2303270060MB-46	923031519-46	Yes	5%
Location: Roof SE Roof Pipe Jack / Roof Mastic / Building 400 Roof At Patches, Flashings, Roof Pipe Jacks, Roof Fan Jacks, Roof HVAC Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303270060MB-47	923031519-47	Yes	5%
Location: Roof Center HVAC / Roof Mastic / Building 400 Roof At Patches, Flashings, Roof Pipe Jacks, Roof Fan Jacks, Roof HVAC Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270060MB-48	923031519-48	Yes	5%
Location: Roof SW Fan / Roof Mastic / Building 400 Roof At Patches, Flashings, Roof Pipe Jacks, Roof Fan Jacks, Roof HVAC Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303270060MB-49	923031519-49	No	NAD
Location: Roof E / Roof Core / Building 500 T-O Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-50	923031519-50	No	NAD
Location: Roof Center / Roof Core / Building 500 T-O Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-51	923031519-51	No	NAD
Location: Roof SW / Roof Core / Building 500 T-O Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-52	923031519-52	No	NAD
Location: Roof E Edge / Roof Patch Core / Building 500 Roof At Edges, HVAC Units Fans And Roof Jakcs			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 80%			
2303270060MB-53	923031519-53	No	NAD
Location: Roof Center HVAC / Roof Patch Core / Building 500 Roof At Edges, HVAC Units Fans And Roof Jakcs			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270060MB-54	923031519-54	No	NAD
Location: Roof SW Fan / Roof Patch Core / Building 500 Roof At Edges, HVAC Units Fans And Roof Jakcs			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core Asbestos Types: Other Material: Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 80%			
2303270060MB-55	923031519-55	No	NAD
Location: Roof E Pipe Jack / Roof Mastic / Building 500 Roof At Patches, Flashings, Roof Jacks, Fans, And HVAC Units			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic Asbestos Types: Other Material: Cellulose 10%, Non-fibrous 90%			
2303270060MB-56	923031519-56	No	NAD
Location: Roof Center HVAC Jack / Roof Mastic / Building 500 Roof At Patches, Flashings, Roof Jacks, Fans, And HVAC Units			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic Asbestos Types: Other Material: Cellulose 10%, Non-fibrous 90%			
2303270060MB-57	923031519-57	No	NAD
Location: Roof SW Fan Jack / Roof Mastic / Building 500 Roof At Patches, Flashings, Roof Jacks, Fans, And HVAC Units			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Roofing Mastic Asbestos Types: Other Material: Cellulose 10%, Non-fibrous 90%			
2303270060MB-58	923031519-58	No	NAD
Location: Roof 1 NE / Roof Core / MPR Roof 1 T-O			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core Asbestos Types: Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303270060MB-59	923031519-59	No	NAD
Location: Roof 1 Center / Roof Core / MPR Roof 1 T-O			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core Asbestos Types: Other Material: Fibrous glass 10%, Non-fibrous 90%			

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23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270060MB-60 Location: Roof 1 S / Roof Core / MPR Roof 1 T-O	923031519-60	No	NAD (by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Cellulose 2%, Fibrous glass 10%, Non-fibrous 88%			
2303280060MB-61 Location: Roof 1 NE Edge / Roof Patch Core / MPR Roof 1 At Edges Chimney And South Roof Jack	923031519-61	No	NAD (by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Cellulose 2%, Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 78%			
2303280060MB-62 Location: Roof 1 S Roof Jacks / Roof Patch Core / MPR Roof 1 At Edges Chimney And South Roof Jack	923031519-62	No	NAD (by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Cellulose 2%, Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 78%			
2303280060MB-63 Location: Roof 1 SW Chimney / Roof Patch Core / MPR Roof 1 At Edges Chimney And South Roof Jack	923031519-63	No	NAD (by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 80%			
2303280060MB-64 Location: Roof 1 NE HVAC / Roof Patch Core / MPR Roof 1 At North HVAC Jacks And Vent Jacks	923031519-64	No	NAD (by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303280060MB-65 Location: Roof 1 NW HVAC / Roof Patch Core / MPR Roof 1 At North HVAC Jacks And Vent Jacks	923031519-65	No	NAD (by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			

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23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-66	923031519-66	No	NAD
Location: Roof 1 NW Vent / Roof Patch Core / MPR Roof 1 At North HVAC Jacks And Vent Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303280060MB-67	923031519-67	Yes	5%
Location: Roof 1 NE Seam / Roof Mastic / MPR Roof 1 At Patches, Flashings, Seams, HVAC Units, Fans, And Roof Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303280060MB-68	923031519-68	No	NAD
Location: Roof 1 NW Roof Jack / Roof Mastic / MPR Roof 1 At Patches, Flashings, Seams, HVAC Units, Fans, And Roof Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types:			
Other Material: Cellulose 10%, Non-fibrous 90%			
2303280060MB-69	923031519-69	Yes	5%
Location: Roof 1 S Roof Jack / Roof Mastic / MPR Roof 1 At Patches, Flashings, Seams, HVAC Units, Fans, And Roof Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303280060MB-70	923031519-70	No	NAD
Location: Roof 1 S / Caulking / MPR Roof 1 At S Roof Jack			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Grey, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-71	923031519-71	No	NAD
Location: Roof 1 S / Caulking / MPR Roof 1 At S Roof Jack			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			

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23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-72 Location: Roof 1 S / Caulking / MPR Roof 1 At S Roof Jack	923031519-72	No	NAD (by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-73 Location: Roof 2 N / Roof Core / MPR Roof 2 T-O	923031519-73	No	NAD (by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303280060MB-74 Location: Roof 2 SE / Roof Core / MPR Roof 2 T-O	923031519-74	No	NAD (by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303280060MB-75 Location: Roof 2 SW / Roof Core / MPR Roof 2 T-O	923031519-75	No	NAD (by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303280060MB-76 Location: Roof 2 N At Wall / Roof Patch Core / MPR Roof 2 At Edges And Wall	923031519-76	No	NAD (by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303280060MB-77 Location: Roof 2 E Edge / Roof Patch Core / MPR Roof 2 At Edges And Wall	923031519-77	No	NAD (by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Cellulose 2%, Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 78%			

Client Name: Executive Environmental Services Corporation

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23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-78	923031519-78	No	NAD
Location: Roof 2 SW At Wall / Roof Patch Core / MPR Roof 2 At Edges And Wall			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Cellulose 2%, Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 78%			
2303280060MB-79	923031519-79	No	NAD
Location: Roof 2 N Fan Jack / Roof Patch Core / MPR Roof 2 At HVAC Units And Roof Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Cellulose 2%, Fibrous glass 10%, Synthetic fibers 10%, Non-fibrous 78%			
2303280060MB-80	923031519-80	No	NAD
Location: Roof 2 E Vent / Roof Patch Core / MPR Roof 2 At HVAC Units And Roof Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303280060MB-81	923031519-81	No	NAD
Location: Roof 2 SW Pipe Jack / Roof Patch Core / MPR Roof 2 At HVAC Units And Roof Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Patch Core			
Asbestos Types:			
Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303280060MB-82	923031519-82	Yes	5%
Location: Roof 2 N Wall Flashing / Roof Mastic / MPR Roof 2 At Flashings, HVAC Units, Fan, And Roof Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303280060MB-83	923031519-83	No	5%
Location: Roof 2 E Fan / Roof Mastic / MPR Roof 2 At Flashings, HVAC Units, Fan, And Roof Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			

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23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-84	923031519-84	No	5%
Location: Roof 2 W Roof Pipe Jack / Roof Mastic / MPR Roof 2 At Flashings, HVAC Units, Fan, And Roof Jacks			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303280060MB-85	923031519-85	No	NAD
Location: Roof 2 SW / HVAC Duct Mastic / MPR Roof 2 On HVAC Ducts			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Duct Mastic			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-86	923031519-86	No	NAD
Location: Roof 2 SW / HVAC Duct Mastic / MPR Roof 2 On HVAC Ducts			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Duct Mastic			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-87	923031519-87	No	NAD
Location: Roof 2 SW / HVAC Duct Mastic / MPR Roof 2 On HVAC Ducts			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Duct Mastic			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-88	923031519-88	Yes	20%
Location: Roof NE / Roof Coating (On Metal) / Covered Walkway 1 Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Gray, Homogeneous, Fibrous, Roof Coating			
Asbestos Types: Chrysotile 20.0 %			
Other Material: Cellulose 5%, Non-fibrous 75%			
2303280060MB-89	923031519-89	Yes	20%
Location: Roof N / Roof Coating (On Metal) / Covered Walkway 1 Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Gray, Homogeneous, Fibrous, Roof Coating			
Asbestos Types: Chrysotile 20.0 %			
Other Material: Non-fibrous 80%			

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23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-90	923031519-90	Yes	20%
Location: Roof E / Roof Coating (On Metal) / Covered Walkway 1 Roof			(by CVES) by Patricia Weakley on 04/03/23
Analyst Description: Gray, Homogeneous, Fibrous, Roof Coating			
Asbestos Types: Chrysotile 20.0 %			
Other Material: Non-fibrous 80%			
2303280060MB-91	923031519-91	Yes	25%
Location: Roof SW / Roof Coating (On Metal) / Covered Walkway 1 Roof			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Fibrous, Coating			
Asbestos Types: Chrysotile 25.0 %			
Other Material: Non-fibrous 75%			
2303280060MB-92	923031519-92	Yes	25%
Location: Roof SE / Roof Coating (On Metal) / Covered Walkway 1 Roof			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Fibrous, Coating			
Asbestos Types: Chrysotile 25.0 %			
Other Material: Non-fibrous 75%			
2303280060MB-93	923031519-93	Yes	5%
Location: Roof NE / Roof Mastic / Covered Walkway 1 Patches On Roof Deck And On Conduit Pads			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303280060MB-94	923031519-94	No	5%
Location: Roof N / Roof Mastic / Covered Walkway 1 Patches On Roof Deck And On Conduit Pads			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303280060MB-95	923031519-95	No	5%
Location: Roof S / Roof Mastic / Covered Walkway 1 Patches On Roof Deck And On Conduit Pads			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			

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Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-96 Location: Roof NE / Conduit Pads / Covered Walkway 1 T-O	923031519-96	No	NAD (by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Pad			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 20%, Non-fibrous 70%			
2303280060MB-97 Location: Roof N / Conduit Pads / Covered Walkway 1 T-O	923031519-97	No	NAD (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Black, Homogeneous, Fibrous, Pad			
Asbestos Types:			
Other Material: Fibrous glass 20%, Non-fibrous 80%			
2303280060MB-98 Location: Roof SE / Conduit Pads / Covered Walkway 1 T-O	923031519-98	Yes	2% (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Black, Heterogeneous, Fibrous, Pad			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Fibrous glass 20%, Non-fibrous 78%			
2303280060MB-99 Location: CW 1 NE / Texture Coating / Ceiling Of Covered Walkway	923031519-99	Yes	Trace (<1 %) ¹ (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: White, Heterogeneous, Non-Fibrous, Texture			
Asbestos Types: Chrysotile <1. %			
Other Material: Cellulose 2%, Non-fibrous 98%			
2303280060MB-100 Location: CW 1 N / Texture Coating / Ceiling Of Covered Walkway	923031519-100L1	Yes	Trace (<1 %) ¹ (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: White, Homogeneous, Non-Fibrous, Texture			
Asbestos Types: Chrysotile <1. %			
Other Material: Non-fibrous 100%			
2303280060MB-100 Location: CW 1 N / Texture Coating / Ceiling Of Covered Walkway	923031519-100L2	Yes	25% (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray/Red, Heterogeneous, Fibrous, Fibrous Material			
Asbestos Types: Chrysotile 25.0 %			
Other Material: Non-fibrous 75%			

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23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-101 Location: CW 1 W / Texture Coating / Ceiling Of Covered Walkway Analyst Description: White, Heterogeneous, Non-Fibrous, Texture Asbestos Types: Chrysotile <1. % Other Material: Non-fibrous 100%	923031519-101	Yes	10% ¹ (by CVES) by Patricia Weakley on 04/04/23
2303280060MB-102 Location: CW 1 E / Texture Coating / Ceiling Of Covered Walkway Analyst Description: White, Homogeneous, Non-Fibrous, Texture Asbestos Types: Other Material: Cellulose 2%, Non-fibrous 98%	923031519-102	No	10% (by CVES) by Patricia Weakley on 04/04/23
2303280060MB-103 Location: CW 1 S / Texture Coating / Ceiling Of Covered Walkway Analyst Description: Gray, Homogeneous, Fibrous, Texture Asbestos Types: Chrysotile <1. % Other Material: Non-fibrous 100%	923031519-103L1	Yes	Trace (<1 %) ¹ (by CVES) by Patricia Weakley on 04/04/23
2303280060MB-103 Location: CW 1 S / Texture Coating / Ceiling Of Covered Walkway Analyst Description: Gray/Red, Heterogeneous, Fibrous, Fibrous Material Asbestos Types: Chrysotile 10.0 % Other Material: Non-fibrous 90%	923031519-103L2	Yes	10% (by CVES) by Patricia Weakley on 04/04/23
2303280060MB-104 Location: CW 2 N / Roof Coating (On Metal) / T-O Covered Walkway 2 Roof Deck Analyst Description: Gray, Homogeneous, Fibrous, Coating Asbestos Types: Chrysotile 75.0 % Other Material: Non-fibrous 25%	923031519-104	Yes	75% (by CVES) by Patricia Weakley on 04/04/23
2303280060MB-105 Location: CW 2 NW / Roof Coating (On Metal) / T-O Covered Walkway 2 Roof Deck Analyst Description: Gray, Homogeneous, Fibrous, Coating Asbestos Types: Chrysotile 25.0 % Other Material: Non-fibrous 75%	923031519-105	Yes	25% (by CVES) by Patricia Weakley on 04/04/23

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-106	923031519-106	Yes	50%
Location: CW 2 W / Roof Coating (On Metal) / T-O Covered Walkway 2 Roof Deck			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Fibrous, Coating			
Asbestos Types: Chrysotile 50.0 %			
Other Material: Non-fibrous 50%			
2303280060MB-107	923031519-107	Yes	25%
Location: CW 2 E / Roof Coating (On Metal) / T-O Covered Walkway 2 Roof Deck			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Fibrous, Coating			
Asbestos Types: Chrysotile 25.0 %			
Other Material: Non-fibrous 75%			
2303280060MB-108	923031519-108	Yes	25%
Location: CW 2 SE / Roof Coating (On Metal) / T-O Covered Walkway 2 Roof Deck			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Fibrous, Coating			
Asbestos Types: Chrysotile 25.0 %			
Other Material: Non-fibrous 75%			
2303280060MB-109	923031519-109	Yes	5%
Location: CW 2 NW / Roof Mastic / T-O Covered Walkway 2 On Roof Deck And Under Conduit Pads			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Black, Heterogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Cellulose 10%, Non-fibrous 85%			
2303280060MB-110	923031519-110	Yes	5%
Location: CW 2 N / Roof Mastic / T-O Covered Walkway 2 On Roof Deck And Under Conduit Pads			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Black/Grey, Heterogeneous, Fibrous, Roofing Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303280060MB-111	923031519-111	No	NAD
Location: CW 2 SW / Roof Mastic / T-O Covered Walkway 2 On Roof Deck And Under Conduit Pads			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types:			
Other Material: Cellulose 10%, Non-fibrous 90%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-112	923031519-112	No	NAD
Location: CW 2 N / Texture Coating / Covered Walkway 2 Exterior T-O Ceiling			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Tan, Homogeneous, Non-Fibrous, Texture			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-113	923031519-113	No	NAD
Location: CW 2 NW / Texture Coating / Covered Walkway 2 Exterior T-O Ceiling			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: White, Homogeneous, Non-Fibrous, Texture			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-114	923031519-114	No	NAD
Location: CW 2 W / Texture Coating / Covered Walkway 2 Exterior T-O Ceiling			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: White, Homogeneous, Non-Fibrous, Texture			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-115	923031519-115	No	NAD
Location: CW 2 E / Texture Coating / Covered Walkway 2 Exterior T-O Ceiling			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: White, Homogeneous, Non-Fibrous, Texture			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-116	923031519-116	No	NAD
Location: CW 2 SE / Texture Coating / Covered Walkway 2 Exterior T-O Ceiling			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: White, Homogeneous, Non-Fibrous, Texture			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-117	923031519-117L1	No	NAD
Location: Admin NE Wall / Brick And Mortar / Admin Exterior Walls			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-117 Location: Admin NE Wall / Brick And Mortar / Admin Exterior Walls	923031519-117L2	No	NAD (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-118 Location: Admin NW Wall / Brick And Mortar / Admin Exterior Walls	923031519-118L1	No	NAD (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-118 Location: Admin NW Wall / Brick And Mortar / Admin Exterior Walls	923031519-118L2	No	NAD (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-119 Location: Admin SW Wall / Brick And Mortar / Admin Exterior Walls	923031519-119L1	No	NAD (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-119 Location: Admin SW Wall / Brick And Mortar / Admin Exterior Walls	923031519-119L2	No	NAD (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-120 Location: Admin NW / Window Putty / Admin Exterior Windows And Around Some Windows And Vents	923031519-120L1	Yes	2% (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty #1			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-120	923031519-120L2	No	NAD
Location: Admin NW / Window Putty / Admin Exterior Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: White, Homogeneous, Non-Fibrous, Putty #2			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-121	923031519-121	Yes	2%
Location: Admin E / Window Putty / Admin Exterior Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Lt. Grey, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303280060MB-122	923031519-122	Yes	2%
Location: Admin W / Window Putty / Admin Exterior Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Lt. Grey, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303280060MB-123	923031519-123L1	No	NAD
Location: Admin SW / Caulking / Admin Exterior Around Doors			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Dark Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-123	923031519-123L2	Yes	5%
Location: Admin SW / Caulking / Admin Exterior Around Doors			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Lt. Grey, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303280060MB-124	923031519-124L1	No	NAD
Location: Admin S / Caulking / Admin Exterior Around Doors			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Dark Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-124	923031519-124L2	Yes	3%
Location: Admin S / Caulking / Admin Exterior Around Doors			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Lt. Grey, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 3.0 %			
Other Material: Non-fibrous 97%			
2303280060MB-125	923031519-125	No	NAD
Location: Admin SE / Caulking / Admin Exterior Around Doors			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-126	923031519-126L1	No	NAD
Location: Admin S / Stucco / Admin Exterior Drinking Fountain			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Stucco - Top Coat			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-126	923031519-126L2	No	NAD
Location: Admin S / Stucco / Admin Exterior Drinking Fountain			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-127	923031519-127	No	NAD
Location: Admin S / Stucco / Admin Exterior Drinking Fountain			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-128	923031519-128L1	No	NAD
Location: Admin S / Stucco / Admin Exterior Drinking Fountain			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Stucco - Top Coat			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-128 Location: Admin S / Stucco / Admin Exterior Drinking Fountain	923031519-128L2	No	NAD (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-129 Location: Building 100 NE / Brick And Mortar / Building 100 Exterior Walls	923031519-129L1	No	NAD (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-129 Location: Building 100 NE / Brick And Mortar / Building 100 Exterior Walls	923031519-129L2	No	NAD (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-130 Location: Building 100 SE / Brick And Mortar / Building 100 Exterior Walls	923031519-130L1	No	NAD (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-130 Location: Building 100 SE / Brick And Mortar / Building 100 Exterior Walls	923031519-130L2	No	NAD (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-131 Location: Building 100 W / Brick And Mortar / Building 100 Exterior Walls	923031519-131L1	No	NAD (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-131 Location: Building 100 W / Brick And Mortar / Building 100 Exterior Walls	923031519-131L2	No	NAD (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-132 Location: Building 100 E / Window Putty / Building 100 Exterior Windows And Around Some Windows And Vents	923031519-132	No	2% (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 2.0			
%Other Material: Non-fibrous 98%			
2303280060MB-133 Location: Building 100 SE / Window Putty / Building 100 Exterior Windows And Around Some Windows And Vents	923031519-133	No	2% (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303280060MB-134 Location: Building 100 W / Window Putty / Building 100 Exterior Windows And Around Some Windows And Vents	923031519-134	Yes	Trace (<1 %) (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile <1. %			
Other Material: Non-fibrous 100%			
2303280060MB-135 Location: Building 100 NE / Caulking / Building 100 Exterior Around Doors	923031519-135L1	No	NAD (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Clear, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-135 Location: Building 100 NE / Caulking / Building 100 Exterior Around Doors	923031519-135L2	Yes	2% (by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-136	923031519-136L1	No	NAD
Location: Building 100 SE / Caulking / Building 100 Exterior Around Doors			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-136	923031519-136L2	Yes	2%
Location: Building 100 SE / Caulking / Building 100 Exterior Around Doors			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303280060MB-137	923031519-137L1	No	NAD
Location: Building 100 SW / Caulking / Building 100 Exterior Around Doors			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-137	923031519-137L2	Yes	3%
Location: Building 100 SW / Caulking / Building 100 Exterior Around Doors			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 3.0 %			
Other Material: Non-fibrous 97%			
2303280060MB-138	923031519-138L1	No	NAD
Location: Building 200 NW / Brick And Mortar / Building 200 Exterior Walls			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-138	923031519-138L2	No	NAD
Location: Building 200 NW / Brick And Mortar / Building 200 Exterior Walls			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-139	923031519-139L1	No	NAD
Location: Building 200 S / Brick And Mortar / Building 200 Exterior Walls			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-139	923031519-139L2	No	NAD
Location: Building 200 S / Brick And Mortar / Building 200 Exterior Walls			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-140	923031519-140L1	No	NAD
Location: Building 200 W / Brick And Mortar / Building 200 Exterior Walls			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-140	923031519-140L2	No	NAD
Location: Building 200 W / Brick And Mortar / Building 200 Exterior Walls			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-141	923031519-141	No	5%
Location: Building 200 NE / Window Putty / Building 200 Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303280060MB-142	923031519-142	No	5%
Location: Building 200 E / Window Putty / Building 200 Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280060MB-143	923031519-143	Yes	2%
Location: Building 200 SW / Window Putty / Building 200 Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303280060MB-144	923031519-144	No	2%
Location: Building 200 NE / Caulking / Building 200 Around Doors			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303280060MB-145	923031519-145	No	2%
Location: Building 200 E / Caulking / Building 200 Around Doors			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303280060MB-146	923031519-146L1	No	NAD
Location: Building 200 SE / Caulking / Building 200 Around Doors			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280060MB-146	923031519-146L2	Yes	Trace (<1 %)
Location: Building 200 SE / Caulking / Building 200 Around Doors			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile <1. %			
Other Material: Non-fibrous 100%			
2303290060MB-147	923031519-147L1	No	NAD
Location: Building 300 NE / Brick And Mortar / Building 300 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-147	923031519-147L2	No	NAD
Location: Building 300 NE / Brick And Mortar / Building 300 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-148	923031519-148L1	No	NAD
Location: Building 300 SE / Brick And Mortar / Building 300 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-148	923031519-148L2	No	NAD
Location: Building 300 SE / Brick And Mortar / Building 300 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-149	923031519-149L1	No	NAD
Location: Building 300 SW / Brick And Mortar / Building 300 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-149	923031519-149L2	No	NAD
Location: Building 300 SW / Brick And Mortar / Building 300 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-150	923031519-150	No	NAD
Location: Building 300 NE / Window Putty / Building 300 Exterior Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-151	923031519-151	Yes	5%
Location: Building 300 SE / Window Putty / Building 300 Exterior Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303290060MB-152	923031519-152	Yes	5%
Location: Building 300 SW / Window Putty / Building 300 Exterior Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303290060MB-153	923031519-153	No	NAD
Location: Building 300 NE / Caulking / Building 300 Around Doors			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-154	923031519-154L1	Yes	5%
Location: Building 300 SE / Caulking / Building 300 Around Doors			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: White, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303290060MB-154	923031519-154L2	No	NAD
Location: Building 300 SE / Caulking / Building 300 Around Doors			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-155	923031519-155	No	NAD
Location: Building 300 S / Caulking / Building 300 Around Doors			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-156 Location: Building 300 S / Stucco / Building 300 S Drinking Fountain	923031519-156L1	No	NAD (by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Stucco - Top Coat			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-156 Location: Building 300 S / Stucco / Building 300 S Drinking Fountain	923031519-156L2	No	NAD (by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-157 Location: Building 300 S / Stucco / Building 300 S Drinking Fountain	923031519-157L1	No	NAD (by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Stucco - Top Coat			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-157 Location: Building 300 S / Stucco / Building 300 S Drinking Fountain	923031519-157L2	No	NAD (by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-158 Location: Building 300 S / Stucco / Building 300 S Drinking Fountain	923031519-158	No	NAD (by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-159 Location: Building 400 NE / Brick And Mortar / Building 400 Exterior Walls	923031519-159L1	No	NAD (by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-159	923031519-159L2	No	NAD
Location: Building 400 NE / Brick And Mortar / Builing 400 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-160	923031519-160L1	No	NAD
Location: Building 400 E / Brick And Mortar / Builing 400 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-160	923031519-160L2	No	NAD
Location: Building 400 E / Brick And Mortar / Builing 400 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-161	923031519-161L1	No	NAD
Location: Building 400 SE / Brick And Mortar / Builing 400 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-161	923031519-161L2	No	NAD
Location: Building 400 SE / Brick And Mortar / Builing 400 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-162	923031519-162	Yes	5%
Location: Building 400 E / Window Putty / Building 400 Exterior Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-163	923031519-163	No	5%
Location: Building 400 SE / Window Putty / Building 400 Exterior Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303290060MB-164	923031519-164	No	5%
Location: Building 400 SW / Window Putty / Building 400 Exterior Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95%			
2303290060MB-165	923031519-165	No	NAD
Location: Building 400 E / Caulking / Building 400 Exterior Around Doors			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-166	923031519-166L1	No	NAD
Location: Building 400 SE / Caulking / Building 400 Exterior Around Doors			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-166	923031519-166L2	Yes	2%
Location: Building 400 SE / Caulking / Building 400 Exterior Around Doors			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303290060MB-167	923031519-167	No	2%
Location: Building 400 S / Caulking / Building 400 Exterior Around Doors			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-168	923031519-168	No	NAD
Location: Building 400 SE / Stucco / Building 400 SE Drinking Fountain			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Lt. Grey, Homogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-169	923031519-169	No	NAD
Location: Building 400 SE / Stucco / Building 400 SE Drinking Fountain			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Lt. Grey, Homogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-170	923031519-170	No	NAD
Location: Building 400 SE / Stucco / Building 400 SE Drinking Fountain			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Lt. Grey, Homogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-171	923031519-171L1	No	NAD
Location: Building 500 NE / Brick And Mortar / Building 500 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-171	923031519-171L2	No	NAD
Location: Building 500 NE / Brick And Mortar / Building 500 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-172	923031519-172L1	No	NAD
Location: Building 500 SE / Brick And Mortar / Building 500 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-172	923031519-172L2	No	NAD
Location: Building 500 SE / Brick And Mortar / Building 500 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-173	923031519-173L1	No	NAD
Location: Building 500 SW / Brick And Mortar / Building 500 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-173	923031519-173L2	No	NAD
Location: Building 500 SW / Brick And Mortar / Building 500 Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-174	923031519-174	No	2%
Location: Building 500 NE / Window Putty / Building 500 Exterior Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303290060MB-175	923031519-175	No	2%
Location: Building 500 SE / Window Putty / Building 500 Exterior Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303290060MB-176	923031519-176	Yes	2%
Location: Building 500 SW / Window Putty / Building 500 Exterior Windows And Around Some Windows And Vents			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-177	923031519-177	No	NAD
Location: Building 500 NE / Caulking / Building 500 Exterior Around Doors			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Clear, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-178	923031519-178	No	NAD
Location: Building 500 SE / Caulking / Building 500 Exterior Around Doors			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-179	923031519-179L1	No	NAD
Location: Building 500 S / Caulking / Building 500 Exterior Around Doors			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Clear, Homogeneous, Non-Fibrous, Caulk #1			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-179	923031519-179L2	No	NAD
Location: Building 500 S / Caulking / Building 500 Exterior Around Doors			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk #2			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-180	923031519-180L1	No	NAD
Location: MPR Exterior NE / Brick And Mortar / MPR Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-180	923031519-180L2	No	NAD
Location: MPR Exterior NE / Brick And Mortar / MPR Exterior Walls			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-181 Location: MPR Exterior E / Brick And Mortar / MPR Exterior Walls	923031519-181L1	No	NAD (by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-181 Location: MPR Exterior E / Brick And Mortar / MPR Exterior Walls	923031519-181L2	No	NAD (by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-182 Location: MPR Exterior S / Brick And Mortar / MPR Exterior Walls	923031519-182L1	No	NAD (by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Brick			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-182 Location: MPR Exterior S / Brick And Mortar / MPR Exterior Walls	923031519-182L2	No	NAD (by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-183 Location: MPR North / Stucco / MPR Exterior Overhangs And Walls In Some Areas	923031519-183	No	NAD (by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Lt. Grey, Homogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-184 Location: MPR East / Stucco / MPR Exterior Overhangs And Walls In Some Areas	923031519-184	No	NAD (by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Lt. Grey, Homogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-185	923031519-185	No	NAD
Location: MPR West / Stucco / MPR Exterior Overhangs And Walls In Some Areas			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Lt. Grey, Homogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-186	923031519-186	No	NAD
Location: MPR Northwest / Stucco / MPR Exterior Overhangs And Walls In Some Areas			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Lt. Grey, Homogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-187	923031519-187	No	NAD
Location: MPR Northwest / Stucco / MPR Exterior Overhangs And Walls In Some Areas			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Lt. Grey, Homogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-188	923031519-188	No	NAD
Location: MPR NE / Caulking / MPR Around Doors Exterior			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Tan, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-189	923031519-189	No	NAD
Location: MPR W / Caulking / MPR Around Doors Exterior			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Tan, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-190	923031519-190	No	NAD
Location: MPR SW / Caulking / MPR Around Doors Exterior			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-191	923031519-191	Yes	2%
Location: MPR W / Wall Putty Transition / MPR Exterior Where Brick And Stucco Meet			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Tan, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303290060MB-192	923031519-192	Yes	2%
Location: MPR W / Wall Putty Transition / MPR Exterior Where Brick And Stucco Meet			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Tan, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303290060MB-193	923031519-193	Yes	2%
Location: MPR W / Wall Putty Transition / MPR Exterior Where Brick And Stucco Meet			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Tan, Homogeneous, Non-Fibrous, Putty			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303290060MB-194	923031519-194	No	NAD
Location: Roof E Flashing / Caulking W/Mastic / Portable 205 Roof At Flashings, Bolts, HVAC Units			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
Comment: No mastic in sample			
2303290060MB-195	923031519-195	No	NAD
Location: Roof Center Bolt / Caulking W/Mastic / Portable 205 Roof At Flashings, Bolts, HVAC Units			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
Comment: No mastic in sample			

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
 Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
 211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-196	923031519-196L1	No	NAD
Location: Roof Center At HVAC / Caulking W/Mastic / Portable 205 Roof At Flashings, Bolts, HVAC Units			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Clear, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-196	923031519-196L2	No	NAD
Location: Roof Center At HVAC / Caulking W/Mastic / Portable 205 Roof At Flashings, Bolts, HVAC Units			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types:			
Other Material: Cellulose 10%, Non-fibrous 90%			
2303290060MB-197	923031519-197	No	NAD
Location: Roof W Flashing / Caulking W/Mastic / Portable 206 Roof At Flashings, Bolts, HVAC Units			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
Comment: No mastic in sample			
2303290060MB-198	923031519-198L1	No	NAD
Location: Roof Center At HVAC / Caulking W/Mastic / Portable 206 Roof At Flashings, Bolts, HVAC Units			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Clear, Homogeneous, Non-Fibrous, Caulk #1			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-198	923031519-198L2	No	NAD
Location: Roof Center At HVAC / Caulking W/Mastic / Portable 206 Roof At Flashings, Bolts, HVAC Units			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk #2			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-198	923031519-198L3	No	NAD
Location: Roof Center At HVAC / Caulking W/Mastic / Portable 206 Roof At Flashings, Bolts, HVAC Units			(by CVES) by Patricia Weakley on 04/05/23
Analyst Description: White, Homogeneous, Non-Fibrous, Roof Flashing Asbestos Types: Other Material: Non-fibrous 100%			
2303290060MB-199	923031519-199	No	NAD
Location: Roof E Bolt / Caulking W/Mastic / Portable 206 Roof At Flashings, Bolts, HVAC Units			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100% Comment: No mastic in sample			
2303290060MB-200	923031519-200L1	No	NAD
Location: Roof W Flashing / Caulking / Portable 207 Roof At Bolts, Flashings			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: White, Homogeneous, Non-Fibrous, Caulk #1 Asbestos Types: Other Material: Non-fibrous 100%			
2303290060MB-200	923031519-200L2	No	NAD
Location: Roof W Flashing / Caulking / Portable 207 Roof At Bolts, Flashings			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk #2 Asbestos Types: Other Material: Non-fibrous 100%			
2303290060MB-201	923031519-201	No	NAD
Location: Roof Center Bolt / Caulking / Portable 207 Roof At Bolts, Flashings			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-202	923031519-202	No	NAD
Location: Roof SE Bolt / Caulking / Portable 207 Roof At Bolts, Flashings			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100%			
2303290060MB-203	923031519-203	No	NAD
Location: Roof NE Flashing / Caulking / Portable 208 Roof At Bolts, Flashings			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Tan, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100%			
2303290060MB-204	923031519-204	No	NAD
Location: Roof Center Bolts / Caulking / Portable 208 Roof At Bolts, Flashings			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100%			
2303290060MB-205	923031519-205	No	NAD
Location: Roof SW Bolts / Caulking / Portable 208 Roof At Bolts, Flashings			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100%			
2303290060MB-206	923031519-206	No	NAD
Location: Roof E Flashing / Caulking / Portable 209 Roof Bolts And Flashings			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100%			
2303290060MB-207	923031519-207	No	NAD
Location: Roof NE Bolt / Caulking / Portable 209 Roof Bolts And Flashings			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-208 Location: Roof SW Flashing / Caulking / Portable 209 Roof Bolts And Flashings Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100%	923031519-208	No	NAD (by CVES) by Patricia Weakley on 04/06/23
2303290060MB-209 Location: Roof NE Bolt / Caulking / Portable 210 Roof Bolts And Flashings Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100%	923031519-209	No	NAD (by CVES) by Patricia Weakley on 04/06/23
2303290060MB-210 Location: Roof Center Flashing / Caulking / Portable 210 Roof Bolts And Flashings Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100%	923031519-210	No	NAD (by CVES) by Patricia Weakley on 04/06/23
2303290060MB-211 Location: Roof SW Flashing / Caulking / Portable 210 Roof Bolts And Flashings Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100%	923031519-211	No	NAD (by CVES) by Patricia Weakley on 04/06/23
2303290060MB-212 Location: Roof NE Flashing / Caulking / Portable 211 Roof Bolts And Flashings Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100%	923031519-212	No	NAD (by CVES) by Patricia Weakley on 04/06/23
2303290060MB-213 Location: Roof SE Flashing / Caulking / Portable 211 Roof Bolts And Flashings Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100%	923031519-213	No	NAD (by CVES) by Patricia Weakley on 04/06/23

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-214	923031519-214	No	NAD
Location: Roof SW Bolt / Caulking / Portable 211 Roof Bolts And Flashings			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-215	923031519-215	No	NAD
Location: Roof NE Flashing / Caulking / Portable 212 Roof Bolts And Flashing			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-216	923031519-216	No	NAD
Location: Roof SE Bolt / Caulking / Portable 212 Roof Bolts And Flashing			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-217	923031519-217	No	NAD
Location: Roof SW Bolt / Caulking / Portable 212 Roof Bolts And Flashing			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-218	923031519-218L1	No	NAD
Location: Roof NW HVAC / Caulking W/Mastic / Portable 305 Roof Bolts, Roof Jacks, Flashings, And Roof Jacks			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Tan, Homogeneous, Non-Fibrous, Caulk #1			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-218	923031519-218L2	No	NAD
Location: Roof NW HVAC / Caulking W/Mastic / Portable 305 Roof Bolts, Roof Jacks, Flashings, And Roof Jacks			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Transparent, Homogeneous, Non-Fibrous, Caulk #2			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
 Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
 211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-218	923031519-218L3	No	NAD
Location: Roof NW HVAC / Caulking W/Mastic / Portable 305 Roof Bolts, Roof Jacks, Flashings, And Roof Jacks			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Mastic			
Asbestos Types:			
Other Material: Cellulose 10%, Non-fibrous 90%			
2303290060MB-219	923031519-219	No	NAD
Location: Roof NE HVAC / Caulking W/Mastic / Portable 305 Roof Bolts, Roof Jacks, Flashings, And Roof Jacks			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
Comment: No mastic present in sample			
2303290060MB-220	923031519-220L1	No	NAD
Location: Roof SE Roof Jack / Caulking W/Mastic / Portable 305 Roof Bolts, Roof Jacks, Flashings, And Roof Jacks			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: White, Homogeneous, Non-Fibrous, Coating			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290060MB-220	923031519-220L2	No	NAD
Location: Roof SE Roof Jack / Caulking W/Mastic / Portable 305 Roof Bolts, Roof Jacks, Flashings, And Roof Jacks			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			
Comment: No mastic present in sample			
2303290060MB-221	923031519-221	No	NAD
Location: Roof N Flashing / Caulking / Portable 306 Roof Bolts, Flashings, And Roof Jacks			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0060; Admin, Building 100, 200, 300, 400, 500, MPR,
Covered Walkway 1, 2, Portable 205, 206, 207, 208, 209, 210,
211, 212, 305, 306

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290060MB-222	923031519-222	No	NAD
Location: Roof SE Roof Jack / Caulking / Portable 306 Roof Bolts, Flashings, And Roof Jacks			(by CVES) by Patricia Weakley on 04/06/23
Analyst Description: White, Homogeneous, Non-Fibrous, Coating Asbestos Types: Other Material: Non-fibrous 100%			
2303290060MB-223	923031519-223	No	NAD
Location: Roof SW Roof Jack / Caulking / Portable 306 Roof Bolts, Flashings, And Roof Jacks			(by CVES) by Patricia Weakley on 04/04/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Caulk Asbestos Types: Other Material: Non-fibrous 100%			

Reporting Notes:

(1) Trace amount of asbestos (<1%) suspected to be inseparable contamination from adjacent layer.

Analyzed by: Megan A DeLara
Date: 4/3/2023



Reviewed by: Lateef McIntosh



*NAD = no asbestos detected; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; NA = not analyzed; NA/PS = not analyzed / positive stop; NVA = No Visible Asbestos; PLM (polarized light microscopy) Bulk Asbestos Analysis by EPA 600/R-93/116, including requirements for EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200346-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laboratory. This PLM report relates ONLY to the items tested.



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSc
 EMLab (Glendale)
 LA Testing

Project #: 23-Z0187-0060
Sampled by: Matt Barna
Site Zip Code: 90650
Sample Date: 03/27/2023
 Page 1 of 38

Building Name: Admin
 The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. ~~Stop Analysis of homogeneous groups at first positive that is greater than or equal to 1.0% / MS~~

Optional items to be completed by the laboratory (if check marked):
 Email Report to: info@execenv.com
 Other: ygaileana@execenv.com;
 US Mail Report to: Originating office check marked above Other:
 Alternate billing address: 923031519

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-1	Admin NW	Rock Core	Admin T-o Roof	1	29005t	0
-2	Admin center			1		1
-3	Admin SE			1		1
-4	Admin NW Edge	Rock Core Patch	Admin ^{at} Roof Edges Roof Penetrations, Vent	2	600 SE	0
-5	Admin Center Patch			1		1
-6	Admin SE Vent			1		1

Prefix: 2303 270060MB

Notes:
 Released By Date: 3/30/23 MB Matt Barna 2:37 PM
 Received By Date: 03.30.2023
 Released By Date: 03.30.2023
 Released By Date: 14:50
 Form: AL-006PLM



**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Routine (5 Days) Working
 RUSH (surcharges may apply) Circle 6 hours (24 hours) days
 Project #: 23-Z0187-0060
 Sampled by: Matt Barna
 Site Zip Code: 90650
 Sample Date: 03/27/2023
 Page 2 of 38

Building Name: Admin
 The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% *ME*

Optional items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: ygaleana@execenv.com; 923031519
 US Mail Report to: Originating office check marked above Other: Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-7	Admin NW Conduit Pad	Roof Mastik	Admin Roof at flashings, Roof Jacks, Vent, Conduit Pads	3	60 SF	0
-8	Admin Center Roof Jack			1		
-9	Admin SE Vent			1		
-10	Admin NW	Conduit Pads	Admin Under conduit	4	20 SF	0
-11	Admin SW			1		
-12	Admin Center			1		

Prefix: 230327 0060MB

Notes:
 Released By Date: 03/30/2023 14:50
 Received By Date: 03/30/2023 23:7PM
 Released By Date: 03/30/2023 14:50
 Received By Date: 03/30/2023 14:50
 Danara Meza
 Matt Barna 3/30/23 23:7PM
 Form: AL-006PLM
 Rev. 1/19
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**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office

310 E. Foothill Blvd., Suite 200
Arcadia, CA 91006
Phone: 626.441.7050
Fax: 626.441.0016

Lab Submitted to:

AmeriSci
 EMLab (Glendale)
 LA Testing

Routine (5 Days)
 RUSH (surcharges may apply)
Circle 6 hours 24 hours 48 hours
One day 2 to 5 days

Project #:
23-20187-0060
MAB

Sampled by:
Matt Barna

Site Zip Code:
90650

Sample Date:
03/27/2023

Page 1 of 38

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% *MAB*

Building Name: Building 100 / Building 200

- All lab reports and invoices are to contain the Project Number from above.
- Unsigned and reports marked draft are unacceptable.
- Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked): Email Report to: info@execenv.com Other: ygaleana@execenv.com

US Mail Report to: Originating office check marked above Other: Alternate billing address: 923031519

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-19	Roof N Vent	Roof Mastic	Building 100 Roof Jakes HVAC Jakes, Fans, Flashings, Patches	7	80 SF	0
-20	Roof Center HVAC Jack					
-21	Roof SW Roof Jack					
-22	Roof E	Roof Core	Building 200 Roof T-O	8	6300 SF	0
-23	Roof N					
-24	Roof SW					

Prefix: 23032 Y0060MB

Notes:

Released By Date: MAB Matt Barna 3/28/23 2:37PM

Received By Date & Time: Danara Meza 03.30.2023 14:50

Released By Date & Time:



**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office

310 E. Foothill Blvd., Suite 200
Arcadia, CA 91006
Phone: 626.441.7050
Fax: 626.441.0016

Lab Submitted to:

AmeriSci
 EMLab (Glendale)
 LA Testing

Routine (5 Days)
 Working One Day

RUSH (surcharges may apply)
Circle One
6 hours
24 hours
48 hours
3 to 5 days

Project #:
23-20187-0060

Sampled by:
Matt Barna

Site Zip Code:
90650

Sample Date:
03/27/2023

Page 5 of 8

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- ~~Step-analysis of homogeneous groups at first positive that is greater than or equal to 4.0% - MB~~

Building Name: Building 200

- All lab reports and invoices are to contain the Project Number from above.
- Unsigned and reports marked draft are unacceptable.
- Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: y.galeana@execenv.com; 923031519

US Mail Report to: Originating office check marked above Other:

Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-25	Roof E Edge	Roof Patch Core	Building 200 Roof Edges, HVAC Ducts, Fans	9	1,100 SF	0
-26	Roof IN Fan					
-27	Roof SW HVAC					
-28	Roof SE Flashing	Roof Mastec	Building 200 Flashings, Roof Joints, HVAC, Fans	1	120 SF	0
-29	Roof N Fan					
-30	Roof SW Roof Joint					

Prefix: 2303 27 0060MB

Released By: Date: & Time:

Received By: Date: & Time:

Notes: MB Matt Barna 3/30/23 2:47PM
Demara meza
03.30.2023 14:50

Released By: Date: & Time:



**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office

310 E. Foothill Blvd., Suite 200
Arcadia, CA 91006
Phone: 626.441.7050
Fax: 626.441.0016

Lab Submitted to:

AmeriSci
 EMLab (Glendale)
 LA Testing

Routine (5 Days)
 RUSH (surcharges may apply)
Circle 6 hours 24 hours
One day 3 to 5 days

Project #:
23-Z0187-0060

Sampled by:
Matt Barina

Site Zip Code:
90650

Sample Date:
03/27/2023

Page 6 of 38

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- Stop analysis of homogeneous groups at first positive that is greater than or equal to 10% *mg*

Building Name: *Building 300*

Optional items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: *ygaleana@execenv.com*; *923031519*

US Mail Report to: Originating office check marked above Other: Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-31	Roof E	Roof Core	Building 300 T-0 Roof	11	6300	0
-32	Roof Center			1		
-33	Roof SW			1		
-34	Roof E Edge	Roof Patch Core	Building 300 at Edges Fans, HVAC units	12	1,100	0
-35	Roof Center Fan			1		
-36	Roof W HVAC			1		

Prefix: 2303 0060MB

Released By Date & Time:

Received By Date & Time:

Released By Date & Time:

Matt Barina 3/30/23 2:50PM
Dawana Meza
03-30-2023 14:50

Notes:



**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Project #: 23-Z0187-0060
Sampled by: Matt Barna
Sample Date: 03/27/2023
Site Zip Code: 90650
Building Name: Building 300 / 400
Page # of: 738

The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. ~~Step analysis of homogeneous groups at first positive that is greater than or equal to 1.0% — NMB~~

Optional items to be completed by the laboratory (if check marked): Email Report to: info@execenv.com Other: ygalearna@execenv.com
 US Mail Report to: Originating office check marked above Other: Alternate billing address: 923031519

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-37	Roof SE Flashing	Roof Mastic	Building 300 Roof at Flashing, Roof	B	120 SF	0
-38	Roof Center HVAC Jack		Pipe Jacks, HVAC Jacks, Fan Jacks			
-39	Roof Fan Jack					
-40	Roof E	Roof Core	Building 400 T-0 Roof	H	6300 SF	0
-41	Roof Center					
-42	Roof SW					

Prefix: 2303
 0060MB

Notes:
 NMB Matt Barna 3/20/23 2:37PM
 Dorena Meza
 03-30-2023 14:50



**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office

310 E. Foothill Blvd., Suite 200
Arcadia, CA 91006
Phone: 626.441.7050
Fax: 626.441.0016

Lab Submitted to:

AmeriSci
 EMLab (Glendale)
 LA Testing

Routine (5 Days)
 Working hours
 RUSH (surcharges may apply)
Circle 6 hours 24 hours 3 to 5 days

Project #: 23-20187-0060
MB

Sampled by: Matt Barna

Site Zip Code: 90650

Sample Date: 03/27/2023

Page 2 of 38

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- ~~Step analysis of homogeneous groups at first positive that is greater than or equal to 1.0% - MB~~

Building Name: Building 400

Optional Items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: ygalearna@execenv.com; 973031519

US Mail Report to: Originating office check marked above Other: Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-43	Roof E Edge	Roof Patch Core	Building 400 at edges, HVAC Roof and Fan Roof Joints	15	1100g	0
-44	Roof Center HVAC					
-45	Roof SW Fan					
-46	Roof SE Roof Pipe Joints	Roof Mask	Building 400 Roof at patches, flashings, Roof Pipe Joints, Roof HVAC Fan Joints	16	1205g	0
-47	Roof Center HVAC					
-48	Roof SW Fan					

Prefix: 2303270060MB

Released By: Date: & Time:

Notes: MB Matt Barna 3/27/23 2:37PM

Received By: Date: & Time: Danara Noza 03-30-2023 14:50

Released By: Date: & Time:



**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 IA Testing

Project #:
 23-Z0187-0060
Sampled by:
 Matt Barna

Sample Date:
 03/27/2023
Page of
 38

Routine (5 Days)
 RUSH (surcharges may apply)
 Circle 6 hours 24 hours 3 to 5 days

Building Name: Building 500

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% *M/L*

Optional items to be completed by the laboratory (if check marked): Email Report to: info@execenv.com Other: ygalearna@execenv.com; 923031519

US Mail Report to: Originating office check marked above Other: Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-49	Roof E	Roof Core	Building 500 Roof	17	6300sf	0
-50	Roof Center					
-51	Roof SW					
-52	Roof E Edge	Roof Patch Core	Building 500 Roof at edges, HVAC units fans, Roofing, and Jacks	18	1100sf	0
-53	Roof Center HVAC					
-54	Roof SW Fan					

Prefix: 2303
0060MB

Notes:
M/B Matt Barna 3/30/23 2:30p
 Released By Date: 03-30-2023 14:50
 Released By Date & Time: Dorena meza
 Form: AL-006PLM
 Rev. 1/19
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Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7060
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Project #: 23-Z0187-0060
Sampled by: Matt Barna
Sample Date: 03/28/2023
Site Zip Code: 90650
Building Name: MPR
Page of: 11/38

The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. ~~Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% ANS~~

Optional Items to be completed by the laboratory (if check marked): Email Report to: info@execenv.com Other: ygalearna@execenv.com; 973031519
 US Mail Report to: Originating office check marked above Other:
 Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location of	No.	Quantity	Percent Damaged
-61	Roof I NE Edge	Roof Patch Core	MPR Roof I Edge Chimney and South Roof Jack	11	800sf	0
-62	Roof I S Roof Jack	I		1	I	I
-63	Roof I SW Chimney	I		1	I	I
-64	Roof I NE HVAC	Roof Patch Core	MPR Roof I out North HVAC Jacks and Vent Jacks	12	400sf	0
-65	Roof I NW HVAC	I		1	I	I
-66	Roof I NW Vent	I		1	I	I

Prefix: 2303
28 0060MB

Notes:
 Received By Date: 03.30.2023 14:50
 Released By Date: Diana Meza
 Received By Date: 03.30.2023 14:50
 Released By Date: Diana Meza



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Project #: 23-Z0187-0060
 Sampled by: Matt Barma
 Site Zip Code: 90650
 Sample Date: 03/28/2023
 Page of 1258

Building Name: MPR
 The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% *MS*

Optional items to be completed by the laboratory (if check marked):
 Email Report to: info@execenv.com
 Alternate billing address:
 US Mail Report to:
 Other: 923031519

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-67	MPR Roof 1 NE Seam	Roof Master	MPR Roof 1 at patchy flashing, seams, HVAC units, fans, and Roof Jacks	23	75 SF	0
-68	MPR Roof 1 NW Roof Jack					
-69	MPR Roof 1 S Roof Jack					
-70	Roof 1 Seam S	Caulking	MPR Roof 1 at S Roof Jack	24	10 SF	0
-71	Roof 1 S					
-72	Roof 1 S					

Prefix: 2303
0060MB

Notes:
 Released By Date: 03/30/2023 14:50
 Received By Date: 03/30/2023 14:50
 Released By Date: *Dominic Meza*
 Received By Date: *Dominic Meza*



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Project #: 23-20187-0060
Sampled by: Matt Barna
Site Zip Code: 90650
Sample Date: 03/14/2023
 Page 13 of 38

Routine (5 Working Days)
 RUSH (surcharges may apply) Circle 6 24 hours days
 3 to 5 hours days

Building Name: MPR
The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1-0% *MSD*

Optional items to be completed by the laboratory (if check marked):
 Email Report to: Info@execenv.com Other: ygaleana@execenv.com;
 US Mail Report to: Originating office check marked above Other:
 Alternate billing address: 923031519

Sample No.:	Sample Location - Include Room Information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-73	Roof 2 N	Roof Core	MPR Roof 2 T-O	25	2500 _{SE}	0
-74	Roof 2 SE	I		1	I	I
-75	Roof 2 SW	I		1	I	I
-76	Roof 2 N wall at	Roof Patch Core	MPR Roof 2 at edges and wall	26	400 _{SE}	0
-77	Roof 2 E Edge	I		1	I	I
-78	Roof 2 SW at wall	I		1	I	I

Prefix: 2303
0060MB

Notes:
 Released By Date: 03/30/2023 14:50
 Received By Date: 03/30/2023 14:50
 Released By Date & Time: Danana Meza
 Received By Date & Time: Matt Barna 3/30/23 2:37pm
 Form: AL-006PLM
 Rev. 1/19
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Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Routine (6 Days) Working hours
 RUSH (surcharges may apply) Circle 6 24 48 hours
 3 to 5 days

Project #: 23-20187-0060

Sampled by: Matt Barna

Site Zip Code: 90650

Sample Date: 03/28/2023
 Page 1 of 38

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Originating Office:
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- Step analysis of homogeneous groups at first positive that is greater than or equal to 1.0%.

Building Name: MFR

Optional items to be completed by the laboratory (if check marked):
 Email Report to: Info@execenv.com
 Other: y.galeana@execenv.com; 923031519

US Mail Report to: Originating office check marked above Other:
 Alternate billing address:

Sample No.:	Sample Location - Include Room Information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-79	Roof 2 N Fan Jack	Roof Patch Core	MFR Roof 2 at Pipe	27	200SF	0
-80	Roof 2 E Vent		HVAC UNITS AND ROOF JACKS			
-81	Roof 2 SW Pipe Jack					
-82	Roof 2 N wall Flashing	Roof Mask	MFR Roof 2 at Patches	28	50SF	0
-83	Roof 2 E Fan		Plasings			
-84	Roof 2 W Roof Pipe Jack		HVAC, Fans, and ROOF UNITS JACKS			

Prefix: 2303 20060MB

Notes: Matt Barna 3/30/23 2:50PM

Daviana Meza 3/30/2023 14:50

Released By Date: & Time: 3/30/2023 14:50



**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Project #: 23-Z0187-0060
Sampled by: Matt Barna
Site Zip Code: 90650
Sample Date: 03/28/2023
Building Name: MPR
 Page of 1538

The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% *MM*

Optional items to be completed by the laboratory (if check marked):
 Email Report to: Info@execenv.com Other: ygaleana@execenv.com
 US Mail Report to: Originating office check marked above Other:
 Alternate billing address: 923031519

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-85	Roof 2 SW	HVAC duct	MPR Roof 200 HVAC Ducts	29	2056	0
-86	Roof 2 SW	mask		1	1	1
-87	Roof 2 SW	I		1	1	1

Prefix: 2303 28 0060MB

Notes:
 Received By Date: 03-30-2023 19:50
 Released By Date: 03-30-2023 19:50
 Received By Date: 03-30-2023 19:50
 Released By Date: 03-30-2023 19:50
 Matt Barna 3/30/23 2:27 PM
 Demetra Meza
 Form: AL-006PLM
 Rev. 1/19
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Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Project #: 23-Z0187-0060
Sampled by: Matt Barna
Sample Date: 03/28/2023
 Page 6 of 38

Routine (5 Days)
 RUSH (surcharges may apply) 24 hours
 3 to 5 days

Building Name: Covered Walkway I
The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. ~~Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%.~~

Optional Items to be completed by the laboratory (if check marked):
 Email Report to: info@execenv.com Other: ygaleana@execenv.com; 923031519
 US Mail Report to: Originating office check marked above Other:
 Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-88	Roof NE	Roof Coating (Lead Metal)	Covered Walkway I Roof	30	13005F	0
-89	Roof N					
-90	Roof E					
-91	Roof SW					
-92	Roof SE					

Prefix: 2303
 0060MB

Notes:
 MB Matt Barna 3/28/23 2:57PM
 Received By: Date: 03-30-2023 14:50
 Released By: Date: [Blank]
 Form: AL-006PLM
 Rev. 1/19
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**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Project #: 23-Z0187-0060
Sampled by: Matt Barna
Site Zip Code: 90650
Sample Date: 03/28/2023
 Page 1738 of 1738

Routine (5 Days)
 RUSH (surcharges may apply)
 Circle 6 hours (One Day)
 Circle 24 hours (Three days)
 Circle 3 to 5 days (Five days)

The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. ~~Step analysis of homogeneous groups at first positive that is greater than or equal to 4.0%.~~ *MB*

Optional Items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: ygaleana@execenv.com; 923031519
 US Mail Report to: Originating office check marked above Other: Alternate billing address:

Sample No.	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-93	Roof NE	Roof Master	Covered walkway patches on Roof Deck	31	305F	0
-94	Roof N		and patches on Conduit pads			
-95	Roof S					
-96	Roof NE	Conduit Pads	Covered walkway	32	205F	0
-97	Roof N		T-0			
-98	Roof SE					

Prefix: 2303 0060MB

Notes: *MB Matt Barna 3/28/23 2:30PM*
 Received By Date & Time: *03-30-2023 19:50*
 Released By Date & Time: *Doreen Mezei*
 Form: 1/19 ©Copyright 2019 All Rights Reserved
 Form: AL-006PLM



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmerSci
 EMLab (Glendale)
 LA Testing

Project #: 23-20187-0060
Sampled by: Matt Barna
Sample Date: 03/14/2023
 Page 1 of 38

Site Zip Code: 90650

Building Name: Coverl Walkway I

The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. ~~Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% - N/A~~

Optional items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: yga.leana@execenv.com; 923031519
 US Mail Report to: Originating office check marked above Other: Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-99	CWA 1 NE	Texture Coating	Ceiling of Coverl Walkway I	33	1300 SE	0
-100	CWA 1 N					
-101	CWA 1 W					
-102	CWA 1 E					
-103	CWA 1 S					

Prefix: 2303 0060MB

Notes:
 Received By Date & Time: 03-30-2023 14:50
 Released By Date & Time: [Blank]
 Dariana meza



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Routine (5 Days) Working One hours 24 hours 3 to 5 days
 RUSH (surcharges may apply) 3 to 5 hours 24 hours 3 to 5 days
 Project #: 23-20187-0060
 Sampled by: Matt Barna
 Site Zip Code: 90650
 Sample Date: 03/28/2023
 Page of 38

Building Name: Covered Walkway 2
Originating Office: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006, Phone: 626.441.7050, Fax: 626.441.0016
Lab Submitted to: AmeriSci, EMLab (Glendale), LA Testing
The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% *MM*

Optional items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: ygaleana@execenv.com; 923031519
 US Mail Report to: Originating office check marked above Other: Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-104	CW2 N	Roof coating	T-0 Covered walkway	34	300g	0
-105	CW2 NW	(on metal)	2 Roof Deck			
-106	CW2 W					
-107	CW2 E					
-108	CW2 SE					
-109	CW2 NW	Roof Master	T-0 Covered walkway	35	200g	0
-110	CW2 N	↓	2 on Roof Deck and under conduit Pods	↓	↓	↓

Notes:
 Received By Date: 03-30-2023 14:50
 Received By Date: [Signature] Daviana Meza
 03-30-2023 14:50
 Form: AL-006PLM Rev. 1/19



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91008
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Routine (5 Days)
 Working hours
 RUSH (surcharges may apply) 24 hours
 Circle 6 hours
 Project #: 23-20187-0060
 Sampled by: Matt Bara

Site Zip Code: 900650
 Sample Date: 03/28/2023
 Page 2 of 38

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% *MM*

Building Name: Covered walkway 2

- All lab reports and invoices are to contain the Project Number from above.
- Unsigned and reports marked draft are unacceptable.
- Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional items to be completed by the laboratory (if check marked):
 Email Report to: info@execenv.com
 Alternate billing address: 923031519
 US Mail Report to: Originating office check marked above Other:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-111	CW2 SW	POOF Master (cont.)	I	I	I	I
-112	CW2 N	Fixture (cating)	Covered walkway 2 EXTERIOR - ceiling	36	3005	0
-113	CW2 NW					
-114	CW2 W					
-115	CW2 E					
-116	CW2 SE					

Prefix: 2303 0060MB

Notes:
 Matt Bara 3/30/23 2:37PM
 Received By Date 03.30.2023 (4:50)
 Dairiana Mezard
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 Form: AL-006PLM
 Rev. 1/19



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Routine (5 Days) Working
 RUSH (surcharges may apply) Circle 6 hours 24 hours 3 to 5 days
 Project #: 23-20187-0060
 Sampled by: Matt Barma
 Site Zip Code: 90650
 Sample Date: 03/28/2023
 Building Name: Admin
 Page of 21/38

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- Step analysis of homogeneous groups at first positive that is greater than or equal to 1.0% *None*

Optional items to be completed by the laboratory (if check marked): Email Report to: info@execenv.com Other: ygalearna@execenv.com
 US Mail Report to: Originating office check marked above Other:
 Alternate billing address: 973031519

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-117	Admin NE wall	Brick and Mortar	Admin Exterior walls	37	3000 SF	0
-118	Admin NW wall	I				
-119	Admin SW wall	I				
-120	Admin NW	Window Putty	Admin Exterior windows and around	38	650 SF	<1%
-121	Admin E		Some windows and vents			
-122	Admin W	I				

Prefix: 2303 28 0060MB

Notes:

Received By Date: *MB Matt Barma 3/30/23 2:58A*
 Received By Date & Time: *Davina Meza 03-30-2023 14:50*
 Released By Date & Time:

Rev. 1/19 Form: AL-008PLM



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 628.441.7050
 Fax: 628.441.0016

Lab Submitted to:
 AmeriSc
 EMLab (Glendale)
 LA Testing

Project #: 23-Z0187-0060
Sampled by: Matt Barma
Site Zip Code: 90650
Sample Date: 03/28/2023
Page of: 2238

Building Name: Admin
 The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. ~~Step analysis of homogeneous groups at first positive that is greater than or equal to 1.0% Nch~~

Optional items to be completed by the laboratory (if check marked):
 Email Report to: info@execenv.com
 Alternate billing address: 923031519
 US Mail Report to: Originating office check marked above Other:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-123	Admin SW	caulking	Admin Exterior outside doors	39	155F	0
-124	Admin S	I	I	I	I	I
-125	Admin SE	I	I	I	I	I
-126	Admin S	STUCCO	Admin Exterior Drinking Fountain	40	505F	0
-127	Admin S	I	I	I	I	I
-128	Admin S	I	I	I	I	I

Prefix: 2303
0060MB

Notes:
 Received By Date & Time: 03-30-2023 14:50
 Released By Date & Time: Dairina meza
 Matt Barma 3/20/23 3:31 PM
 Form: AL-006PLM Rev. 1/19



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

LAD Submitted to:
 AmeriSci
 EMI Lab (Glendale)
 LA Testing

Routine (5 Days) Working
 RUSH (surcharges may apply) 24 hours
 3 to 5 days
 Project #: 23-20187-0060
 Sampled by: Matt Barro
 Site Zip Code: 90650
 Sample Date: 03/28/2023
 Page of 2338

Building Name: Building 100

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% *lab*

Optional items to be completed by the laboratory (if check marked): Email Report to: info@execenv.com Other: ygalleana@execenv.com; 923031519

US Mail Report to: Originating office check marked above Other:

Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-129	Building 100 NE	Brick and mortar	Building 100 Exterior walls	39	2500	0
-130	Building 100 SE					
-131	Building 100 W					
-132	Building 100 E	Window Putty	Building 100 Exterior windows and around some windows and vents	40	600	21%
-133	Building 100 SE					
-134	Building 100 W					

Prefix: 2303
0060MB

Notes:

lab Matt Barro 3/30/23 2:58PM
 Received By Date & Time: 03.30.2023 14:50
 Released By Date & Time: *Daivana Meza*

Form: AL-006PLM Rev. 1/19



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Sampled by:
Matt Barua

Project #:
23-20187-0060

Sample Date:
03/28/2023

Page of:
24/38

Building Name: Building 100 / Building 200

- The receiving Laboratory is required to complete the following:**
- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 - Analyze all samples by PLM by EPA 600/R-93/116.
 - Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% *MM*

Optional items to be completed by the laboratory (if check marked): Email Report to: info@execenv.com Other: ygaleana@execenv.com, 923031519

US Mail Report to: Originating office check marked above Other:

Sample No.: -135
Sample Location - Include Room Information where appropriate: Building 100 NE
Material Description: Caulking
Homogeneous Location: Building 100 around doors
Quantity: 41 305F
Percent Damaged: 0

Sample No.: -136
Sample Location - Include Room Information where appropriate: Building 100 SE
Material Description: |
Homogeneous Location: |
Quantity: |
Percent Damaged: |

Sample No.: -137
Sample Location - Include Room Information where appropriate: Building 100 SW
Material Description: |
Homogeneous Location: |
Quantity: |
Percent Damaged: |

Sample No.: -138
Sample Location - Include Room Information where appropriate: Building 200 NW
Material Description: Brick and Mortar
Homogeneous Location: Building 200 exterior walls
Quantity: 42 3500 5F
Percent Damaged: 0

Sample No.: -139
Sample Location - Include Room Information where appropriate: Building 200 S
Material Description: |
Homogeneous Location: |
Quantity: |
Percent Damaged: |

Sample No.: -140
Sample Location - Include Room Information where appropriate: Building 200 SW
Material Description: |
Homogeneous Location: |
Quantity: |
Percent Damaged: |

Prefix: 23032-0060MB

Notes:
 MB Matt Barua 3/30/23 2:07PM
 Received By Date & Time
 Daviana Meza
 03-30-2023 14:50
 Released By Date & Time
 923031519



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSd
 EMLab (Glendale)
 LA Testing

Project #: 23-20187-0060
Sampled by: Matt Barma
Site Zip Code: 90650
Sample Date: 03/28/2023
 Page of 2538

Building Name: Building 200
 The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% *mg*

Optional Items to be completed by the laboratory (if check marked):
 Email Report to: info@execenv.com
 Alternate billing address:
 US Mail Report to: Originating office check marked above Other:
 Other: y.galeana@execenv.com; 923031519

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-141	Building 200 NE	Window Putty	Building 200 windows and around same	93	80g ±	0
-142	Building 200 E		windows and vents			
-143	Building 200 SW					
-144	Building 200 NE	Caulking	Building 200 around doors	44	205g ±	0
-145	Building 200 E					
-146	Building 200 SE					

Prefix: 2303
0060MB

Notes:
 MB Matt Barma 3/23/23
 Received By Date & Time: 03.30.2023 14:50
 Released By Date & Time: Daviana meza
 Form: AL-006PLM
 Rev. 1/19
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Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Project #: 23-20187-0060
Sampled by: Matt Barna
Sample Date: 03/29/2023
Building Name: Building 300
 Page of 8

Routine (5 Days)
 RUSH (surcharges may apply)
 Circle 6 hours 24 hours 3 to 5 days
 One hours hours days

The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-83/116.
 3. Step analysis of homogeneous groups at first positive that is greater than or equal to +0.9%.

Optional items to be completed by the laboratory (if check marked):
 Email Report to: Info@excecenv.com
 Alternate billing address: 923031519
 US Mail Report to: Originating office check marked above Other:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-147	Building 300 NE	Brick and Mortar	Building 300 Exterior walls	45	3500	0
-148	Building 300 SE	I		1	I	I
-149	Building 300 SW	I		1	I	I
-150	Building 300 NE	Window Putty	Building 300 Exterior windows and around some windows and vents	46	800SF	0
-151	Building 300 SE	I		1	I	I
-152	Building 300 SW	I		1	I	I

Prefix: 2303 90060MB

Notes:
 Released By Date: 03/30/2023 19:50
 Received By Date: 03/30/2023 23:37M
 Released By Date: 03/30/2023 19:50
 Received By Date: 03/30/2023 19:50
 Dairina meza



**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7060
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Project #: 23-20187-0060
Sampled by: Matt Barma
Site Zip Code: 90650
Sample Date: 03/29/2023
Building Name: Building 300
Page of: 278

The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. ~~Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%.~~ *mf*

Optional items to be completed by the laboratory (if check marked):
 Email Report to: info@execenv.com
 Alternate billing address:
 US Mail Report to: Originating office check marked above Other:
 Other: y.galeana@execenv.com; 923031519

Sample No.:	Sample Location - Include Room Information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-153	Building 300 NE	Caulking	Building 300 Round door	47	2056	0
-154	Building 300 SE	I				
-155	Building 300 S	I				
-156	Building 300 S	Stucco	Building 300 S Drinking fountain	48	5056	0
-157	Building 300 S	I				
-158	Building 300 S	I				

Prefix: 2303
0060MB

Notes:
 Received By Date: 3/30/23 2:27pm
 Released By Date: 6/30/2023 14:50
 Released By Date: Davara Meza
 Form: AL-006PLM
 Rev. 1/19
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Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Project #: 23-20187-0060
Sampled by: Matt Barua
Site Zip Code: 90650
Sample Date: 03/29/2023
 Page 28 of 38

Routine (5 Working Days)
 RUSH (surcharges may apply) 24 hours
 RUSH (surcharges may apply) 2 to 5 days

Building Name: Building 400
Building Name: Building 400
 4. All lab reports and invoices are to contain the Project Number from above.
 5. Unsigned and reports marked draft are unacceptable.
 6. Report to the attention of: Yessenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked):
 Email Report to: info@execenv.com
 Other: ygaleana@execenv.com; 923031519
 Alternate billing address:

Sample No.:	Sample Location - Include Room Information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-159	Building 400 NE	Brick on the north	Building 400 exterior walls	49	350sf	0
-160	Building 400 E					
-161	Building 400 SE					
-162	Building 400 E	Window Petty	Building 400 exterior windows	50	800sf	0
-163	Building 400 SE		and around some windows and vents			
-164	Building 400 SW					

Prefix: 2303
0060MB

Notes:
 Released By Date: 03-30-2023 14:50
 Received By Date: 03-30-2023 14:50
 Released By Name: Doreine Meza
 Received By Name: Matt Barua 3/30/23 2PM
 Form: 1/19
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 Form: AL-006PLM



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriScd
 EMI Lab (Glendale)
 LA Testing

Routine (5 Days)
 RUSH (surcharges may apply) 24 hours
 3 to 5 days

Project #:
23-20187-0060

Sampled by:
Matt Barna

Site Zip Code: 90650
Sample Date: 03/29/2023
 Page 29 of 35

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- Step analysis of homogeneous groups at first positive that is greater than or equal to 1.0%.

Building Name: Building 400

Optional items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: ygalearna@execenv.com; 973031519

US Mail Report to: Originating office check marked above Other: Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-165	Building 400 E	Spalling	Building 400 exterior around doors	51	205F	0
-166	Building 400 SE					
-167	Building 400 S					
-168	Building 400 SE	Stucco	Building 400 SE Driveway Fountain	52	505F	0
-169	Building 400 SE					
-170	Building 400 SE					

Prefix: 2303290060MB

Notes:
 Received By Date: 03.30.2023 14:50
 Released By Date: [Blank]
 Received By Date: [Blank]
 Released By Date: [Blank]
 Damaris Meza



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Project #: 23-20187-0060
Sampled by: Matt Bara

Routine (5 Days)
 Working hours
 RUSH (surcharges may apply) 24 hours
 Circle 6 hours
 One day
 2 to 5 days

Building Name: Building 500
Site Zip Code: 90650
Sample Date: 03/29/2023
 Page of 38

The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% - ~~1.0%~~

Optional items to be completed by the laboratory (if check marked):
 Email Report to: info@execenv.com Other: ygalearna@execenv.com; 923031519
 US Mail Report to: Originating office check marked above Other:
 Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-171	Building 500 NE	Brick and Mortar	Building 500 exterior walls	53	350 SF	0
-172	Building 500 SE			1	1	1
-173	Building 500 SW			1	1	1
-174	Building 500 NE	Window Putty	Building 500 exterior windows and doors	54	800 SF	0
-175	Building 500 SE		Some windows and vents	1	1	1
-176	Building 500 SW			1	1	1

Prefix: 2303
0060MB

Notes:
 Released By Date: Matt Bara 3/29/23 2:37 PM
 Received By Date: Darcina Meza 03-30-2023 14:50
 Released By Date: [Blank]
 Received By Date: [Blank]



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office

310 E. Foothill Blvd., Suite 200
Arcadia, CA 91006
Phone: 626.441.7050
Fax: 626.441.0016

Lab Submitted to:

AmeriSci
 EMLab (Glendale)
 LA Testing

Routine (5 Days)
 RUSH (surcharges may apply)
Circle 6 24 48 72 hours (days)
One 3 to 5 hours (days)

Project #:
23-20187-0060

Sampled by:
Matt Barna

Site Zip Code:
90650

Sample Date:
03/29/2023

Page of
3/38

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-83/116.
- Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%. *MM*

Building Name: Building 500/MFR

- All lab reports and invoices are to contain the Project Number from above.
- Unsigned and reports marked draft are unacceptable.
- Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: ygaleana@execenv.com; 973031519

US Mail Report to: Originating office check marked above Other: Alternate billing address:

Sample No.:	Sample Location - Include Room Information where appropriate	Material Description	Homogeneous Location	Quantity	Percent Damaged
-177	Building 500 NE	caulking	Building 500 around doors	5 205F	0
-178	Building 500 SE	I	I	I	I
-179	Building 500 S	I	I	I	I
-180	MFR Exterior NE	Brick and mortar	MFR Exterior walls	56 8000 SF	0
-181	MFR Exterior E	I	I	I	I
-182	MFR Exterior S	I	I	I	I

Prefix: 2303270060MB

Notes:

Released By Date: 03.30.2023 14:50

Received By Date & Time: 03.30.2023 14:50

Released By Date & Time:

Released By Date & Time:



**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Project #: 23-20187-0060
Sampled by: Matt Barma
Sample Date: 03/29/2023
Page of: 3278

Building Name: MPR
Site Zip Code: 90650

The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-83/118.
 3. ~~Step analysis of homogeneous groups at first positive that is greater than or equal to 1.0%.~~

Optional Items to be completed by the laboratory (if check marked): Email Report to: info@execenv.com Other: Ygaleana@execenv.com; 923031519
 US Mail Report to: Originating office check marked above Other: Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-183	MPR North	Stucco	MPR Overhangs and walls in some areas	57	3000 SF	0
-184	MPR East					
-185	MPR West					
-186	MPR Northwest					
-187	MPR North West					
-188	MPR NE	Caulking	MPR around door exterior	58	50 SF	0
-189	MPR SW					

Prefix: 2303 0060MB

Notes:
 Received By: Matt Barma 3/29/23 12:35pm
 Released By: Davina Moya
 Received By: 03-30-2023 14:50
 Released By: [Signature]
 Form: 1/19
 Form: AL-006PLM



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7060
 Fax: 626.441.0016

Lab Submitted to:
 AmeriScd
 EMLab (Glendale)
 LA Testing

Routine (5 Days) Working hours
 RUSH (surcharges may apply) 24 hours
 Circle 6 hours 24 hours 3 to 5 days
 Project #: 23-20187-0060
 Sampled by: Matt Barma
 Site Zip Code: 90650
 Sample Date: 03/29/2023
 Page of 3338

The receiving Laboratory is required to complete the following:

- All invoices to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-83/116.
- Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% *MM*

Optional items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: ygaleana@execenv.com; 923031519

US Mail Report to: Originating office check marked above Other:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-190	MPR SW	caulkings	MPR around doors EXTER I	↑	↑	↑
-191	MPR W	Wall Putty Transition	MPR EXTER where BRK and Stucco meet	59	30sf	0
-192	MPR W	I	I	I	I	I
-193	MPR W	I	I	I	I	I

Prefix: 230329 0060MB

Notes:

Released By Date: *MMB, Matt Barma 3/28/23 2PM*
 Received By Date & Time: *Dawina Meza 03.30.2023 4:50*
 Referred By Date & Time:

Rev. 1/19 Form: AL-006PLM



**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office

310 E. Foothill Blvd., Suite 200
Arcadia, CA 91006
Phone: 626.441.7050
Fax: 626.441.0016

Lab Submitted to:

AmeriSci
 EMLab (Glendale)
 LA Testing

Routine (5 Days)
 RUSH (surcharges may apply)
Circle 6 hours
Circle 24 hours
Circle 48 hours
Circle 72 hours

Project #: 23-20187-0060

Sampled by: Matt Barma

Sample Date: 03/29/2023

Page 1 of 38

Building Name: Portable 205 / Package 206

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% *M/S*

- All lab reports and invoices are to contain the Project Number from above.
- Unsigned and reports marked draft are unacceptable.
- Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: y.galeana@execenv.com; 923031519
 US Mail Report to: Originating office check marked above Other: Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-194	Roof E Flashing	Caulking w/	Portable 205 Roof at Flashings Bolts, HVAC Units	60	305f	0
-195	Roof Center Bolt	Mastec		1	1	1
-196	Roof Center at HVAC			1	1	1
-197	Roof W Flashing	Caulking w/	Portable 206 Roof at Flashings Bolts, HVAC Units	61	305f	0
-198	Roof center at HVAC	Mastec		1	1	1
-199	Roof E Bolt			1	1	1

Prefix: 2303 290060MB

Released By Date: *M/S Matt Barma 3/30/23 23pm*

Received By Date: *Dauner Meza 03-30-2023 14:50*

Released By Date: & Time:



Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSc
 EMLab (Glendale)
 LA Testing

Routine (5 Days)
 RUSH (surcharges may apply)
 Circle 6 hours
 Circle 24 hours
 Circle 3 to 5 days

Project #:
 23-20187-0060
MMB

Sampled by:
 Matt Barna

Sample Date:
 03/29/2023
 Page 35 of 38

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% *MMB*

Building Name: Portable 207 / Portable 208

Optional Items to be completed by the laboratory (if check marked):
 Email Report to: info@execenv.com
 Alternate billing address:
 US Mail Report to: info@execenv.com
 Other: y.galeana@execenv.com; 923031519

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-200	ROOF W Flashing	Caulking	Portable 207 Roof at Belts, Flashings	62	20SF	0
-201	Roof Center Bolt	I	I	I	I	I
-202	Roof SE Bolt	I	I	I	I	I
-203	Roof NE Flashing	Caulking	Portable 208 Roof at Belts, Flashings	63	20SF	0
-204	Roof Center Bolt	I	I	I	I	I
-205	Roof SW Bolt	I	I	I	I	I

Prefix: 2303 29 0060MB

Notes:
 Received By: Date: *MMB Matt Barna 3/30/23 2:37PM*
 Released By: Date: *Diana Nozack 03-30-2023 14:50*
 Received By: Date: *[Blank]*
 Released By: Date: *[Blank]*



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Routine (5 Days)
 RUSH (surcharges may apply)
 Circle 6 24 48 72 hours days
 One hours hours days

Project #: 23-Z0187-0060
Sampled by: Matt Barna

Sample Date: 03/29/2023
Page of 36

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- Stop-analysis-of-homogeneous groups at first positive that is greater than or equal to 1.0% *MMH*

Building Name: Portable 209 / Portable 210

Optional items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: ygaleana@execenv.com

US Mail Report to: Originating office check marked above Other: Alternate billing address: 923031510

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-206	Roof E Flashing	Caulking	Portable 209 Roof Belts and flashings	64	20 SF	0
-207	Roof NE Belt					
-208	Roof SW Flashing					
-209	Roof NE Belt	Caulking	Portable 210 Roof Belts and flashings	65	20 SF	0
-210	Roof Center Flashing					
-211	Roof SW Flashing					

Prefix: 230329 0060MB

Notes:
 Released By: Date: *03-30-2023 14:50*
 Received By: Date: *03-30-2023 14:50*
 Released By: Date: *Daima Mezaffi*
 Form: AL-006PLM



**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Project #: 23-20187-0060
Sampled by: Matt Barna
Site Zip Code: 90650
Sample Date: 03/29/2023
Building Name: Portable 211/Parthage 212
Page of: 37 of 78

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- Step analysis of homogeneous groups at first positive that is greater than or equal to 1.0%.

Optional items to be completed by the laboratory (if check marked): Email Report to: info@execenv.com Other: ygalearna@execenv.com, 923031519
 US Mail Report to: Originating office check marked above Other:
 Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-212	Roof NE Flashing	Caulking	Portable 211 Roof Belts and Flashing	66	2056	0
-213	Roof SE Flashing					
-214	Roof SW Belt					
-215	Roof NE Flashing	Caulking	Parthage 212 Roof Belts and Flashing	67	2056	0
-216	Roof SE Belt					
-217	Roof SW Belt					

Prefix: 2303
 0060MB

Notes:
 Received By Date & Time: 03-30-2023 14:50
 Released By Date & Time: Dwendra Neredi
 03-30-2023 14:50



Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Project #: 23-20187-0060
Sampled by: Matt Barna
Site Zip Code: 90650
Sample Date: 03/29/2023
Building Name: Portable 305 / Portable 306
 Page 058 of 058

The receiving Laboratory is required to complete the following:
 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. ~~Step-analysis of homogeneous groups at first positive that is greater than or equal to 1.0%.~~ *Sub*

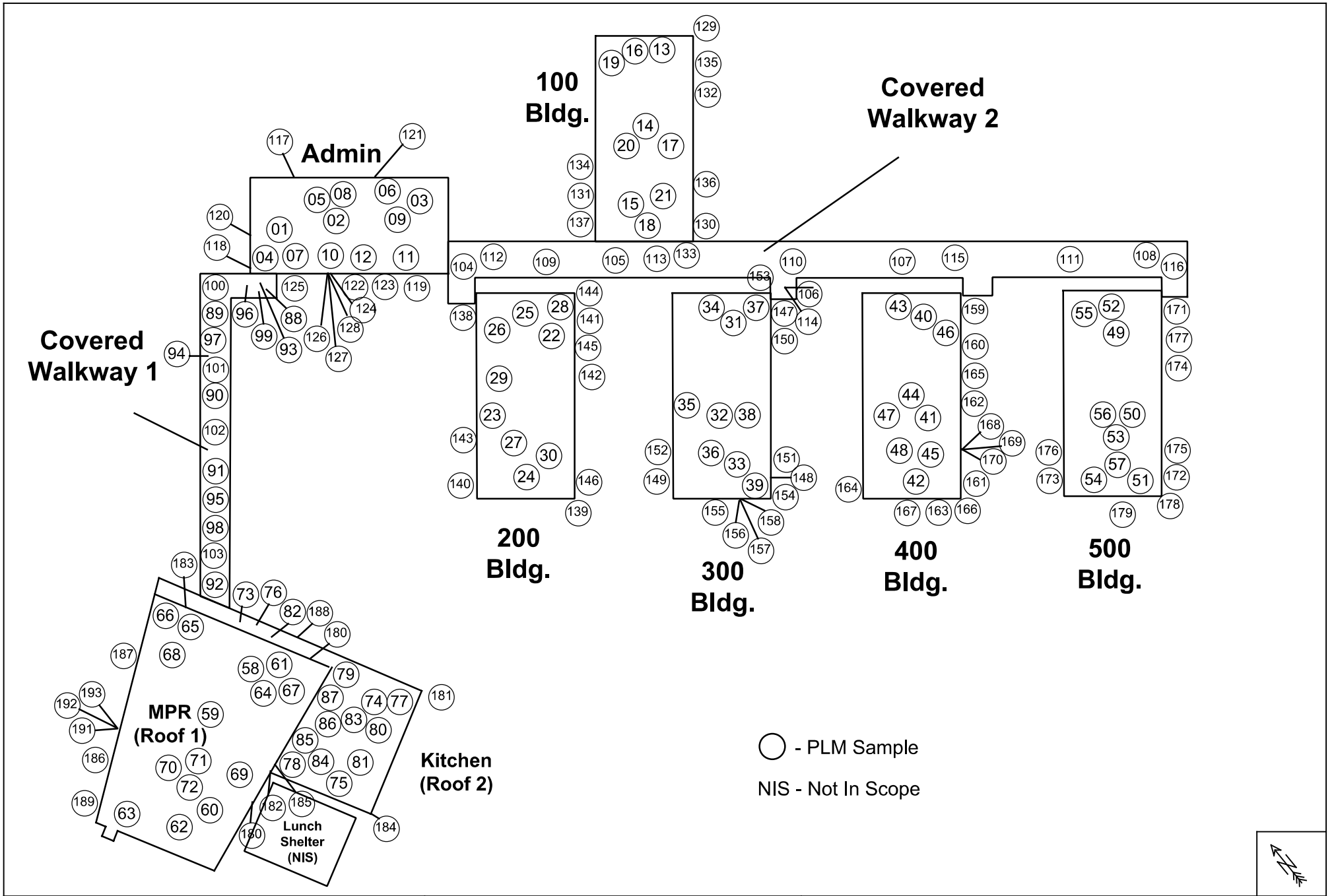
Optional items to be completed by the laboratory (if check marked):
 Email Report to: info@execenv.com Other: y.galeana@execenv.com
 US Mail Report to: Originating office check marked above Other:
 Alternate billing address: 923031519

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-218	Roof NW HVAC	Caulking w/ MayNR	Portable 305 Roof Bolts, Roof Joints, Flashings and HVAC UNDR	68	30 SF	0
-219	Roof NE HVAC					
-220	Roof SE Pack Sack					
-221	Roof N Flashing	Caulking	Portable 306 Roof Bolts, Flashings and Roof Joints	69	20 SF	0
-222	Roof SE Pack Sack					
-223	Roof SW Pack Sack					

Prefix: 2303
0060MB

Notes:
 Matt Barna 3/30/23 2:30 PM
 Diana Moya
 03-30-2023 14:58
 Released By: Date: & Time:
 Received By: Date: & Time:
 Form: AL-006PLM
 Rev. 1/19
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APPENDIX B – SITE DRAWING



Client: Little Lake City SD

Project #: 23-Z0187-0060

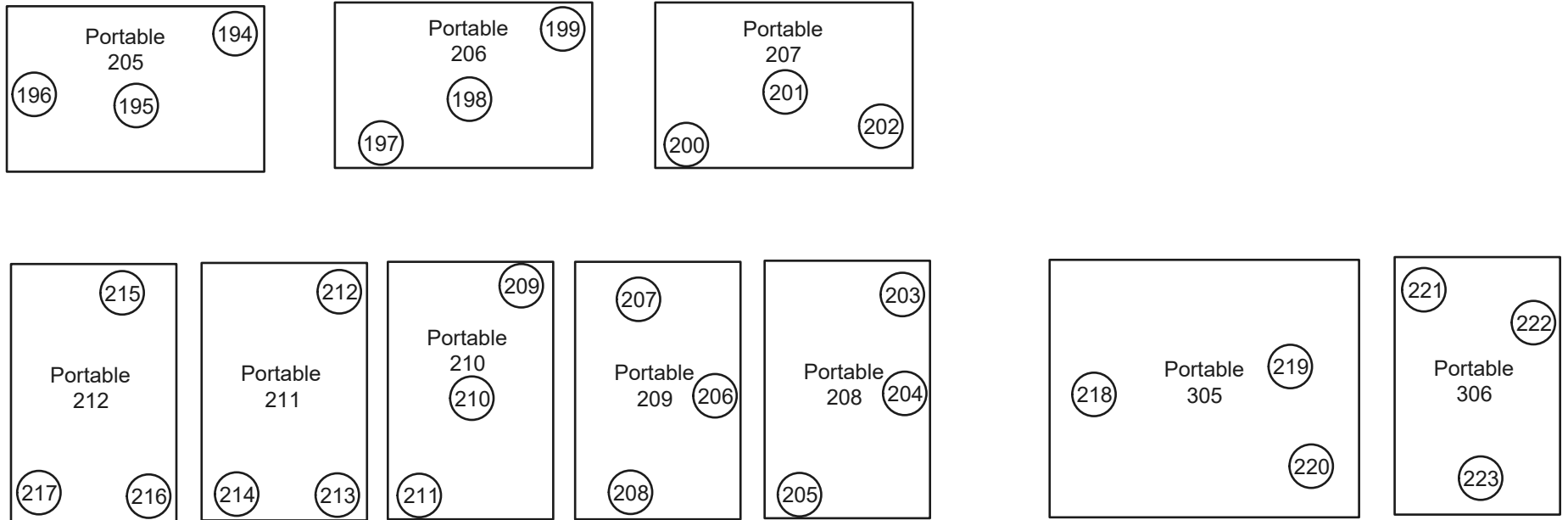
Info: PLM Sample Locations

EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Site: Cresson ES
Address: 11650 Cresson St
Norwalk, CA 90670

Drawing Not to Scale - © 2012

Site Map



○ - PLM Sample



Client: Little Lake City SD

Project: 23-Z0187-0060

Info: PLM Sample Locations



EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Site: Cresson ES
Address: 11650 Cresson St
Norwalk, CA 90670

Drawing Not to Scale - © 2012

APPENDIX C – STAFF CERTIFICATION

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

Matthew C Barna

Name

Certification No. 19-6738

Expires on 01/15/24



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



Industrial Hygiene • Air Quality • Lead & Asbestos • Training • Health & Safety

LIMITED LEAD-BASED PAINT INSPECTION REPORT

Conducted at:

CRESSON ELEMENTARY SCHOOL
EXTERIOR PAINTING AND MINOR REPAIR PROJECT
11650 CRESSON STREET
NORWALK, CALIFORNIA 90650

Prepared for:

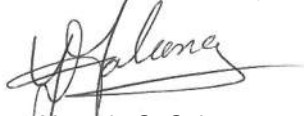
MR. BRENT GRIFFEN
DIRECTOR OF MAINTENANCE AND OPERATIONS AND CUSTODIAL SERVICES
LITTLE LAKE CITY SCHOOL DISTRICT
10515 SOUTH PIONEER BOULEVARD
SANTA FE SPRINGS, CALIFORNIA 90670

Prepared by:

EXECUTIVE ENVIRONMENTAL
310 EAST FOOTHILL BOULEVARD, SUITE 200
ARCADIA, CALIFORNIA 91006

Project Number EE 23-Z0187-0060
April 18, 2023

Report assembled by:


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Senior Project Manager
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LIMITED LEAD-BASED PAINT INSPECTION

Project Number: EE 23-Z0187-0060

Client: Little Lake City School District
10515 South Pioneer Boulevard
Santa Fe Springs, California 90670

Site Location: Cresson Elementary School
Exterior Painting and Minor Repair Project
11650 Cresson Street
Norwalk, California 90650

Site Use: School Property

Contact Person: Mr. Brent Griffen
Director of M&O and Custodial Services
Phone: (562) 868-8241

Inspection Date Between: April 1 thru 5, 2023

Inspected By: Mr. Matthew Barna
Certified Lead Professional, CDPH # 0010190

Report Assembled By: Ms. Yesenia G. Galeana
Technical Report Writer

Report Generated/Reviewed By: Mr. Tim Galeana
Certified Lead Professional, CDPH/LRC # 3732

I. EXECUTIVE SUMMARY

Executive Environmental (EE) was retained by the Little Lake City School District to conduct a limited lead-based paint inspection of permanent buildings, portables and covered walkway at Cresson Elementary School, located at 11650 Cresson Street, Norwalk, California 90650. The inspection was conducted as a precursor to the upcoming Exterior Painting and Minor Repair Project. EE provided a California Department of Public Health Certified Lead Inspector to conduct the inspection. Regulated lead-based paint was detected during this inspection. EE's Certified Lead Professional (CLP) conducted these services on April 1 thru 5, 2023. *This is considered a limited inspection. The inspection was limited to exterior surfaces and components anticipated to be impacted by the Exterior Painting and Minor Repair Project, as directed by the client.*

II. SAMPLING PROTOCOL

According to the United States Department of Housing and Urban Development's (HUD) guideline document, Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing, and Section 1017 of Title X, Residential Lead-Based Paint Hazard

Reduction Act of 1992, Public Law 102-550, paint found to have a lead concentration of at least 1.0 mg/cm² (milligrams per centimeter squared) by X-Ray Fluorescence (XRF) analysis, or 0.5 percent (5000 parts per million) by weight, is regulated as lead-based paint.

Los Angeles County Childhood Lead Poisoning Prevention Program established in 1991, further regulates that paint found to have a lead concentration greater than 0.7 mg/cm² via XRF readings, or 0.06 weight-to-weight percent by Atomic Absorption Spectrometry (AAS) analysis, is considered to be lead-based paint. The Los Angeles County 0.7 mg/cm² action level was used for determining the lead-based paint in this inspection because it is more stringent than the HUD guidelines.

Any material containing any detectable level of lead is subject to the Occupational Safety and Health Administration's (OSHA) Lead Exposure in Construction Rule 29 Code of Federal Regulation (CFR) 1926.62 and California Code of Regulations Title 8, Section 1532.1 Lead (8CCR1532.1) and Title 8, Section 5198, Lead (8CCR5198). All work that disturbs this type of material must be performed in accordance with this and any other applicable standards.

All facilities built prior to 1979 for residential buildings and prior to 1993 for schools are suspect for lead-containing materials. Federal and state regulations recognize only the following methods of identification: analysis by an XRF instrument, paint bulk sample collection and analysis, or a combination of both. This inspection was conducted via XRF instrumentation. The parameters used to interpret the XRF results are outlined in the HUD guidelines and the XRF Performance Characteristics Sheets (PCS).

III. SAMPLING METHODOLOGY

A visual inspection of the exterior of the permanent buildings, portables and covered walkway was conducted by EE's CLP to identify major site features and surfaces and/or components suspected of being coated with lead-based paint that will be impacted by the roofing and painting projects. After identifying the materials suspected of being coated with a lead-based paint, EE grouped the components, substrates, and room equivalents into testing combinations. A testing combination is defined as the room equivalent, component, and substrate. A room equivalent is an identifiable part of a building (e.g., classrooms, restrooms, mechanical rooms, exterior). Color does not accurately indicate painting history and is not included when assigning testing combinations. If there was any reason to suspect that materials may have been installed or painted at different times even though they appeared uniform, they were assigned to separate testing combinations.

Following the visual inspection, screening for the presence of lead-based paint was performed on-site using a portable XRF instrument. The XRF has the ability to measure lead content in paint within the range of 0 to 50 milligrams per centimeter squared (mg/cm²). The on-site inspection capability of the XRF instrument typically reduces the number of paint-chip samples that may need to be collected and sent for laboratory analysis. The portable XRF instrument used in this inspection was manufactured by Niton Corporation.

The following specifications apply to the Niton XRF:

- Ability to report both the K and L shell line x-ray emission energies simultaneously and report the lead concentration in mg/cm².

- Accuracy for a single reading on all building materials within 0.2 mg/cm², at 95 percent confidence, at 0 to 1 mg/cm².
- Equipped with a 40 milli-curie (mCi) cadmium, 109-sealed, radioactive source. Substrate effects are automatically corrected through a complex algorithm and calibration.

IV. SAMPLE ANALYSIS

According to local state, and federal standards, the following surfaces and/or components that were analyzed with the Niton XRF instrument during this inspection are considered to be coated with a regulated lead-based paint.

XRF SAMPLE ANALYSIS DATA				
Cresson Elementary School 11650 Cresson Street Norwalk, California 90650				
Location	Component	Substrate	Estimate Quantity	XRF Result Mg/cm ²
Administration Building				
Throughout exterior	Window frame/casing	Metal	80 Total	1, 0.9
Exterior, side A	Wall hydrant (red)	Metal	1 Total	17.3
Exterior, side C	Downspout (red)	Metal	2 Total	2
Rooftop	Roof pipe jack flashing	Metal	13 Total	81.2
Exterior, side C	Light fixture	Metal	1 Total	1.4
Multi-Purpose Building				
Throughout exterior	Vent (red)	Metal	9 Total	1.1
Exterior, side B	Downspout (red)	Metal	2 Total	1.7
Rooftops 1 and 2	Roof pipe jack flashing	Metal	17 Total	82.8, 80.1

Note: This table must be used in conjunction with the entire report.

XRF results continue on the next page.

XRF SAMPLE ANALYSIS DATA				
Cresson Elementary School 11650 Cresson Street Norwalk, California 90650				
Location	Component	Substrate	Estimate Quantity	XRF Result Mg/cm²
100 Building				
Exterior, side B	Downspout (red)	Metal	3 Total	1.5
Exterior, sides B, C, D	Window frame/casing	Metal	220 Totals	3.2, 2.5
Exterior, sides C & D	Wall hydrant (red)	Metal	2 Total	16
Rooftop	Roof pipe jack flashing	Metal	17 Total	64
200 Building				
Exterior, sides C & D	Wall hydrant (red)	Metal	3 Total	12
Exterior, sides B & D	Window frame/casing	Metal	184 Totals	0.9
Rooftop	Roof pipe jack flashing	Metal	25 Total	48.7
300 Building				
Exterior, sides B & D	Window frame/casing	Metal	184 Totals	0.9
Rooftop	Roof pipe jack flashing	Metal	25 Total	30.5
400 Building				
Exterior, sides B & D	Window header	Wood	550 Square Feet	1.3
Exterior, sides B & D	Window frame/casing	Metal	184 Totals	2.1,8
Exterior, side B	Downspout (red, peeling)	Metal	2 Total	1.8
Exterior, side B	Ribbed conduit	Metal	2 Total	1.3
Rooftop	Roof pipe jack flashing	Metal	25 Total	35

Note: This table must be used in conjunction with the entire report.

XRF results continue on the next page.

XRF SAMPLE ANALYSIS DATA				
Cresson Elementary School 11650 Cresson Street Norwalk, California 90650				
Location	Component	Substrate	Estimate Quantity	XRF Result Mg/cm²
500 Building				
Exterior, sides B & D	Window frame/casing	Metal	184 Totals	2.7, 2.1, 2.3
Exterior, side B	Transom	Wood	64 Square Feet	1
Exterior, sides B & D	Window header	Wood	550 Square Feet	1
Exterior, side B	Ribbed conduit	Metal	2 Total	2
Rooftop	Roof pipe jack flashing	Metal	25 Total	81
Covered Walkways				
Covered Walkway no. 1	Ceiling (cracked)	Metal	1,300 Square Feet	1.3
No regulated lead-based paint was identified on the surfaces or components of Covered Walkway no. 2				
Portables				
No regulated lead-based paint was identified on the exterior surfaces or components of Portables 205, 206, 207, 208, 209, 210, 211, 212, 305, 306.				

Note: This table must be used in conjunction with the entire report.

V. CONCLUSIONS/RECOMMENDATIONS

EE conducted a limited lead-based paint inspection of permanent buildings, portables and covered walkway at Cresson Elementary School, located at 11650 Cresson Street, Norwalk, California 90650. The following conclusions and/or recommendations apply:

Limited Lead-Based Paint Inspection

- Exterior painted surfaces and components of the permanent buildings, portables and covered walkway at Cresson Elementary School were tested via the Niton XRF for the presence of lead.
- The items listed in the previous tables were identified as being coated with a regulated lead-based paint.
- The surfaces/components were observed to be in intact to poor condition during this inspection.
- A fully representative number of XRF readings were taken at the project site. The results of these assays are presented in the XRF Summary Results spreadsheets.

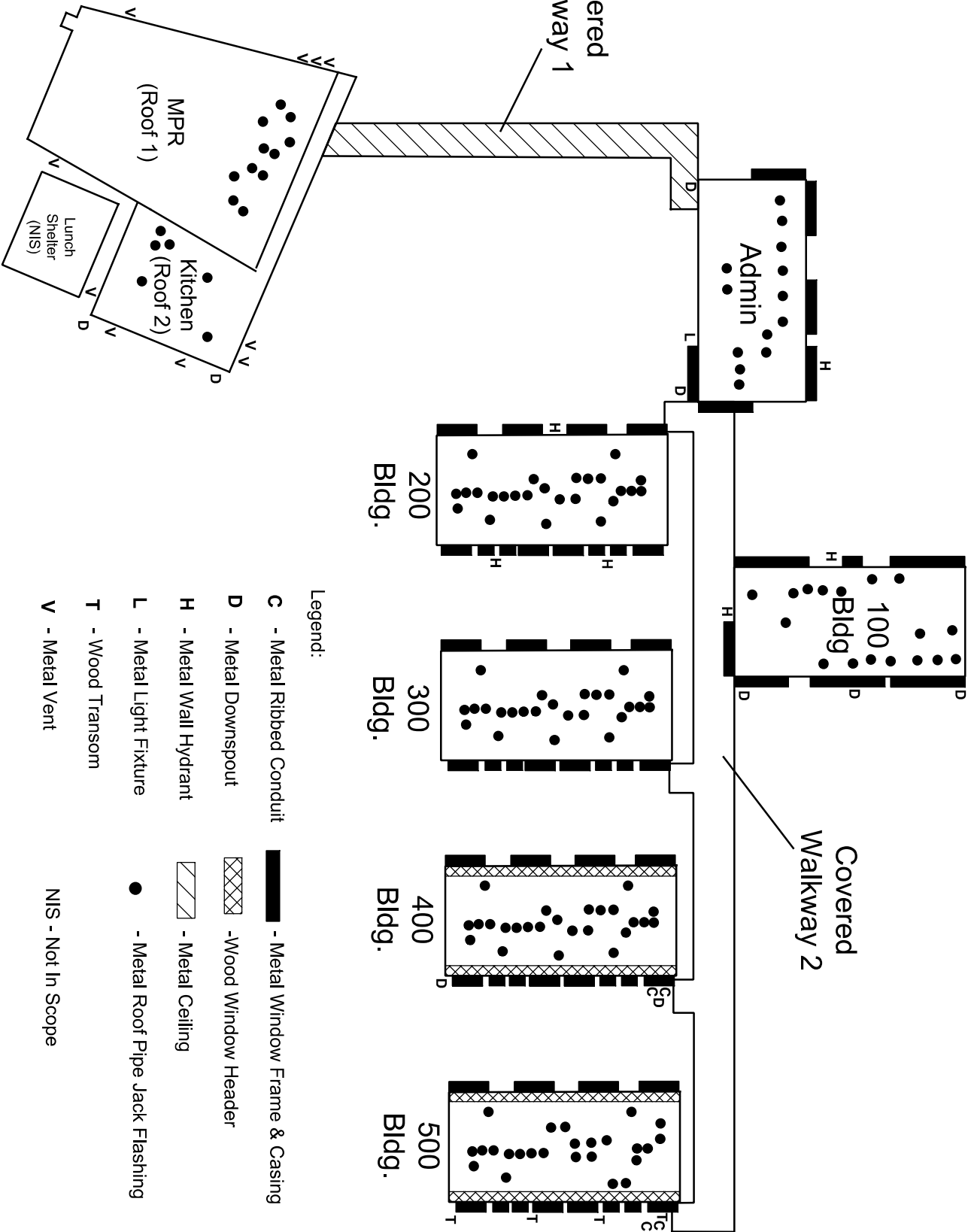
It is recommended that all renovation, remodeling, construction, or demolition actions that might potentially disturb surfaces covered with lead-based paint and/or ceramic glaze be performed by properly trained and qualified personnel.

VI. DISCLAIMER/REPORT LIMITATIONS

All reports and recommendations are based on conditions and practices observed and information made available to Executive Environmental (EE) by the client and the designated sites/facilities on the days sampling was conducted. This report does not purport to set forth all hazards, nor to indicate that other hazards do not exist. No responsibility is assumed by EE for the control or correction of conditions or practices existing at the facilities, or at any other premises surveyed by EE, for and on the behalf of the client. Services provided by EE shall be governed by the standard of practice for professional services measured at the time those services are rendered.

All information contained in this report is proprietary and limited to the scope of services, parameters of the analytical methods used and the conditions present at the time of this inspection. Any references to quantities are considered estimates and are not to be construed as actual.

APPENDIX A – SITE DRAWINGS



Legend:

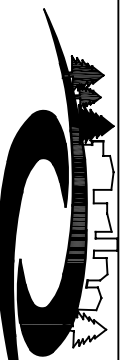
- C - Metal Ribbed Conduit
- D - Metal Downspout
- H - Metal Wall Hydrant
- L - Metal Light Fixture
- T - Wood Transom
- V - Metal Vent
- Metal Window Frame & Casing
- Wood Window Header
- Metal Ceiling
- Metal Roof Pipe Jack Flashing
- NIS - Not In Scope



Client: Little Lake City SD

Project: 23-Z0187-0060

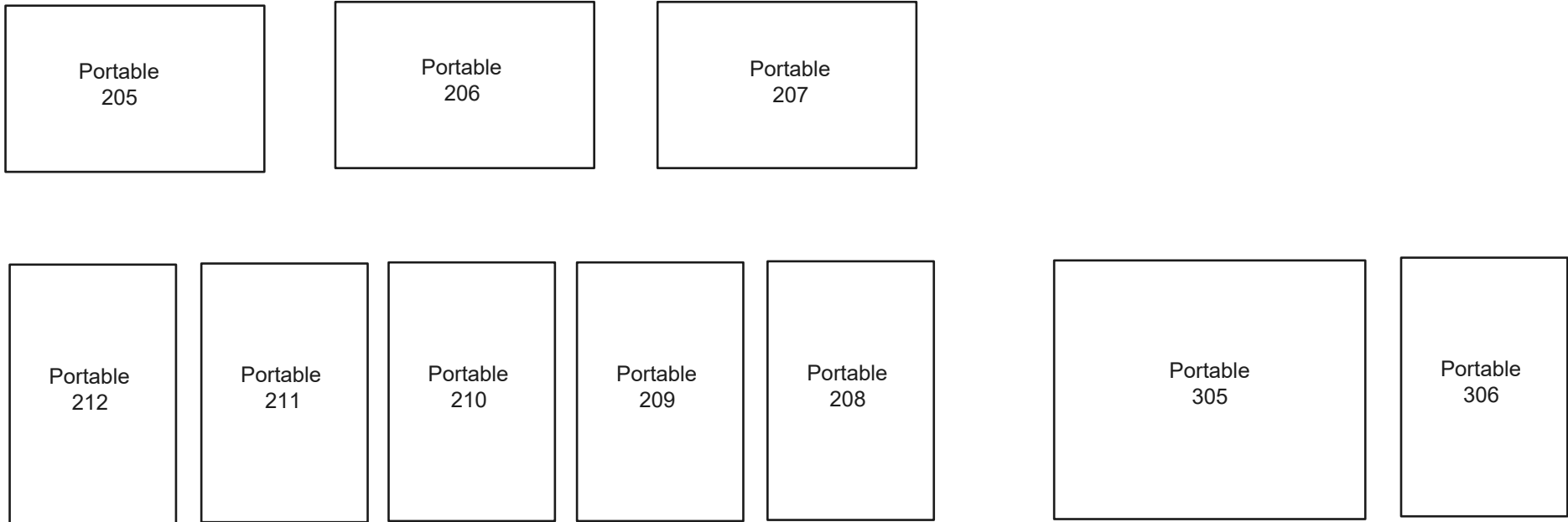
Info: Lead-Based Paint Identified (Page 1 of 2)



EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Site: Cresson ES
11650 Cresson St
Norwalk, CA 90670

Site Map



Client: Little Lake City SD

Project: 23-Z0187-0060

Info: No Lead-Based Paint Identified (Page 2 of 2)



EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Site: Cresson ES
Address: 11650 Cresson St
Norwalk, CA 90670

Drawing Not to Scale - © 2012

APPENDIX B – XRF SUMMARY RESULTS

Little Lake City School District
Cresson Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
1	4/1/23	Paint			Shutter calibrate							0.68
2	4/1/23	Paint			Calibrate					Positive	0.7	1
3	4/1/23	Paint			Calibrate					Positive	0.7	1.1
4	4/1/23	Paint			Calibrate					Positive	0.7	1
5	4/1/23	Paint	Portable 305	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	< LOD
6	4/1/23	Paint	Portable 305	Exterior	Door frame trim	Wood	A	Intact	Beige	Negative	0.7	< LOD
7	4/1/23	Paint	Portable 305	Exterior	Door frame	Metal	A	Intact	Beige	Negative	0.7	< LOD
8	4/1/23	Paint	Portable 305	Exterior	Door	Metal	A	Intact	Green	Negative	0.7	< LOD
9	4/1/23	Paint	Portable 305	Exterior	Building frame	Metal	A	Intact	Beige	Negative	0.7	< LOD
10	4/1/23	Paint	Portable 305	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	< LOD
11	4/1/23	Paint	Portable 305	Exterior	Downspout	Metal	C	Intact	Beige	Negative	0.7	< LOD
12	4/1/23	Paint	Portable 305	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	< LOD
13	4/1/23	Paint	Portable 305	Exterior	Conduit	Metal	C	Intact	Beige	Negative	0.7	< LOD
14	4/1/23	Paint	Portable 305	Exterior	Electrical box	Metal	C	Intact	Beige	Negative	0.7	< LOD
15	4/1/23	Paint	Portable 305	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	0
16	4/1/23	Paint	Portable 305	Exterior	Ribbed conduit	Metal	C	Intact	Beige	Negative	0.7	0
17	4/1/23	Paint	Portable 305	Exterior	Overhang	Wood	A	Intact	Beige	Negative	0.7	0
18	4/1/23	Paint	Portable 305	Exterior	Drip edge	Plaster	A	Intact	Green	Negative	0.7	0
19	4/1/23	Paint	Portable 305	Exterior	HVAC unit	Metal	Roof	Intact	Beige	Negative	0.7	0
20	4/1/23	Paint	Portable 306	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	0
21	4/1/23	Paint	Portable 306	Exterior	Building frame	Metal	A	Intact	Beige	Negative	0.7	0
22	4/1/23	Paint	Portable 306	Exterior	Hand rail	Metal	A	Intact	Green	Negative	0.7	0
23	4/1/23	Paint	Portable 306	Exterior	Door	Metal	A	Intact	Green	Negative	0.7	0
24	4/1/23	Paint	Portable 306	Exterior	Door frame trim	Wood	A	Intact	Beige	Negative	0.7	0
25	4/1/23	Paint	Portable 306	Exterior	Door	Metal	A	Intact	Green	Negative	0.7	0

Little Lake City School District
Cresson Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
26	4/1/23	Paint	Portable 306	Exterior	Building skirt trim	Wood	A	Intact	Beige	Negative	0.7	0
27	4/1/23	Paint	Portable 306	Exterior	Foundation bracket	Metal	A	Intact	Beige	Negative	0.7	0
28	4/1/23	Paint	Portable 306	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	0
29	4/1/23	Paint	Portable 306	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	0
30	4/1/23	Paint	Portable 306	Exterior	Downspout	Metal	C	Intact	Beige	Negative	0.7	0
31	4/1/23	Paint	Portable 306	Exterior	Conduit	Metal	C	Intact	Beige	Negative	0.7	0
32	4/1/23	Paint	Portable 306	Exterior	HVAC unit	Metal	C	Intact	Gray	Negative	0.7	0
33	4/1/23	Paint	Portable 306	Exterior	Pipe	Metal	C	Intact	Beige	Negative	0.7	0
34	4/1/23	Paint	Portable 306	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	0
35	4/1/23	Paint	Portable 306	Exterior	Overhang	Wood	A	Intact	Beige	Negative	0.7	0
36	4/1/23	Paint	Portable 306	Exterior	Fascia	Metal	A	Intact	Green	Negative	0.7	0
37	4/1/23	Paint	Portable 306	Exterior	Drip edge	Metal	Roof	Intact	Green	Negative	0.7	0
38	4/1/23	Paint	Portable 305	Exterior	Fascia	Metal	A	Intact	Green	Negative	0.7	0
39	4/1/23	Paint	Portable 305	Exterior	Gutter	Metal	C	Intact	Green	Negative	0.7	0
40	4/1/23	Paint	Portable 306	Exterior	Gutter	Metal	C	Cracked	Green	Negative	0.7	0
41	4/1/23	Paint	Portable 205	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	0
42	4/1/23	Paint	Portable 205	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	0
43	4/1/23	Paint	Portable 205	Exterior	Door frame trim	Transite	B	Intact	Beige	Negative	0.7	0
44	4/1/23	Paint	Portable 205	Exterior	Door frame	Metal	B	Intact	Green	Negative	0.7	0
45	4/1/23	Paint	Portable 205	Exterior	Door	Metal	B	Intact	Green	Negative	0.7	0
46	4/1/23	Paint	Portable 205	Exterior	Hand rail	Metal	B	Intact	Green	Negative	0.7	0
47	4/1/23	Paint	Portable 205	Exterior	Ramp	Metal	B	Intact	Green	Negative	0.7	0
48	4/1/23	Paint	Portable 205	Exterior	Ramp siding	Wood	B	Intact	Beige	Negative	0.7	0
49	4/1/23	Paint	Portable 205	Exterior	Ramp brace	Metal	B	Intact	Beige	Negative	0.7	0
50	4/1/23	Paint	Portable 205	Exterior	Bag hanger	Wood	B	Peeling	Beige	Negative	0.7	0

Little Lake City School District
Cresson Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
51	4/1/23	Paint	Portable 205	Exterior	Foundation Trim	Wood	B	Intact	Beige	Negative	0.7	0
52	4/1/23	Paint	Portable 205	Exterior	Foundation Plate	Metal	B	Intact	Beige	Negative	0.7	0
53	4/1/23	Paint	Portable 205	Exterior	Building frame	Metal	B	Intact	Beige	Negative	0.7	0
54	4/1/23	Paint	Portable 205	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	0
55	4/1/23	Paint	Portable 205	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	0
56	4/1/23	Paint	Portable 205	Exterior	Electrical box	Metal	D	Intact	Gray	Negative	0.7	0
57	4/1/23	Paint	Portable 205	Exterior	Conduit	Metal	D	Intact	Beige	Negative	0.7	0
58	4/1/23	Paint	Portable 205	Exterior	Overhang	Wood	D	Intact	Beige	Negative	0.7	0
59	4/1/23	Paint	Portable 205	Exterior	Fascia	Metal	D	Intact	Green	Negative	0.7	0
60	4/1/23	Paint	Portable 205	Exterior	Gutter	Metal	D	Cracked	Green	Negative	0.7	0
61	4/1/23	Paint	Portable 205	Exterior	Drip edge	Metal	A	Intact	Green	Negative	0.7	0
62	4/1/23	Paint	Portable 205	Exterior	HVAC unit	Metal	Roof	Intact	Beige	Negative	0.7	0
63	4/1/23	Paint	Portable 206	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	0
64	4/1/23	Paint	Portable 206	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	0
65	4/1/23	Paint	Portable 206	Exterior	Building frame	Metal	B	Intact	Beige	Negative	0.7	0
66	4/1/23	Paint	Portable 206	Exterior	Building frame	Metal	B	Intact	Beige	Negative	0.7	0
67	4/1/23	Paint	Portable 206	Exterior	Conduit	Metal	B	Intact	Beige	Negative	0.7	0
68	4/1/23	Paint	Portable 206	Exterior	Electrical box	Metal	B	Intact	Gray	Negative	0.7	0
69	4/1/23	Paint	Portable 206	Exterior	Pipe	Metal	B	Intact	Beige	Negative	0.7	0
70	4/1/23	Paint	Portable 206	Exterior	Foundation Trim	Wood	B	Intact	Beige	Negative	0.7	0
71	4/1/23	Paint	Portable 206	Exterior	Foundation Plate	Metal	B	Intact	Beige	Negative	0.7	0
72	4/1/23	Paint	Portable 206	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	0
73	4/1/23	Paint	Portable 206	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	0
74	4/1/23	Paint	Portable 206	Exterior	Door frame trim	Wood	D	Intact	Beige	Negative	0.7	0

Little Lake City School District
Cresson Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
75	4/1/23	Paint	Portable 206	Exterior	Door frame	Metal	D	Intact	Green	Negative	0.7	0
76	4/1/23	Paint	Portable 206	Exterior	Door	Metal	D	Intact	Green	Negative	0.7	0
77	4/1/23	Paint	Portable 206	Exterior	Hand rail	Metal	D	Intact	Green	Negative	0.7	0
78	4/1/23	Paint	Portable 206	Exterior	Ramp	Metal	D	Cracked	Green	Negative	0.7	0
79	4/1/23	Paint	Portable 206	Exterior	Ramp brace	Metal	D	Intact	Beige	Negative	0.7	0
80	4/1/23	Paint	Portable 206	Exterior	Ramp siding	Wood	D	Intact	Beige	Negative	0.7	0
81	4/1/23	Paint	Portable 206	Exterior	Bag hanger	Wood	D	Peeling	Beige	Negative	0.7	0
82	4/1/23	Paint	Portable 206	Exterior	Fascia	Metal	A	Intact	Green	Negative	0.7	0
83	4/1/23	Paint	Portable 206	Exterior	Drip edge	Metal	A	Intact	Green	Negative	0.7	0
84	4/1/23	Paint	Portable 206	Exterior	Downspout	Metal	B	Intact	Beige	Negative	0.7	0
85	4/1/23	Paint	Portable 206	Exterior	Gutter	Metal	B	Poor	Green	Negative	0.7	0
86	4/1/23	Paint	Portable 206	Exterior	Overhang	Wood	B	Intact	Beige	Negative	0.7	0
87	4/1/23	Paint	Portable 206	Exterior	HVAC unit	Metal	Roof	Intact	Gray	Negative	0.7	0
88	4/1/23	Paint	Portable 206	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	0
89	4/1/23	Paint	Portable 206	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	0
90	4/1/23	Paint	Portable 206	Exterior	Conduit	Metal	B	Intact	Beige	Negative	0.7	0
91	4/1/23	Paint	Portable 206	Exterior	Electrical box	Metal	B	Intact	Gray	Negative	0.7	0
92	4/1/23	Paint	Portable 206	Exterior	Building frame	Metal	B	Intact	Beige	Negative	0.7	0
93	4/1/23	Paint	Portable 206	Exterior	Foundation Plate	Metal	B	Intact	Beige	Negative	0.7	0
94	4/1/23	Paint	Portable 206	Exterior	Foundation Trim	Wood	B	Intact	Beige	Negative	0.7	0
95	4/1/23	Paint	Portable 207	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	0
96	4/1/23	Paint	Portable 207	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	0
97	4/1/23	Paint	Portable 207	Exterior	Door frame trim	Wood	D	Intact	Beige	Negative	0.7	0
98	4/1/23	Paint	Portable 207	Exterior	Door frame	Metal	D	Intact	Green	Negative	0.7	0
99	4/1/23	Paint	Portable 207	Exterior	Door	Metal	D	Intact	Green	Negative	0.7	0
100	4/1/23	Paint	Portable 207	Exterior	Hand rail	Metal	D	Intact	Green	Negative	0.7	0

Little Lake City School District
Cresson Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
101	4/1/23	Paint	Portable 207	Exterior	Ramp	Metal	D	Intact	Green	Negative	0.7	< LOD
102	4/1/23	Paint	Portable 207	Exterior	Ramp brace	Metal	D	Intact	Beige	Negative	0.7	0
103	4/1/23	Paint	Portable 207	Exterior	Overhang	Wood	D	Intact	Beige	Negative	0.7	0
104	4/1/23	Paint	Portable 207	Exterior	Fascia	Metal	D	Intact	Green	Negative	0.7	0
105	4/1/23	Paint	Portable 207	Exterior	Drip edge	Metal	D	Intact	Green	Negative	0.7	0
106	4/1/23	Paint	Portable 207	Exterior	Ramp siding	Wood	D	Intact	Beige	Negative	0.7	0
107	4/1/23	Paint	Portable 207	Exterior	Downspout	Metal	B	Intact	Beige	Negative	0.7	0
108	4/1/23	Paint	Portable 207	Exterior	Gutter	Metal	B	Cracked	Green	Negative	0.7	0
109	4/1/23	Paint	Portable 207	Exterior	HVAC unit	Metal	Roof	Intact	Gray	Negative	0.7	0
110	4/1/23	Paint	Portable 208	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	0
111	4/1/23	Paint	Portable 208	Exterior	Door frame trim	Wood	A	Intact	Beige	Negative	0.7	0
112	4/1/23	Paint	Portable 208	Exterior	Door frame	Metal	A	Intact	Green	Negative	0.7	0
113	4/1/23	Paint	Portable 208	Exterior	Door	Metal	A	Intact	Green	Negative	0.7	0
114	4/1/23	Paint	Portable 208	Exterior	Downspout	Metal	A	Intact	Beige	Negative	0.7	0
115	4/1/23	Paint	Portable 208	Exterior	Hand rail	Metal	A	Intact	Green	Negative	0.7	0.01
116	4/1/23	Paint	Portable 208	Exterior	Ramp brace	Metal	A	Intact	Beige	Negative	0.7	0
117	4/1/23	Paint	Portable 208	Exterior	Foundation Plate	Metal	A	Intact	Beige	Negative	0.7	0
118	4/1/23	Paint	Portable 208	Exterior	Bag hanger	Wood	A	Intact	Beige	Negative	0.7	0
119	4/1/23	Paint	Portable 208	Exterior	Building frame	Metal	A	Peeling	Beige	Negative	0.7	0
120	4/1/23	Paint	Portable 208	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	0
121	4/1/23	Paint	Portable 208	Exterior	Foundation Trim	Metal	B	Intact	Beige	Negative	0.7	0
122	4/1/23	Paint	Portable 208	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	0
123	4/1/23	Paint			Calibrate					Positive	0.7	1
124	4/1/23	Paint			Calibrate					Positive	0.7	1
125	4/1/23	Paint			Calibrate					Positive	0.7	1.1

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
126	4/1/23	Paint			Shutter Calibrate							0.65
127	4/1/23	Paint			Calibrate					Positive	0.7	1
128	4/1/23	Paint			Calibrate					Positive	0.7	1.1
129	4/1/23	Paint			Calibrate					Positive	0.7	1
130	4/1/23	Paint	Portable 208	Exterior	Conduit	Metal	B	Intact	Beige	Negative	0.7	< LOD
131	4/1/23	Paint	Portable 208	Exterior	Electrical box	Metal	C	Intact	Gray	Negative	0.7	< LOD
132	4/1/23	Paint	Portable 208	Exterior	HVAC unit	Metal	C	Intact	Gray	Negative	0.7	< LOD
133	4/1/23	Paint	Portable 208	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	< LOD
134	4/1/23	Paint	Portable 208	Exterior	Pipe	Metal	D	Intact	Beige	Negative	0.7	< LOD
135	4/1/23	Paint	Portable 208	Exterior	Overhang	Wood	C	Intact	Beige	Negative	0.7	< LOD
136	4/1/23	Paint	Portable 208	Exterior	Fascia	Metal	C	Intact	Green	Negative	0.7	< LOD
137	4/1/23	Paint	Portable 208	Exterior	Gutter	Metal	C	Intact	Green	Negative	0.7	< LOD
138	4/1/23	Paint	Portable 208	Exterior	Drip edge	Metal	D	Intact	Green	Negative	0.7	< LOD
139	4/1/23	Paint	Portable 208	Exterior	Transformer	Metal	C	Intact	Gray	Negative	0.7	< LOD
140	4/1/23	Paint	Portable 209	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	< LOD
141	4/1/23	Paint	Portable 209	Exterior	Building frame	Metal	A	Intact	Beige	Negative	0.7	< LOD
142	4/1/23	Paint	Portable 209	Exterior	Door frame trim	Wood	A	Intact	Beige	Negative	0.7	< LOD
143	4/1/23	Paint	Portable 209	Exterior	Door frame	Metal	A	Intact	Green	Negative	0.7	< LOD
144	4/1/23	Paint	Portable 209	Exterior	Door	Metal	A	Intact	Green	Negative	0.7	< LOD
145	4/1/23	Paint	Portable 209	Exterior	Hand rail	Metal	A	Intact	Green	Negative	0.7	< LOD
146	4/1/23	Paint	Portable 209	Exterior	Ramp brace	Metal	A	Intact	Beige	Negative	0.7	< LOD
147	4/1/23	Paint	Portable 209	Exterior	Ramp siding	Wood	A	Intact	Beige	Negative	0.7	< LOD
148	4/1/23	Paint	Portable 209	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	< LOD
149	4/1/23	Paint	Portable 209	Exterior	Foundation Trim	Wood	B	Intact	Beige	Negative	0.7	< LOD
150	4/1/23	Paint	Portable 209	Exterior	Foundation Plate	Metal	B	Intact	Beige	Negative	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
151	4/1/23	Paint	Portable 209	Exterior	Pole	Metal	B	Intact	Beige	Negative	0.7	< LOD
152	4/1/23	Paint	Portable 209	Exterior	Gate	Wood	B	Peeling	Beige	Negative	0.7	< LOD
153	4/1/23	Paint	Portable 209	Exterior	Hinge	Metal	B	Intact	Beige	Negative	0.7	< LOD
154	4/1/23	Paint	Portable 209	Exterior	Window panel	Wood	C	Intact	Beige	Negative	0.7	< LOD
155	4/1/23	Paint	Portable 209	Exterior	Conduit	Metal	C	Intact	Beige	Negative	0.7	< LOD
156	4/1/23	Paint	Portable 209	Exterior	Electrical box	Metal	C	Intact	Gray	Negative	0.7	< LOD
157	4/1/23	Paint	Portable 209	Exterior	HVAC unit	Metal	C	Intact	Gray	Negative	0.7	< LOD
158	4/1/23	Paint	Portable 209	Exterior	Downspout	Metal	C	Intact	Beige	Negative	0.7	< LOD
159	4/1/23	Paint	Portable 209	Exterior	Overhang	Wood	C	Intact	Beige	Negative	0.7	< LOD
160	4/1/23	Paint	Portable 209	Exterior	Fascia	Metal	C	Intact	Green	Negative	0.7	< LOD
161	4/1/23	Paint	Portable 209	Exterior	Gutter	Metal	C	Intact	Green	Negative	0.7	< LOD
162	4/1/23	Paint	Portable 209	Exterior	Drip edge	Metal	D	Intact	Green	Negative	0.7	< LOD
163	4/1/23	Paint	Portable 209	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	< LOD
164	4/1/23	Paint	Portable 209	Exterior	Pipe	Metal	D	Intact	Beige	Negative	0.7	< LOD
165	4/1/23	Paint	Portable 209	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	< LOD
166	4/1/23	Paint	Portable 209	Exterior	Building frame	Metal	A	Intact	Beige	Negative	0.7	< LOD
167	4/1/23	Paint	Portable 210	Exterior	Door frame trim	Wood	A	Intact	Beige	Negative	0.7	< LOD
168	4/1/23	Paint	Portable 210	Exterior	Door frame	Metal	A	Intact	Green	Negative	0.7	< LOD
169	4/1/23	Paint	Portable 210	Exterior	Door	Metal	A	Intact	Green	Negative	0.7	< LOD
170	4/1/23	Paint	Portable 210	Exterior	Hand rail	Metal	A	Intact	Green	Negative	0.7	< LOD
171	4/1/23	Paint	Portable 210	Exterior	Ramp	Metal	A	Intact	Green	Negative	0.7	< LOD
172	4/1/23	Paint	Portable 210	Exterior	Ramp siding	Wood	A	Intact	Beige	Negative	0.7	< LOD
173	4/1/23	Paint	Portable 210	Exterior	Ramp brace	Metal	A	Intact	Beige	Negative	0.7	< LOD
174	4/1/23	Paint	Portable 210	Exterior	Foundation Trim	Wood	A	Intact	Beige	Negative	0.7	< LOD
175	4/1/23	Paint	Portable 210	Exterior	Bag hanger	Wood	A	Peeling	Beige	Negative	0.7	< LOD
176	4/1/23	Paint	Portable 210	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	< LOD
177	4/1/23	Paint	Portable 210	Exterior	Pole	Metal	B	Intact	Beige	Negative	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
178	4/1/23	Paint	Portable 210	Exterior	Gate	Wood	B	Cracked	Beige	Negative	0.7	< LOD
179	4/1/23	Paint	Portable 210	Exterior	Hinge	Metal	B	Intact	Beige	Negative	0.7	< LOD
180	4/1/23	Paint	Portable 210	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	< LOD
181	4/1/23	Paint	Portable 210	Exterior	Conduit	Metal	D	Intact	Beige	Negative	0.7	< LOD
182	4/1/23	Paint	Portable 210	Exterior	HVAC unit	Metal	C	Intact	Gray	Negative	0.7	< LOD
183	4/1/23	Paint	Portable 210	Exterior	Electrical box	Metal	C	Intact	Beige	Negative	0.7	< LOD
184	4/1/23	Paint	Portable 210	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	< LOD
185	4/1/23	Paint	Portable 210	Exterior	Pipe	Metal	D	Intact	Beige	Negative	0.7	< LOD
186	4/1/23	Paint	Portable 210	Exterior	Overhang	Wood	D	Intact	Beige	Negative	0.7	< LOD
187	4/1/23	Paint	Portable 210	Exterior	Fascia	Metal	C	Intact	Green	Negative	0.7	< LOD
188	4/1/23	Paint	Portable 210	Exterior	Gutter	Metal	C	Intact	Green	Negative	0.7	< LOD
189	4/1/23	Paint	Portable 210	Exterior	Downspout	Metal	C	Intact	Beige	Negative	0.7	< LOD
190	4/1/23	Paint	Portable 210	Exterior	Drip edge	Metal	D	Intact	Green	Negative	0.7	< LOD
191	4/1/23	Paint	Portable 211	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	< LOD
192	4/1/23	Paint	Portable 211	Exterior	Building frame	Metal	A	Peeling	Beige	Negative	0.7	< LOD
193	4/1/23	Paint	Portable 211	Exterior	Door frame trim	Wood	A	Intact	Beige	Negative	0.7	< LOD
194	4/1/23	Paint	Portable 211	Exterior	Door frame	Metal	A	Intact	Green	Negative	0.7	< LOD
195	4/1/23	Paint	Portable 211	Exterior	Door	Metal	A	Intact	Green	Negative	0.7	< LOD
196	4/1/23	Paint	Portable 211	Exterior	Hand rail	Metal	A	Intact	Green	Negative	0.7	< LOD
197	4/1/23	Paint	Portable 211	Exterior	Ramp	Metal	A	Intact	Green	Negative	0.7	< LOD
198	4/1/23	Paint	Portable 211	Exterior	Ramp brace	Metal	A	Intact	Beige	Negative	0.7	< LOD
199	4/1/23	Paint	Portable 211	Exterior	Foundation Trim	Wood	A	Intact	Beige	Negative	0.7	< LOD
200	4/1/23	Paint	Portable 211	Exterior	Foundation Plate	Metal	A	Intact	Beige	Negative	0.7	< LOD
201	4/1/23	Paint	Portable 211	Exterior	Bag hanger	Wood	A	Poor	Beige	Negative	0.7	< LOD
202	4/1/23	Paint			Calibrate					Positive	0.7	0.9
203	4/1/23	Paint			Calibrate					Positive	0.7	1

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
204	4/1/23	Paint			Calibrate					Positive	0.7	1.1
205	4/3/23	Paint			Shutter calibrate							0.68
206	4/3/23	Paint			Calibrate					Positive	0.7	0.9
207	4/3/23	Paint			Calibrate					Positive	0.7	1
208	4/3/23	Paint			Calibrate					Positive	0.7	1
209	4/3/23	Paint	Portable 211	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	< LOD
210	4/3/23	Paint	Portable 211	Exterior	Foundation Trim	Wood	B	Intact	Beige	Negative	0.7	< LOD
211	4/3/23	Paint	Portable 211	Exterior	Foundation Plate	Metal	B	Intact	Beige	Negative	0.7	< LOD
212	4/3/23	Paint	Portable 211	Exterior	Pipe	Metal	B	Intact	Beige	Negative	0.7	< LOD
213	4/3/23	Paint	Portable 211	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	< LOD
214	4/3/23	Paint	Portable 211	Exterior	Conduit	Metal	C	Intact	Beige	Negative	0.7	< LOD
215	4/3/23	Paint	Portable 211	Exterior	Electrical box	Metal	C	Peeling	Beige	Negative	0.7	< LOD
216	4/3/23	Paint	Portable 211	Exterior	HVAC unit	Metal	C	Intact	Gray	Negative	0.7	< LOD
217	4/3/23	Paint	Portable 211	Exterior	Gate	Wood	C	Cracked	Beige	Negative	0.7	< LOD
218	4/3/23	Paint	Portable 211	Exterior	Pole	Metal	C	Intact	Beige	Negative	0.7	< LOD
219	4/3/23	Paint	Portable 211	Exterior	Hinge	Metal	C	Intact	Beige	Negative	0.7	< LOD
220	4/3/23	Paint	Portable 211	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	< LOD
221	4/3/23	Paint	Portable 211	Exterior	Gutter	Metal	A	Intact	Beige	Negative	0.7	< LOD
222	4/3/23	Paint	Portable 211	Exterior	Gutter	Metal	A	Intact	Green	Negative	0.7	< LOD
223	4/3/23	Paint	Portable 211	Exterior	Overhang	Wood	A	Intact	Beige	Negative	0.7	< LOD
224	4/3/23	Paint	Portable 212	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	< LOD
225	4/3/23	Paint	Portable 212	Exterior	Building frame	Metal	A	Intact	Beige	Negative	0.7	< LOD
226	4/3/23	Paint	Portable 212	Exterior	Door frame trim	Wood	A	Intact	Beige	Negative	0.7	< LOD
227	4/3/23	Paint	Portable 212	Exterior	Door frame	Metal	A	Intact	Green	Negative	0.7	< LOD
228	4/3/23	Paint	Portable 212	Exterior	Door	Metal	A	Intact	Green	Negative	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
229	4/3/23	Paint	Portable 212	Exterior	Hand rail	Metal	A	Intact	Green	Negative	0.7	< LOD
230	4/3/23	Paint	Portable 212	Exterior	Ramp	Metal	A	Intact	Green	Negative	0.7	< LOD
231	4/3/23	Paint	Portable 212	Exterior	Ramp brace	Metal	A	Intact	Beige	Negative	0.7	< LOD
232	4/3/23	Paint	Portable 212	Exterior	Ramp siding	Wood	A	Intact	Beige	Negative	0.7	< LOD
233	4/3/23	Paint	Portable 212	Exterior	Foundation Plate	Metal	A	Intact	Beige	Negative	0.7	< LOD
234	4/3/23	Paint	Portable 212	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	< LOD
235	4/3/23	Paint	Portable 212	Exterior	Foundation Trim	Wood	B	Intact	Beige	Negative	0.7	< LOD
236	4/3/23	Paint	Portable 212	Exterior	Pipe	Metal	B	Intact	Beige	Negative	0.7	< LOD
237	4/3/23	Paint	Portable 212	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	< LOD
238	4/3/23	Paint	Portable 212	Exterior	Conduit	Metal	C	Intact	Beige	Negative	0.7	< LOD
239	4/3/23	Paint	Portable 212	Exterior	Electrical box	Metal	C	Peeling	Beige	Negative	0.7	< LOD
240	4/3/23	Paint	Portable 212	Exterior	HVAC unit	Metal	C	Intact	Gray	Negative	0.7	< LOD
241	4/3/23	Paint	Portable 212	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	< LOD
242	4/3/23	Paint	Portable 212	Exterior	Fascia	Metal	D	Intact	Green	Negative	0.7	< LOD
243	4/3/23	Paint	Portable 212	Exterior	Drip edge	Metal	D	Intact	Green	Negative	0.7	< LOD
244	4/3/23	Paint	Portable 212	Exterior	Downspout	Metal	A	Intact	Beige	Negative	0.7	< LOD
245	4/3/23	Paint	Portable 212	Exterior	Gutter	Metal	A	Peeling	Green	Negative	0.7	< LOD
246	4/3/23	Paint	Portable 212	Exterior	Overhang	Wood	A	Intact	Beige	Negative	0.7	< LOD
247	4/3/23	Paint	Portable 211	Exterior	Drip edge	Metal	D	Intact	Green	Negative	0.7	< LOD
248	4/3/23	Paint	Portable 211	Exterior	Fascia	Metal	D	Intact	Green	Negative	0.7	< LOD
249	4/3/23	Paint	MPR Building	Exterior	Wall	Brick	A	Intact	Red	Negative	0.7	< LOD
250	4/3/23	Paint	MPR Building	Exterior	Door frame	Metal	A	Intact	Blue	Negative	0.7	< LOD
251	4/3/23	Paint	MPR Building	Exterior	Door	Metal	A	Intact	Blue	Negative	0.7	< LOD
252	4/3/23	Paint	MPR Building	Exterior	Window frame	Metal	A	Intact	Blue	Negative	0.7	< LOD
253	4/3/23	Paint	MPR Building	Exterior	Conduit	Metal	A	Intact	Red	Negative	0.7	< LOD
254	4/3/23	Paint	MPR Building	Exterior	Vent	Metal	A	Intact	Red	Positive	0.7	1.1
255	4/3/23	Paint	MPR Building	Exterior	Overhang	Stucco	A	Intact	Beige	Null	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
256	4/3/23	Paint	MPR Building	Exterior	Overhang	Stucco	A	Intact	Beige	Negative	0.7	< LOD
257	4/3/23	Paint	MPR Building	Exterior	Overhang trim	Wood	A	Intact	Beige	Negative	0.7	< LOD
258	4/3/23	Paint	MPR Building	Exterior	Fascia	Wood	A	Peeling	Green	Negative	0.7	0.6
259	4/3/23	Paint	MPR Building	Exterior	Wall	Brick	B	Intact	Red	Negative	0.7	< LOD
260	4/3/23	Paint	MPR Building	Exterior	Downspout	Metal	B	Intact	Red	Positive	0.7	1.7
261	4/3/23	Paint	MPR Building	Exterior	Fascia	Wood	B	Intact	Green	Negative	0.7	< LOD
262	4/3/23	Paint	MPR Building	Exterior	Gutter	Metal	B	Peeling	Green	Negative	0.7	< LOD
263	4/3/23	Paint	MPR Building	Exterior	Fascia	Wood	B	Cracked	Green	Negative	0.7	0.5
264	4/3/23	Paint	MPR Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	< LOD
265	4/3/23	Paint	MPR Building	Exterior	Gate	Wood	C	Chalking	Blue	Negative	0.7	< LOD
266	4/3/23	Paint	MPR Building	Exterior	Hinge	Metal	C	Chalking	Blue	Negative	0.7	< LOD
267	4/3/23	Paint	MPR Building	Exterior	Wall	Stucco	D	Intact	Beige	Negative	0.7	< LOD
268	4/3/23	Paint	MPR Building	Exterior	Hand rail	Metal	D	Intact	Blue	Negative	0.7	< LOD
269	4/3/23	Paint	MPR Building	Exterior	Drip edge	Metal	D	Peeling	Green	Negative	0.7	< LOD
270	4/3/23	Paint	MPR Building	Exterior	Roof pipe jack flashing	Metal	Roof 1	Intact	Gray	Positive	0.7	82.8
271	4/3/23	Paint	MPR Building	Exterior	Wall Flashing	Metal	Roof 1	Intact	Gray	Negative	0.7	< LOD
272	4/3/23	Paint	MPR Building	Exterior	HVAC unit	Metal	Roof 1	Intact	Gray	Negative	0.7	< LOD
273	4/3/23	Paint	MPR Building	Exterior	Electrical box	Metal	Roof 1	Chalking	Gray	Negative	0.7	< LOD
274	4/3/23	Paint	MPR Building	Exterior	Wall flashing	Metal	Roof 2	Peeling	Gray	Negative	0.7	0.5
275	4/3/23	Paint	MPR Building	Exterior	Overhang	Stucco	Roof 2	Intact	Beige	Negative	0.7	< LOD
276	4/3/23	Paint	MPR Building	Exterior	Downspout splash guard	Metal	Roof 2	Cracked	Gray	Negative	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
277	4/3/23	Paint	MPR Building	Exterior	Roof pipe jack flashing	Plaster	Roof 2	Intact	Gray	Positive	0.7	80.1
278	4/3/23	Paint	MPR Building	Exterior	HVAC unit	Metal	Roof 2	Intact	Gray	Negative	0.7	< LOD
279	4/3/23	Paint	MPR Building	Exterior	Electrical box	Metal	Roof 2	Intact	Gray	Negative	0.7	< LOD
280	4/3/23	Paint	MPR Building	Exterior	Fascia	Wood	A	Peeling	Green	Negative	0.7	< LOD
281	4/3/23	Paint	Administration Building	Exterior	Wall	Brick	A	Intact	Red	Negative	0.7	< LOD
282	4/3/23	Paint	Administration Building	Exterior	Window frame	Metal	A	Intact	Beige	Positive	0.7	1
283	4/3/23	Paint	Administration Building	Exterior	Window panel	Wood	A	Intact	Beige	Negative	0.7	< LOD
284	4/3/23	Paint	Administration Building	Exterior	HVAC unit	Metal	A	Intact	White	Negative	0.7	< LOD
285	4/3/23	Paint	Administration Building	Exterior	HVAC unit bracket	Metal	A	Intact	Beige	Negative	0.7	< LOD
286	4/3/23	Paint	Administration Building	Exterior	Vent	Metal	A	Intact	Red	Negative	0.7	< LOD
287	4/3/23	Paint	Administration Building	Exterior	School sign frame	Metal	A	Intact	Blue	Negative	0.7	< LOD
288	4/3/23	Paint	Administration Building	Exterior	Electrical box	Metal	A	Chalking	Gray	Negative	0.7	< LOD
289	4/3/23	Paint	Administration Building	Exterior	Conduit	Metal	A	Intact	Red	Negative	0.7	< LOD
290	4/3/23	Paint	Administration Building	Exterior	Wall hydrant	Metal	A	Intact	Red	Positive	0.7	17.3
291	4/3/23	Paint	Administration Building	Exterior	Pipe	Metal	A	Peeling	Red	Negative	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
292	4/3/23	Paint	Administration Building	Exterior	Overhang	Wood	A	Intact	Beige	Negative	0.7	0.27
293	4/3/23	Paint	Administration Building	Exterior	Fascia	Wood	A	Intact	Green	Negative	0.7	< LOD
294	4/3/23	Paint	Administration Building	Exterior	Drip edge	Metal	A	Peeling	Green	Negative	0.7	< LOD
295	4/3/23	Paint	Administration Building	Exterior	Wall	Brick	B	Intact	Red	Negative	0.7	< LOD
296	4/3/23	Paint	Administration Building	Exterior	Window panel	Glass	B	Intact	Beige	Negative	0.7	< LOD
297	4/3/23	Paint	Administration Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	< LOD
298	4/3/23	Paint	Administration Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	< LOD
299	4/3/23	Paint	Administration Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	< LOD
300	4/3/23	Paint	Administration Building	Exterior	Window frame	Metal	C	Intact	Beige	Negative	0.7	< LOD
301	4/3/23	Paint	Administration Building	Exterior	Window frame	Metal	C	Intact	Beige	Positive	0.7	0.9
302	4/3/23	Paint	Administration Building	Exterior	Downspout	Metal	C	Intact	Red	Negative	0.7	2
303	4/3/23	Paint	Administration Building	Exterior	Overhang	Wood	C	Intact	Beige	Negative	0.7	< LOD
304	4/3/23	Paint	Administration Building	Exterior	Overhang	Wood	C	Intact	Beige	Negative	0.7	0.23
305	4/3/23	Paint	Administration Building	Exterior	Fascia	Wood	B	Peeling	Beige	Negative	0.7	0.24

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
306	4/3/23	Paint	Administration Building	Exterior	Overhang	Wood	C	Intact	Beige	Negative	0.7	0.3
307	4/3/23	Paint	Administration Building	Exterior	Conduit	Metal	C	Intact	Beige	Negative	0.7	< LOD
308	4/3/23	Paint	Administration Building	Exterior	Overhang trim	Wood	C	Peeling	Beige	Negative	0.7	0.4
309	4/3/23	Paint	Administration Building	Exterior	Fascia	Wood	C	Peeling	Green	Negative	0.7	< LOD
310	4/3/23	Paint	Administration Building	Exterior	Gutter	Metal	C	Peeling	Green	Negative	0.7	< LOD
311	4/3/23	Paint	Administration Building	Exterior	Wall	Brick	D	Intact	Red	Negative	0.7	< LOD
312	4/3/23	Paint	Administration Building	Exterior	Vent	Metal	D	Intact	Red	Negative	0.7	< LOD
313	4/3/23	Paint	Administration Building	Exterior	Wall	Stucco	C	Intact	Red	Negative	0.7	< LOD
314	4/3/23	Paint	Administration Building	Exterior	Coat hanger	Wood	C	Intact	Blue	Negative	0.7	< LOD
315	4/3/23	Paint	Administration Building	Exterior	Transom	Wood	C	Intact	Beige	Negative	0.7	< LOD
316	4/3/23	Paint	Administration Building	Exterior	Santa Fe alarm box	Metal	C	Intact	Red	Negative	0.7	< LOD
317	4/3/23	Paint	Administration Building	Exterior	Light fixture	Metal	C	Intact	Red	Positive	0.7	1.4
318	4/3/23	Paint	100 Building	Exterior	Wall	Brick	A	Intact	Red	Negative	0.7	< LOD
319	4/3/23	Paint	100 Building	Exterior	Wall	Brick	B	Intact	Red	Negative	0.7	< LOD
320	4/3/23	Paint	100 Building	Exterior	Door frame trim	Wood	B	Intact	Beige	Negative	0.7	< LOD
321	4/3/23	Paint	100 Building	Exterior	Door frame	Metal	B	Intact	Blue	Negative	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
322	4/3/23	Paint	100 Building	Exterior	Door	Metal	B	Intact	Blue	Negative	0.7	< LOD
323	4/3/23	Paint	100 Building	Exterior	Downspout	Metal	B	Intact	Red	Positive	0.7	1.5
324	4/3/23	Paint	100 Building	Exterior	Window frame	Metal	B	Intact	Beige	Positive	0.7	3.2
325	4/3/23	Paint	100 Building	Exterior	Bag hanger	Wood	B	Poor	Beige	Negative	0.7	< LOD
326	4/3/23	Paint	100 Building	Exterior	Wall panel	Wood	B	Intact	Red	Negative	0.7	< LOD
327	4/3/23	Paint	100 Building	Exterior	Wall	Ceramic tile	B	Intact	Blue	Negative	0.7	< LOD
328	4/3/23	Paint	100 Building	Exterior	Wall	Ceramic tile	B	Intact	Gray	Negative	0.7	< LOD
329	4/3/23	Paint	100 Building	Exterior	Transom	Wood	B	Intact	Beige	Negative	0.7	< LOD
330	4/3/23	Paint			Calibrate					Positive	0.7	0.9
331	4/3/23	Paint			Calibrate					Positive	0.7	0.9
332	4/3/23	Paint			Calibrate					Positive	0.7	1
333	4/4/23	Paint			Shutter calibrate							0.7
334	4/4/23	Paint			Calibrate					Positive	0.7	1.1
335	4/4/23	Paint			Calibrate					Positive	0.7	1
336	4/4/23	Paint			Calibrate					Positive	0.7	1
337	4/4/23	Paint	100 Building	Exterior	Overhang	Wood	B	Peeling	Beige	Negative	0.7	0.4
338	4/4/23	Paint	100 Building	Exterior	Overhang	Wood	B	Peeling	Beige	Negative	0.7	< LOD
339	4/4/23	Paint	100 Building	Exterior	Overhang	Wood	B	Peeling	Beige	Negative	0.7	< LOD
340	4/4/23	Paint	100 Building	Exterior	Downspout	Metal	B	Cracked	Beige	Negative	0.7	< LOD
341	4/4/23	Paint	100 Building	Exterior	Overhang beam	Wood	B	Intact	Beige	Negative	0.7	< LOD
342	4/4/23	Paint	100 Building	Exterior	Window header	Wood	B	Intact	Beige	Negative	0.7	< LOD
343	4/4/23	Paint	100 Building	Exterior	Fascia beam	Wood	B	Peeling	Beige	Negative	0.7	< LOD
344	4/4/23	Paint	100 Building	Exterior	Fascia	Wood	B	Peeling	Green	Negative	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
345	4/4/23	Paint	100 Building	Exterior	Gutter	Metal	B	Peeling	Green	Negative	0.7	< LOD
346	4/4/23	Paint	100 Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	< LOD
347	4/4/23	Paint	100 Building	Exterior	Wall	Brick	D	Intact	Red	Negative	0.7	< LOD
348	4/4/23	Paint	100 Building	Exterior	Pipe	Metal	D	Intact	Red	Negative	0.7	< LOD
349	4/4/23	Paint	100 Building	Exterior	Wall hydrant	Metal	D	Intact	Red	Positive	0.7	16
350	4/4/23	Paint	100 Building	Exterior	Conduit	Metal	D	Intact	Beige	Negative	0.7	< LOD
351	4/4/23	Paint	100 Building	Exterior	Drip edge	Metal	D	Peeling	Green	Negative	0.7	< LOD
352	4/4/23	Paint	100 Building	Exterior	Roof pipe jack flashing	Metal	Roof	Intact	Gray	Positive	0.7	64
353	4/4/23	Paint	100 Building	Exterior	HVAC unit	Metal	Roof	Intact	Green	Negative	0.7	< LOD
354	4/4/23	Paint	100 Building	Exterior	HVAC unit	Metal	Roof	Intact	Beige	Negative	0.7	< LOD
355	4/4/23	Paint	100 Building	Exterior	Electrical box	Metal	Roof	Chalking	Gray	Negative	0.7	< LOD
356	4/4/23	Paint	Administration Building	Exterior	Roof pipe jack flashing	Metal	Roof	Intact	Gray	Positive	0.7	81.2
357	4/4/23	Paint	200 Building	Exterior	Wall	Brick	A	Intact	Red	Negative	0.7	< LOD
358	4/4/23	Paint	200 Building	Exterior	Wall	Brick	B	Intact	Red	Negative	0.7	< LOD
359	4/4/23	Paint	200 Building	Exterior	Wall signage	Brick	B	Intact	Black	Negative	0.7	< LOD
360	4/4/23	Paint	200 Building	Exterior	Door frame trim	Wood	B	Intact	Beige	Negative	0.7	< LOD
361	4/4/23	Paint	200 Building	Exterior	Door frame	Metal	B	Intact	Blue	Negative	0.7	< LOD
362	4/4/23	Paint	200 Building	Exterior	Door	Metal	B	Intact	Blue	Negative	0.7	< LOD
363	4/4/23	Paint	200 Building	Exterior	Window frame	Metal	B	Intact	Beige	Negative	0.7	< LOD
364	4/4/23	Paint	200 Building	Exterior	Window frame	Metal	B	Intact	Beige	Negative	0.7	< LOD
365	4/4/23	Paint	200 Building	Exterior	Backpack rack	Wood	B	Intact	Beige	Negative	0.7	< LOD
366	4/4/23	Paint	200 Building	Exterior	Downspout	Metal	B	Intact	Red	Negative	0.7	0.25
367	4/4/23	Paint	200 Building	Exterior	Wall panel	Wood	B	Intact	Red	Negative	0.7	< LOD
368	4/4/23	Paint	200 Building	Exterior	Wall hydrant	Metal	B	Intact	Red	Positive	0.7	12
369	4/4/23	Paint	200 Building	Exterior	Pipe	Metal	B	Intact	Red	Negative	0.7	0.07
370	4/4/23	Paint	200 Building	Exterior	Conduit	Metal	B	Intact	Beige	Negative	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
371	4/4/23	Paint	200 Building	Exterior	Transom	Wood	B	Intact	Beige	Negative	0.7	< LOD
372	4/4/23	Paint	200 Building	Exterior	Window header	Wood	B	Peeling	Beige	Negative	0.7	< LOD
373	4/4/23	Paint	200 Building	Exterior	Overhang	Wood	B	Peeling	Beige	Negative	0.7	< LOD
374	4/4/23	Paint	200 Building	Exterior	Overhang beam	Wood	B	Peeling	Beige	Negative	0.7	< LOD
375	4/4/23	Paint	200 Building	Exterior	Overhang beam	Wood	B	Peeling	Beige	Negative	0.7	0.4
376	4/4/23	Paint	200 Building	Exterior	Overhang cross members	Wood	B	Peeling	Beige	Negative	0.7	0.25
377	4/4/23	Paint	200 Building	Exterior	Fascia beam	Wood	B	Intact	Beige	Negative	0.7	0.3
378	4/4/23	Paint	200 Building	Exterior	Fascia	Wood	B	Peeling	Green	Negative	0.7	< LOD
379	4/4/23	Paint	200 Building	Exterior	Gutter	Metal	B	Peeling	Green	Negative	0.7	< LOD
380	4/4/23	Paint	200 Building	Exterior	Window casing	Wood	B	Intact	Beige	Positive	0.7	0.9
381	4/4/23	Paint	200 Building	Exterior	Wall	Brick	B	Intact	Red	Negative	0.7	< LOD
382	4/4/23	Paint	200 Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	< LOD
383	4/4/23	Paint	200 Building	Exterior	Hand rail	Metal	D	Peeling	Blue	Negative	0.7	< LOD
384	4/4/23	Paint	200 Building	Exterior	Electrical box	Metal	D	Intact	Beige	Negative	0.7	< LOD
385	4/4/23	Paint	200 Building	Exterior	Drip edge	Metal	D	Intact	Green	Negative	0.7	< LOD
386	4/4/23	Paint	200 Building	Exterior	Roof pipe jack flashing	Metal	Roof	Intact	Gray	Negative	0.7	< LOD
387	4/4/23	Paint	200 Building	Exterior	Roof pipe jack flashing	Metal	Roof	Intact	Gray	Positive	0.7	48.7
388	4/4/23	Paint	200 Building	Exterior	HVAC unit	Metal	Roof	Intact	Green	Negative	0.7	< LOD
389	4/4/23	Paint	200 Building	Exterior	HVAC unit	Metal	Roof	Chalking	Beige	Negative	0.7	< LOD
390	4/4/23	Paint	200 Building	Exterior	Fascia	Metal	Roof	Chalking	Gray	Negative	0.7	< LOD
391	4/4/23	Paint	200 Building	Exterior	Mural	Brick	A	Intact	Red	Negative	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
392	4/4/23	Paint	200 Building	Exterior	Mural	Brick	A	Intact	Orange	Negative	0.7	< LOD
393	4/4/23	Paint	200 Building	Exterior	Mural	Brick	A	Intact	Yellow	Negative	0.7	< LOD
394	4/4/23	Paint	200 Building	Exterior	Mural	Brick	A	Intact	Green	Negative	0.7	< LOD
395	4/4/23	Paint	200 Building	Exterior	Mural	Brick	A	Intact	Blue	Negative	0.7	< LOD
396	4/4/23	Paint	200 Building	Exterior	Mural	Brick	A	Intact	Black	Negative	0.7	< LOD
397	4/4/23	Paint	200 Building	Exterior	Mural	Brick	A	Intact	White	Negative	0.7	< LOD
398	4/4/23	Paint	200 Building	Exterior	Wall	Brick	A	Intact	Purple	Negative	0.7	< LOD
399	4/4/23	Paint	300 Building	Exterior	Wall	Brick	B	Intact	Red	Negative	0.7	< LOD
400	4/4/23	Paint	300 Building	Exterior	Door frame trim	Wood	B	Intact	Beige	Negative	0.7	< LOD
401	4/4/23	Paint	300 Building	Exterior	Door frame	Metal	B	Intact	Blue	Negative	0.7	< LOD
402	4/4/23	Paint	300 Building	Exterior	Door	Metal	B	Intact	Blue	Negative	0.7	< LOD
403	4/4/23	Paint	300 Building	Exterior	Window frame	Metal	B	Intact	Beige	Negative	0.7	< LOD
404	4/4/23	Paint	300 Building	Exterior	Window casing	Metal	B	Intact	Beige	Positive	0.7	0.9
405	4/4/23	Paint			Calibrate					Positive	0.7	1.1
406	4/4/23	Paint			Calibrate					Positive	0.7	0.9
407	4/4/23	Paint			Calibrate					Positive	0.7	1
408	4/5/23	Paint			Shutter calibrate							0.63
409	4/5/23	Paint			Calibrate					Positive	0.7	0.9
410	4/5/23	Paint			Calibrate					Positive	0.7	1
411	4/5/23	Paint			Calibrate					Positive	0.7	1
412	4/5/23	Paint	300 Building	Exterior	Vent	Metal	B	Intact	Red	Negative	0.7	< LOD
413	4/5/23	Paint	300 Building	Exterior	Countertop	Metal	B	Intact	Beige	Negative	0.7	< LOD
414	4/5/23	Paint	300 Building	Exterior	Overhang	Wood	B	Peeling	Beige	Negative	0.7	< LOD
415	4/5/23	Paint	300 Building	Exterior	Overhang beam	Wood	B	Peeling	Beige	Negative	0.7	0.4

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
416	4/5/23	Paint	300 Building	Exterior	Overhang cross members	Wood	B	Peeling	Beige	Negative	0.7	0.25
417	4/5/23	Paint	300 Building	Exterior	Window header	Wood	B	Peeling	Beige	Negative	0.7	< LOD
418	4/5/23	Paint	300 Building	Exterior	Fascia beam	Wood	B	Peeling	Beige	Negative	0.7	0.4
419	4/5/23	Paint	300 Building	Exterior	Fascia	Wood	B	Peeling	Green	Negative	0.7	< LOD
420	4/5/23	Paint	300 Building	Exterior	Backpack rack	Wood	B	Intact	Off white	Negative	0.7	< LOD
421	4/5/23	Paint	300 Building	Exterior	Gutter	Metal	B	Peeling	Green	Negative	0.7	< LOD
422	4/5/23	Paint	300 Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	< LOD
423	4/5/23	Paint	300 Building	Exterior	Wall	Stucco	C	Intact	Red	Negative	0.7	< LOD
424	4/5/23	Paint	300 Building	Exterior	Electrical box	Metal	C	Chalking	Gray	Negative	0.7	< LOD
425	4/5/23	Paint	300 Building	Exterior	Electrical box	Metal	C	Intact	Red	Negative	0.7	< LOD
426	4/5/23	Paint	300 Building	Exterior	Wall	Brick	D	Intact	Red	Negative	0.7	< LOD
427	4/5/23	Paint	300 Building	Exterior	Pipe	Metal	D	Intact	Gray	Negative	0.7	< LOD
428	4/5/23	Paint	300 Building	Exterior	Drip edge	Metal	D	Peeling	Green	Negative	0.7	< LOD
429	4/5/23	Paint	300 Building	Exterior	Vent	Metal	D	Intact	Red	Negative	0.7	< LOD
430	4/5/23	Paint	400 Building	Exterior	Wall	Brick	A	Intact	Red	Negative	0.7	< LOD
431	4/5/23	Paint	400 Building	Exterior	Wall	Metal	B	Intact	Red	Negative	0.7	< LOD
432	4/5/23	Paint	400 Building	Exterior	Door frame trim	Wood	B	Intact	Beige	Negative	0.7	< LOD
433	4/5/23	Paint	400 Building	Exterior	Door frame	Metal	B	Intact	Blue	Negative	0.7	< LOD
434	4/5/23	Paint	400 Building	Exterior	Door	Metal	B	Intact	Blue	Negative	0.7	< LOD
435	4/5/23	Paint	400 Building	Exterior	Transom	Wood	B	Intact	Beige	Negative	0.7	< LOD
436	4/5/23	Paint	400 Building	Exterior	Overhang	Wood	B	Peeling	Beige	Negative	0.7	0.3
437	4/5/23	Paint	400 Building	Exterior	Overhang beam	Wood	B	Peeling	Beige	Negative	0.7	0.4

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
438	4/5/23	Paint	400 Building	Exterior	Overhang cross members	Wood	C	Peeling	Beige	Negative	0.7	< LOD
439	4/5/23	Paint	400 Building	Exterior	Window header	Wood	B	Intact	Beige	Positive	0.7	1.3
440	4/5/23	Paint	400 Building	Exterior	Window frame	Metal	B	Intact	Beige	Positive	0.7	2.1
441	4/5/23	Paint	400 Building	Exterior	Window casing	Metal	B	Intact	Beige	Positive	0.7	8
442	4/5/23	Paint	400 Building	Exterior	Downspout	Metal	B	Peeling	Red	Positive	0.7	1.8
443	4/5/23	Paint	400 Building	Exterior	Backpack rack	Wood	B	Intact	Beige	Negative	0.7	< LOD
444	4/5/23	Paint	400 Building	Exterior	Pipe	Metal	B	Peeling	Red	Negative	0.7	< LOD
445	4/5/23	Paint	400 Building	Exterior	Wall	Stucco	B	Intact	Red	Negative	0.7	< LOD
446	4/5/23	Paint	400 Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	< LOD
447	4/5/23	Paint	400 Building	Exterior	Wall	Brick	D	Intact	Red	Negative	0.7	< LOD
448	4/5/23	Paint	400 Building	Exterior	Vent	Metal	D	Intact	Red	Negative	0.7	< LOD
449	4/5/23	Paint	400 Building	Exterior	Vent	Metal	D	Intact	Red	Negative	0.7	< LOD
450	4/5/23	Paint	400 Building	Exterior	Fascia	Wood	Lower	Intact	Green	Negative	0.7	0.4
451	4/5/23	Paint	400 Building	Exterior	Drip edge	Metal	D	Intact	Green	Negative	0.7	< LOD
452	4/5/23	Paint	400 Building	Exterior	Conduit	Metal	D	Intact	Red	Negative	0.7	< LOD
453	4/5/23	Paint	400 Building	Exterior	Gutter	Metal	B	Peeling	Green	Negative	0.7	< LOD
454	4/5/23	Paint	400 Building	Exterior	Wall signage	Brick	B	Intact	Black	Negative	0.7	< LOD
455	4/5/23	Paint	400 Building	Exterior	Ribbed conduit	Metal	B	Intact	Red	Positive	0.7	1.3
456	4/5/23	Paint	500 Building	Exterior	Wall	Brick	A	Intact	Red	Negative	0.7	< LOD
457	4/5/23	Paint	500 Building	Exterior	Wall	Brick	B	Intact	Red	Negative	0.7	< LOD
458	4/5/23	Paint	500 Building	Exterior	Wall signage	Brick	B	Intact	Black	Negative	0.7	< LOD
459	4/5/23	Paint	500 Building	Exterior	Door frame trim	Wood	B	Intact	Beige	Negative	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
460	4/5/23	Paint	500 Building	Exterior	Door frame	Metal	B	Intact	Blue	Negative	0.7	< LOD
461	4/5/23	Paint	500 Building	Exterior	Door	Metal	B	Intact	Blue	Negative	0.7	< LOD
462	4/5/23	Paint	500 Building	Exterior	Backpack rack	Wood	B	Peeling	Beige	Negative	0.7	< LOD
463	4/5/23	Paint	500 Building	Exterior	Window frame	Metal	B	Intact	Beige	Positive	0.7	2.7
464	4/5/23	Paint	500 Building	Exterior	Window casing	Metal	B	Intact	Beige	Positive	0.7	2.1
465	4/5/23	Paint	500 Building	Exterior	Transom	Wood	B	Intact	Beige	Positive	0.7	1
466	4/5/23	Paint	500 Building	Exterior	Window header	Wood	B	Intact	Beige	Positive	0.7	1
467	4/5/23	Paint	500 Building	Exterior	Overhang	Wood	B	Peeling	Beige	Negative	0.7	0.4
468	4/5/23	Paint	500 Building	Exterior	Overhang beam	Wood	B	Peeling	Beige	Negative	0.7	< LOD
469	4/5/23	Paint	500 Building	Exterior	Overhang cross members	Wood	B	Peeling	Beige	Negative	0.7	< LOD
470	4/5/23	Paint	500 Building	Exterior	Fascia beam	Wood	B	Peeling	Beige	Negative	0.7	0.5
471	4/5/23	Paint	500 Building	Exterior	Fascia beam	Wood	B	Peeling	Beige	Negative	0.7	< LOD
472	4/5/23	Paint	500 Building	Exterior	Fascia	Wood	B	Peeling	Green	Negative	0.7	< LOD
473	4/5/23	Paint	500 Building	Exterior	Gutter	Metal	B	Peeling	Green	Negative	0.7	< LOD
474	4/5/23	Paint	500 Building	Exterior	Wall panel	Wood	B	Intact	Red	Negative	0.7	< LOD
475	4/5/23	Paint	500 Building	Exterior	Window frame	Metal	B	Intact	Beige	Positive	0.7	2.3
476	4/5/23	Paint	500 Building	Exterior	Backpack rack	Wood	B	Intact	Beige	Negative	0.7	< LOD
477	4/5/23	Paint	500 Building	Exterior	Downspout	Metal	B	Intact	Red	Negative	0.7	0.4
478	4/5/23	Paint	500 Building	Exterior	Conduit	Metal	B	Intact	Red	Negative	0.7	< LOD
479	4/5/23	Paint	500 Building	Exterior	Ribbed conduit	Metal	B	Intact	Red	Positive	0.7	2
480	4/5/23	Paint	500 Building	Exterior	Downspout	Metal	B	Intact	Beige	Negative	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
481	4/5/23	Paint	500 Building	Exterior	Electrical box	Metal	B	Intact	Gray	Negative	0.7	< LOD
482	4/5/23	Paint	500 Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	< LOD
483	4/5/23	Paint	500 Building	Exterior	Pipe	Metal	C	Intact	Red	Negative	0.7	< LOD
484	4/5/23	Paint	500 Building	Exterior	Vent	Metal	C	Peeling	Red	Negative	0.7	< LOD
485	4/5/23	Paint	500 Building	Exterior	Wall	Brick	D	Intact	Red	Negative	0.7	< LOD
486	4/5/23	Paint	500 Building	Exterior	Drip edge	Metal	D	Peeling	Green	Negative	0.7	< LOD
487	4/5/23	Paint	300 Building	Exterior	Roof pipe jack flashing	Metal	Roof	Intact	Gray	Negative	0.7	< LOD
488	4/5/23	Paint	300 Building	Exterior	HVAC unit	Metal	Roof	Chalking	Green	Negative	0.7	< LOD
489	4/5/23	Paint	300 Building	Exterior	Electrical box	Metal	Roof	Chalking	Gray	Negative	0.7	< LOD
490	4/5/23	Paint	300 Building	Exterior	HVAC unit	Metal	Roof	Chalking	Beige	Negative	0.7	< LOD
491	4/5/23	Paint	300 Building	Exterior	Roof pipe jack flashing	Metal	Roof	Intact	Gray	Positive	0.7	30.5
492	4/5/23	Paint	400 Building	Exterior	Roof pipe jack flashing	Metal	Roof	Intact	Gray	Positive	0.7	35
493	4/5/23	Paint	400 Building	Exterior	HVAC unit	Metal	Roof	Chalking	Green	Negative	0.7	< LOD
494	4/5/23	Paint	400 Building	Exterior	HVAC unit	Metal	Roof	Chalking	Beige	Negative	0.7	< LOD
495	4/5/23	Paint	400 Building	Exterior	Electrical box	Metal	Roof	Chalking	Gray	Negative	0.7	< LOD
496	4/5/23	Paint	500 Building	Exterior	Roof pipe jack flashing	Metal	Roof	Intact	Gray	Positive	0.7	81
497	4/5/23	Paint	500 Building	Exterior	HVAC unit	Metal	Roof	Chalking	Green	Negative	0.7	< LOD
498	4/5/23	Paint	500 Building	Exterior	HVAC unit	Metal	Roof	Chalking	Beige	Negative	0.7	< LOD
499	4/5/23	Paint	500 Building	Exterior	Electrical box	Metal	Roof	Chalking	Gray	Negative	0.7	< LOD
500	4/5/23	Paint	Covered Walkway 1	Exterior	Pole	Metal		Intact	Green	Negative	0.7	< LOD
501	4/5/23	Paint	Covered Walkway 1	Exterior	Ceiling beam	Metal		Intact		Negative	0.7	< LOD
502	4/5/23	Paint	Covered Walkway 1	Exterior	Ceiling	Metal		Poor	Beige	Positive	0.7	1.3

Little Lake City School District
Cresson Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
503	4/5/23	Paint	Covered Walkway 1	Exterior	Flashing	Metal	C	Intact	Beige	Negative	0.7	< LOD
504	4/5/23	Paint	Covered Walkway 1	Exterior	Roof	Metal		Cracked	Gray	Negative	0.7	< LOD
505	4/5/23	Paint	Covered Walkway 1	Exterior	Roof	Metal		Cracked	Gray	Negative	0.7	< LOD
506	4/5/23	Paint	Covered Walkway 2	Exterior	Pole	Metal		Intact	Green	Negative	0.7	< LOD
507	4/5/23	Paint	Covered Walkway 2	Exterior	Pole	Metal		Intact	Green	Negative	0.7	< LOD
508	4/5/23	Paint	Covered Walkway 2	Exterior	Ceiling beam	Metal		Intact	Beige	Negative	0.7	< LOD
509	4/5/23	Paint	Covered Walkway 2	Exterior	Conduit	Metal		Intact	Beige	Negative	0.7	< LOD
510	4/5/23	Paint	Covered Walkway 2	Exterior	Ceiling	Metal		Peeling	Beige	Negative	0.7	< LOD
511	4/5/23	Paint	Covered Walkway 2	Exterior	Ceiling	Metal		Peeling	Beige	Negative	0.7	< LOD
512	4/5/23	Paint	Covered Walkway 2	Exterior	Ceiling	Metal		Peeling	Beige	Negative	0.7	< LOD
513	4/5/23	Paint	Covered Walkway 2	Exterior	Gutter	Metal		Intact	Beige	Negative	0.7	< LOD
514	4/5/23	Paint	Covered Walkway 1	Exterior	Conduit	Metal		Intact	Beige	Negative	0.7	< LOD
515	4/5/23	Paint	100 Building	Exterior	Overhang beam	Wood	B	Cracked	Beige	Negative	0.7	< LOD
516	4/5/23	Paint	100 Building	Exterior	Overhang Cross Members	Wood	B	Peeling	Beige	Negative	0.7	< LOD

Little Lake City School District
Cresson Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
517	4/5/23	Paint	100 Building	Exterior	Fascia beam	Wood	B	Intact	Beige	Negative	0.7	< LOD
518	4/5/23	Paint	100 Building	Exterior	Window header	Wood	B	Cracked	Beige	Negative	0.7	< LOD
519	4/5/23	Paint	100 Building	Exterior	Window casing	Metal	B	Intact	Beige	Positive	0.7	2.5
520	4/5/23	Paint	Administration Building	Exterior	Vent	Metal	C	Intact	Red	Negative	0.7	< LOD
521	4/5/23	Paint	MPR Building	Rooftop 2	Fascia	Wood	A	Intact	Green	Negative	0.7	0.4
522	4/5/23	Paint	MPR Building	Rooftop 1	Fascia		B	Peeling	Green	Negative	0.7	< LOD
523	4/5/23	Paint			Calibrate					Positive	0.7	0.9
524	4/5/23	Paint			Calibrate					Positive	0.7	0.9
525	4/5/23	Paint			Calibrate					Positive	0.7	0.9
526	4/5/23	Paint			Shutter calibrate							0.68
527	4/5/23	Paint			Calibrate					Positive	0.7	1.1
528	4/5/23	Paint			Calibrate					Positive	0.7	1
529	4/5/23	Paint			Calibrate					Positive	0.7	1
530	4/5/23	Paint	Covered Walkway 2	Exterior	Flashing	Metal	D	Intact	Beige	Negative	0.7	< LOD
531	4/5/23	Paint	Covered Walkway 2	Exterior	Roof	Metal		Cracked	Gray	Negative	0.7	< LOD
532	4/5/23	Paint			Calibrate					Positive	0.7	1
533	4/5/23	Paint			Calibrate					Positive	0.7	1
534	4/5/23	Paint			Calibrate					Positive	0.7	1

APPENDIX C – LEAD HAZARD EVALUATION REPORT

APPENDIX D –XRF PERFORMANCE CHARACTERISTICS SHEET

Performance Characteristic Sheet

EFFECTIVE DATE: September 24, 2004

EDITION NO.: 1

MANUFACTURER AND MODEL:

Make: *Niton LLC*

Tested Model: *XLP 300*

Source: ¹⁰⁹Cd

Note: This PCS is also applicable to the equivalent model variations indicated below, for the Lead-in-Paint K+L variable reading time mode, in the XLI and XLP series:

XLI 300A, XLI 301A, XLI 302A, and XLI 303A.

XLP 300A, XLP 301A, XLP 302A, and XLP 303A

XLI 700A, XLI 701A, XLI 702A, and XLI 703A

XLP 700A, XLP 701A, XLP 702A, and XLP 703A

Note: The XLI and XLP versions refer to the shape of the handle part of the instrument. The differences in the model numbers reflect other modes available, in addition to Lead-in-Paint modes. The manufacturer states that specifications for these instruments are identical for the source, detector, and detector electronics relative to the Lead-in-Paint mode.

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Lead-in-Paint K+L variable reading time mode.

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm² (inclusive)

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm² in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm² film).

If readings are outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instruments into control before XRF testing proceeds.

SUBSTRATE CORRECTION:

For XRF results using Lead-in-Paint K+L variable reading time mode, substrate correction is not needed for:

Brick, Concrete, Drywall, Metal, Plaster, and Wood

INCONCLUSIVE RANGE OR THRESHOLD:

K & L MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm ²)
Results not corrected for substrate bias on any substrate	Brick	1.0
	Concrete	1.0
	Drywall	1.0
	Metal	1.0
	Plaster	1.0
	Wood	1.0

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated from the EPA/HUD evaluation using archived building components. Testing was conducted in August 2004 on 133 testing combinations. The instruments that were used to perform the testing had new sources; one instrument's was installed in November 2003 with 40 mCi initial strength, and the other's was installed June 2004 with 40 mCi initial strength.

OPERATING PARAMETERS:

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Substrate correction is not needed for brick, concrete, drywall, metal, plaster or wood when using Lead-in-Paint K+L variable reading time mode, the normal operating mode for these instruments. If substrate correction is desired, refer to Chapter 7 of the HUD Guidelines for guidance on correcting XRF results for substrate bias.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing. Use the K+L variable time mode readings.

Conduct XRF retesting at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below.

Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family housing a result is defined as the average of three readings. In multifamily housing, a result is a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF results.

Compute the average of all ten re-test XRF results.

Find absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to greater than the Retest Tolerance Limit a second time, then the inspection should be consider deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

For the Lead-in-Paint K+L variable reading time made, the instrument continues to re3ad until it is moved away from the testing surface, terminated by the user, or the instrument software indicates the reading is complete. The following table provides testing time information for this testing mode. The times have been adjusted for source decay, normalized to the initial source strengths as noted above. Source strength and type of substrate will affect actual testing times. At the time of testing, the instrument had source strengths of 26.6 and 36.6 mCi.

Testing Times Using K+L Reading Mode (Seconds)						
Substrate	All Data			Median for laboratory-measured lead levels (mg/cm ²)		
	25 th Percentile	Median	75 th Percentile	Pb<0.25	0.25≤Pb<1.0	1.0≤Pb
Wood Drywall	4	11	19	11	15	11
Metal	4	12	18	9	12	14
Brick Concrete Plaster	8	16	22	15	18	16

CLASSIFICATION RESULTS:

XRF results are classified as positive if they are greater than or equal to the threshold and negative if they are less than the threshold.

DOCUMENTATION:

A document titled *Methodology for XRF Performance Characteristic Sheets* provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges of thresholds for specific XRF instruments. For a copy of this document call the National lead Information Center Clearinghouse at 1-800-424-LEAD.

This XRF Performance Characteristic Sheet was developed by the Midwest Research Institute (MRI) and QuanTech, Inc., under a contract between MRI and the XRF manufacturer. HUD has determined that the information provided here is acceptable when used as guidance in conjunction with Chapter 7, Lead-Based Paint Inspection, of HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*.

Little Lake City School District

TECHNICAL SPECIFICATION

HAZARDOUS MATERIALS REMOVAL/IMPACT

EXTERIOR PAINTING AND MINOR REPAIR PROJECT

PADDISON ELEMENTARY SCHOOL
12100 CREWE STREET
NORWALK, CALIFORNIA 90650

Volume 1 of 1

EE Project No. 23-Z0187-0061

April 17, 2023



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DIVISION 1
GENERAL REQUIREMENTS

SECTION 01010
SCOPE OF WORK

1.1 **GENERAL:**

The work to be performed by the contractor comprises:

PROJECT: HAZARDOUS MATERIAL REMOVAL/IMPACT IN CONJUNCTION WITH THE CAMPUS-WIDE EXTERIOR PAINTING AND MINOR REPAIR PROJECT

OWNER: LITTLE LAKE CITY SCHOOL DISTRICT

1.2 **THE SITE:**

The work will be performed at the following site within the Little Lake City School District:

Site Location
Paddison Elementary School 12100 Crewe Street Norwalk, California 90650

The exact scope and limits of work are the sole responsibility of the Abatement Contractor, he/she shall determine and verify all conditions, quantities and situations adjoining his/her work and existing items. It is the responsibility of the Abatement Contractor and or prime trade to use trained personnel, proper personal protection and monitoring, wet methods, and compliant disposal of those materials that might be impacted during this project.

1.3 **POTENTIAL ASBESTOS HAZARD**

- A. Abatement Contractor is warned that unprotected exposure to asbestos fibers has been determined to significantly increase risk of incurring the following diseases: asbestosis, lung cancer, mesothelioma, and certain gastrointestinal cancers. Care must be taken to avoid releasing or causing to be released, asbestos fibers into the atmosphere. Within Code of Federal Regulations, Title 29, Section 1926.1101 (abbreviated as 29 CFR 1926.1101), the Occupational Safety and Health Administration (OSHA) has set standards for permissible exposure to airborne concentrations of asbestos fibers, methods of compliance, personal protective equipment, and other methods which must be utilized when working with, or in proximity to asbestos. In executing the contract, the Abatement Contractor certifies that he shall comply with all parts of this regulation, as well as any more stringent requirements as specified in this specification.
- B. Abatement Contractor shall presume that detectable levels of asbestos are present in all existing installed surfaces, except and unless objective information to the contrary is provided by the Owner, Owner's Representative, or Owner's Consultant. The Abatement Contractor shall be responsible for conformance with all applicable Cal/Occupational Safety and Health Administration (Cal/OSHA) Worker Protection and Cal/Environmental Protection Agency (EPA) Environmental Protection requirements pertaining to asbestos as applicable to the Abatement Contractor's work.

1.4 LEAD-BASED PAINT HAZARD

Lead has been used as a key ingredient in paint for many years. Cal/OSHA requires all employers of employees who work with materials that may be toxic, including lead-containing paint, to provide hazard communication and training to their employees. All contractors shall ensure that they are in compliance with all Cal/OSHA and applicable regulations. Additionally, the contractors shall observe the following work practices:

- Absolutely no dry sanding of painted surfaces.
- When surface cleaning is necessary for repainting, surfaces shall be wet-cleaned or HEPA vacuumed.
- Voids or ridges in painted surfaces shall be filled or "feathered" as necessary with compatible, non-lead containing products.
- Paint Film Stabilization is required where loose and flaky paint exists prior to component removal and/or demolition. A top coat sealer, lead-bloc or other encapsulation method, shall be applied throughout identified painted surfaces/components to prevent further lead-based paint (LBP) flaking during removal.
- All cleanup of debris shall include wet methods or use of a high efficiency particulate air (HEPA) filtered vacuum.
- All paint debris and disposable equipment/materials from surface preparation, demolition or other paint disturbance, shall be contained and removed from the site.

1.5 SCOPE OF WORK:

Contractor will follow the applicable abatement procedures listed below for that material. Where conflict among requirements or with these specifications exists, the more stringent requirements shall apply.

Hazardous Materials Removal: This Contract covers the furnishings of all labor and materials and proper disposal required for impacting of hazardous materials from the following areas:

A. Asbestos-Containing Materials – Removal:

1. Remove and dispose of asbestos-containing materials (ACM) asbestos-containing construction materials (ACCM) and presumed asbestos-containing construction materials (PACM) from areas designated by the various Prime Trades/Construction Manager and/or District as required for this project.
2. ***Contractor should work on no more than one (1) building at any one time. All work must be completed prior to starting an additional work area/building. If an area should fail clearance wipe sampling, contractor is to return to re-clean area at start of shift following receipt of sample results***
3. Clearance sampling will be accomplished via final visual and/or Phase Contrast Microscopy (PCM) or Transmission Electron Microscopy (TEM), whichever is appropriate, in accordance with AHERA Regulations (40 CFR 763).
3. Contractor shall use every effort to limit the number of multiple containment areas by combining as many rooms/areas as possible into one containment.

**Asbestos scope of work continues on the next page.
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Asbestos-Containing Materials Administration Building						
Item No.	Material Description	Type of work	Location	Quantity	ACM content	Applicable Haz. Mat'l section
01	No regulated asbestos-containing materials were identified as pertaining to the materials anticipated to be impacted by the Exterior Painting and Minor Repair Project.					

Asbestos-Containing Materials Multi-Purpose Building						
Item No.	Material Description	Type of work	Location	Quantity	ACM content	Applicable Haz. Mat'l section
02	No regulated asbestos-containing materials were identified as pertaining to the materials anticipated to be impacted by the Exterior Painting and Minor Repair Project.					

Asbestos-Containing Materials 100 Building						
Item No.	Material Description	Type of work	Location	Quantity	ACM content	Applicable Haz. Mat'l section
03	Sealant	Impact as stated in plans or requested by District	Throughout exterior side of the east windows at casing	5 Square Feet	2% Chrysotile	02078 HM

Asbestos-Containing Materials 400 Building						
Item No.	Material Description	Type of work	Location	Quantity	ACM content	Applicable Haz. Mat'l section
04	No regulated asbestos-containing materials were identified as pertaining to the materials anticipated to be impacted by the Exterior Painting and Minor Repair Project.					

Asbestos-Containing Materials 500 Building						
Item No.	Material Description	Type of work	Location	Quantity	ACM content	Applicable Haz. Mat'l section
05	No regulated asbestos-containing materials were identified as pertaining to the materials anticipated to be impacted by the Exterior Painting and Minor Repair Project.					

**Asbestos scope of work continues on the next page.
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Asbestos-Containing Materials 600 Building						
Item No.	Material Description	Type of work	Location	Quantity	ACM content	Applicable Haz. Mat'l section
06	No regulated asbestos-containing materials were identified as pertaining to the materials anticipated to be impacted by the Exterior Painting and Minor Repair Project.					

Asbestos-Containing Materials 700 Building						
Item No.	Material Description	Type of work	Location	Quantity	ACM content	Applicable Haz. Mat'l section
07	No regulated asbestos-containing materials were identified as pertaining to the materials anticipated to be impacted by the Exterior Painting and Minor Repair Project.					

Asbestos-Containing Materials Library/Media Center						
Item No.	Material Description	Type of work	Location	Quantity	ACM content	Applicable Haz. Mat'l section
08	No regulated asbestos-containing materials were identified as pertaining to the materials anticipated to be impacted by the Exterior Painting and Minor Repair Project.					

Asbestos-Containing Materials Portable 801						
Item No.	Material Description	Type of work	Location	Quantity	ACM content	Applicable Haz. Mat'l section
09	Roof mastic/caulking	Impact as stated in plans or requested by District	Throughout rooftop at penetrations and patched areas	25 Square Feet	2% Chrysotile	02074A HM

Asbestos-Containing Materials Portables 802 thru 806 and 900 thru 902						
Item No.	Material Description	Type of work	Location	Quantity	ACM content	Applicable Haz. Mat'l section
10	No regulated asbestos-containing materials were identified as pertaining to the materials anticipated to be impacted by the Exterior Painting and Minor Repair Project.					

**Asbestos scope of work continues on the next page.
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Asbestos-Containing Materials County Day Care Center (Portable 807/808)						
Item No.	Material Description	Type of work	Location	Quantity	ACM content	Applicable Haz. Mat'l section
11	Roof mastic	Impact as stated in plans or requested by District	Throughout rooftop at roof jacks, penetrations and patched areas	8 Square Feet	2% Chrysotile	02074A HM

Asbestos-Containing Materials Covered Walkway						
Item No.	Material Description	Type of work	Location	Quantity	ACM content	Applicable Haz. Mat'l section
12	Roofing coating material (on metal roof)	Impact as stated in plans or requested by District	Throughout rooftop	2,600 Square Feet	20% chrysotile	02074 HM 02076 hm
13	Texture coat	Impact as stated in plans or requested by District	Throughout ceilings and ceilings beams	2,600 Square Feet	2-12% chrysotile	02076 HM

END OF ASBESTOS SCOPE

B. Lead Abatement Procedures:

1. Remove and dispose of surfaces coated with lead-based paint/glaze from areas designated by the various prime trades and/or Construction Manager as required for construction of the Project. Some work may require only partial removal of the materials/components listed.
2. It is the responsibility of all contractors to use trained and certified personnel in accordance with California Department of Public Health (CDPH) and the Environmental Protection Agency's (EPA) Renovation, Repair, and Painting (RRP) regulations and use proper personal protection and monitoring, wet methods, and proper disposal of materials that might be impacted during this project.
3. Paint film stabilization is required where loose and flaky paint exist prior to component removal or demolition. A top coat sealer, lead-bloc or other encapsulation method, shall be applied to prevent further LBP flaking during removal.
4. For all surfaces scheduled for repainting, paint film stabilization will be required. Loose and flaky paint should be scraped and a top-coat compatible primer, lead-bloc or other encapsulation method, should be applied over intact areas for further surface preparation/painting by other trades.
5. Clearance sampling will be accomplished via lead wipe samples collected at random location throughout the work areas.

6. ***Contractor should work on no more than one (1) building at any one time. All work must be completed prior to starting an additional work area/building. If an area should fail clearance wipe sampling, contractor is to return to re-clean area at start of shift following receipt of sample results.***
7. The contractor shall be responsible for all testing required for the proper disposal of all lead-based paint and lead-containing waste materials. This will require testing using waste stream analysis by the TTLC, STLC, and TCLP methods successively, if necessary, to determine non-regulatory limits for disposal. Contractor shall ensure that the attending consultant monitors and is aware (in writing) of each specific material sampling for waste stream analysis. **This information must be provided to the consultant prior to the material being removed from the site for testing.** Materials shall not be removed from the site until such testing and its results are provided to the consultant.

**Lead scope of work starts on the next page.
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Lead-Based Paint Administration Building						
Item No.	Material Description	Type of work	Location	Quantity	Lead content Mg/cm²	Applicable Haz. Mat'l section
14	Metal window frames	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Throughout exterior	17 Window Banks	2.2	02093 HM 02095 HM
15	Wood overhangs and siding	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, sides A & C	20 Square Feet	1.2	02093 HM 02095 HM
16	Wood fascia	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior	210 Linear Feet	2	02093 HM 02095 HM
17	Metal door frame	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, side C (far east door)	1 Total	0.8	02093 HM 02095 HM
18	Wood transom	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, side D	1 Total	2	02093 HM 02095 HM

Lead-Based Paint Multi-Purpose Building						
Item No.	Material Description	Type of work	Location	Quantity	Lead content Mg/cm²	Applicable Haz. Mat'l section
19	Wood overhangs and siding	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Throughout exterior	950 Square Feet	7	02093 HM 02095 HM
20	Metal downspout	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Throughout exterior	5 Total	0.9	02093 HM 02095 HM
21	Metal door frame	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, side C at storage room	1 Total	0.8	02093 HM 02095 HM
22	Metal vent	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, side B upper vents	2 Total	1	02093 HM 02095 HM

**Lead scope of work continues on the next page.
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Lead-Based Paint 100 Building						
Item No.	Material Description	Type of work	Location	Quantity	Lead content Mg/cm²	Applicable Haz. Mat'l section
23	Wood transom	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, sides A & C above classroom doors	4 Total	1.6	02093 HM 02095 HM
24	Metal window frames	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Throughout exterior	34 Window banks	2.2	02093 HM 02095 HM
25	Wood overhangs and siding	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, sides A & C	1,500 Square Feet	3	02093 HM 02095 HM
26	Wood fascia	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Throughout exterior	320 Linear Feet	2.2	02093 HM 02095 HM

Lead-Based Paint 400 Building						
Item No.	Material Description	Type of work	Location	Quantity	Lead content Mg/cm²	Applicable Haz. Mat'l section
27	Metal Vent	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, side A	4 Total	1.1	02093 HM 02095 HM
28	Wood transom	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, side C above doors	8 Total	1.7	02093 HM 02095 HM
29	Metal window frames	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, side C	16 Window banks	1.5	02093 HM 02095 HM
30	Wood overhangs and siding	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, sides A & C	1,500 Square Feet	3	02093 HM 02095 HM
31	Wood fascia	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Throughout exterior	360 Linear Feet	1	02093 HM 02095 HM

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Lead-Based Paint 500 Building						
Item No.	Material Description	Type of work	Location	Quantity	Lead content Mg/cm ²	Applicable Haz. Mat'l section
32	Metal Vent	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, side A	4 Total	0.9	02093 HM 02095 HM
33	Wood transom	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, side C above doors	8 Total	2.3	02093 HM 02095 HM
34	Metal window frames	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, side C	16 Window banks	1	02093 HM 02095 HM
35	Wood overhangs and siding	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, sides A & C	1,500 Square Feet	1.9	02093 HM 02095 HM
36	Wood fascia	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Throughout exterior	360 Linear Feet	1.7	02093 HM 02095 HM

Lead-Based Paint 600 Building						
Item No.	Material Description	Type of work	Location	Quantity	Lead content Mg/cm ²	Applicable Haz. Mat'l section
37	Wood transom	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, side C above doors	8 Total	2.1	02093 HM 02095 HM
38	Metal window frames	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, side C	16 Window banks	1.7	02093 HM 02095 HM
39	Wood overhangs and siding	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, sides A & C	1,500 Square Feet	1.9	02093 HM 02095 HM
40	Wood fascia	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Throughout exterior	360 Linear Feet	1.1	02093 HM 02095 HM

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Lead-Based Paint 700 Building						
Item No.	Material Description	Type of work	Location	Quantity	Lead content Mg/cm²	Applicable Haz. Mat'l section
41	Metal Vent	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, side A	4 Total	0.9	02093 HM 02095 HM
42	Wood transom	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, side C above doors	8 Total	1.7	02093 HM 02095 HM
43	Metal window frames	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, side C	16 Window banks	1.8	02093 HM 02095 HM
44	Wood overhangs and siding	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, sides A & C	1,500 Square Feet	2.3	02093 HM 02095 HM
45	Wood fascia	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Throughout exterior	360 Linear Feet	2.1	02093 HM 02095 HM

Lead-Based Paint Covered Walkway						
Item No.	Material Description	Type of work	Location	Quantity	Lead content Mg/cm²	Applicable Haz. Mat'l section
46	Metal conduit	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Throughout ceiling	280 Linear Feet	2.9	02093 HM 02095 HM

Lead-Based Paint County Day Care Center (Portable 807/808)						
Item No.	Material Description	Type of work	Location	Quantity	Lead content Mg/cm²	Applicable Haz. Mat'l section
47	Wood overhangs	Removal/impact of component and/or surface preparation for repainting as indicated in plans or requested by District	Exterior, sides A thru D	500 Square Feet	1.3	02093 HM 02095 HM

**Lead scope of work continues on the next page.
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Lead-Based Paint Lunch Shelter						
Item No.	Material Description	Type of work	Location	Quantity	Lead content Mg/cm ²	Applicable Haz. Mat'l section
48	No regulated lead-based paint was identified as pertaining to the surfaces or components anticipated to be impacted by the Exterior Painting and Minor Repair Project.					

Lead-Based Paint Library/Media Center						
Item No.	Material Description	Type of work	Location	Quantity	Lead content Mg/cm ²	Applicable Haz. Mat'l section
49	No regulated lead-based paint was identified as pertaining to the surfaces or components anticipated to be impacted by the Exterior Painting and Minor Repair Project.					

Lead-Based Paint Portables (801 thru 806 and 900 thru 902)						
Item No.	Material Description	Type of work	Location	Quantity	Lead content Mg/cm ²	Applicable Haz. Mat'l section
50	No regulated lead-based paint was identified as pertaining to the surfaces or components anticipated to be impacted by the Exterior Painting and Minor Repair Project.					

END OF LBP SCOPE

END OF SCOPE OF WORK

1.6 WORK PLAN:

A preliminary work plan and proposed schedule shall be submitted with the bid form. Detailed work plan to be submitted within five (5) days of award of contract. At a minimum, the plan must include the following items:

- A. **Project schedule:** Include the proposed shifts, time, and manpower (include number of men per shift).
- B. **Detailed Work Plan:**
 - 1. **Protective Equipment:** Specifying protective equipment (respiratory and body protection).
 - 2. **Layout and Location on a drawing for each phase of work:**
 - a. **Decontamination:** Decontamination areas.

- b. **Work Area:** Work area location, waste out area, location of equipment (staging area).
- c. **Waste Bin:** Location of waste bins.
- 3. **Document for each phase of work:**
 - a. **Containment:** Containment construction and methods.
 - b. **Disposal:** Disposal plan to include transporter and landfill name.
 - c. **Removal Methods:** Removal methods to prohibit visible emissions. Specific techniques/procedures for each material to be abated.
 - d. **Air monitoring firm/lab:** For conducting/analysis of personal samples.
 - e. **Levels of respiratory protection:** Provide levels of respiratory protection for each type of removal (e.g., floor tile, drywall).
 - f. **Equipment:** Equipment assigned to the project.
- C. **Removal Methods:** In compliance with local, state, and federal requirements for asbestos removal.
- D. **Contacts:** Point of contact for questions.
- E. **Security/Fire Watch Plan:** Names, qualifications, etc. (if applicable).

1.7 **SITE ACCESS**

Site access is available during the days and hours as specified in bid and pre-construction meetings.

END OF SECTION

SECTION 01011 HM

**ADDITONAL CONDITIONS FOR
HAZARDOUS MATERIALS WORK**

1.1 GENERAL:

- A. The work to be performed by the HAZARDOUS MATERIALS CONTRACTOR is defined in the methodologies of the Hazardous Materials Specifications as referenced, the General and Special Conditions, Division1/General Requirements, all special requirements, Section 01011 HM and specifically outlined in the Scope of Work.
- B. As further clarification the following apply to this contract:
1. This Contract covers the furnishings of all labor and materials and compliant disposal of hazardous materials impacted as required by the scope of work. Some work may require only partial removal of the materials listed.
 2. It is the responsibility of the Abatement Contractor and/or prime trade to use trained personnel, proper personal protection and monitoring, wet methods and compliant disposal of those materials which might be impacted during this project.
 3. The District has made every attempt to identify all materials which will be impacted by this project. Except for those materials where objective information is provided to the contrary by the Owner, Owner's Representative, or Owner's Consultant the Abatement Contractor shall presume that detectable levels of asbestos are present in all remaining materials. If the Contractor is to impact materials, the contractor shall contact the Owner or Owner's representative prior to such impact.
 4. The Abatement Contractor shall be responsible for conformance with all applicable Cal/OSHA Worker Protection and Cal/EPA Environmental Protection and South Coast Air Quality Management District requirements pertaining to asbestos and/or lead paint as applicable to the Abatement Contractor's work.
 5. Hazardous Materials Contractor shall use California Department of Public Health (CDPH) and the Environmental Protection Agency's (EPA) Renovation, Repair, and Painting (RRP) trained and certified personnel for all lead-related work. In addition, Hazardous Material Contractor must also be certified as a firm in accordance with the EPA's RRP regulation.
 6. Contractor should work on no more than one (1) building at any one time. All work must be completed prior to starting an additional work area/building. If an area should fail clearance wipe sampling, contractor is to return to re-clean area at start of shift following receipt of sample results.
 7. **Area clearance for lead:** For lead, all clearance wipes shall be randomly performed for those areas impacted through refinishing/repainting where scraping of LBP has occurred.
 8. Contractor will follow the applicable abatement procedures listed in this scope of work. Where conflict among requirements or within these specifications exists, the more stringent requirements shall apply.
 9. Provide an English-speaking On-site Competent Person who is able to understand and carry out the work set forth in the contract documents.
 10. Have fully staffed and capable crews working simultaneously on separate areas as necessary to maintain the project schedule. This is to include working multiple shifts, off-hours construction, and weekends at no additional cost to the owner.
 11. Be responsible for cooperation and coordination with school programs, Contractors of other Bid Packages, Testing Lab, local regulatory agencies, and Utility Companies.

12. Provide to District's Project Consultant satisfactory proof that the appropriate regulatory notification(s) has/have been issued and validation of a signed copy of the Contract with the District.
13. Supply power cords, distribution boxes, adapters, etc., as necessary to complete the work of this Bid package within the prescribed time frame and as such allows the District's Environmental Consultant to have access to five (5) free outlets per containment at any one time. Power will be supplied to locations within 25 feet of each containment/regulated area at no cost to the Environmental Consultant.
14. Provide task lighting as required to facilitate the work of the Bid Package in a timely manner according to the construction schedule. Provide sufficient task lighting to facilitate work of good quality. Provide sufficient task lighting for the Consultant during visual inspections and during clearance testing.
15. Normal hours of construction are from 7:00 am to 5:00 pm on a daily basis or as directed by District. Actual construction hours may be revised as project constraints may vary.
16. Provide and maintain sufficient hazardous waste containers to accommodate the hazardous waste generated on a daily basis. Full waste bin must be removed within two (2) days after bin is full. Waste and waste containers must be removed within two days (2) after the scheduled or agreed upon ending of project.
17. Maintain a clean work area. Perform a thorough clean-up of the area on a daily basis. All hazardous waste **MUST** be removed from the work area and stored in a locked waste bin.
18. Where areas are accessible from the exterior and cannot be secured because of containment restrictions, Hazardous Materials Contractor shall provide either 24-hour security or construct such a secured barrier while allowing Work Area accessibility to Emergency personnel, the Environmental Consultant, and the District at all times.
19. Hazardous Materials Contractor shall submit a detailed work plan and proposed schedule within five (5) days of award of contract. At a minimum, the plan must include the following items:
 - a. **Project schedule:** Include the proposed shifts, time, and manpower (include number of employees per shift).
 - b. **Detailed Work Plan:**
 - (1) Protective Equipment: Specifying protective equipment (respiratory and body protection)
 - (2) Layout and Location on a drawing for each phase of work:
 - (a) Decontamination: Decontamination areas
 - (b) Work Area: work area location, waste out area, location of equipment (staging area), location of negative air machines.
 - (c) Waste Bin: Location of waste bins
 - (3) Document for each phase of work:
 - (a) Containment: Containment construction and methods
 - (b) Disposal: Disposal plan to include transporter and landfill name
 - (c) Removal Methods: Removal methods to prohibit visible emissions. Specific techniques/procedures for each material to be removed.
 - (d) Air monitoring firm/lab: For conducting analysis of personnel samples.

- (e) Levels of Respiratory Protection: Provide levels of respiratory protection for each type of removal (e.g., floor tile, drywall, etc.).
- (4) Equipment: Equipment assigned to the project.
- (5) Negative Air Machines: Number of negative air machines, in use at any one time.
Number of back-up negative air machines for this phase.
- c. **Specific Removal Methods**: In compliance with local, state and federal requirements for the abatement procedures.
- d. **Contacts**: Point of contact for questions.
- e. **Security/Fire Watch Plan**: Names, qualifications, etc. (if applicable)

SECTION 02071 HM
ASBESTOS REMOVAL

PART 1 - GENERAL

1.1 **SCOPE:**

This Specification covers the abatement of friable asbestos-containing materials as described in Section 01010 HM, Scope of Work.

1.2 **DESCRIPTION OF WORK:**

A. **General:** The Work specified herein shall be the removal of asbestos-containing material by persons knowledgeable, qualified, and trained in the removal, treatment, handling, and disposal of asbestos-containing material, and the subsequent cleaning of the affected environment, and who comply with Federal, State, and Local regulations which mandate work practices, and who are capable of performing the Work of this Contract.

B. The Contractor shall supply all labor, materials, equipment, services, insurance, and incidentals which are necessary or required to perform the Work in accordance with applicable governmental regulations and these Specifications.

C. **Related Work Specified Elsewhere:**

Please refer to Section 01010 HM, Scope of Work

1.3 **TERMINOLOGY:**

The following terms used in these Specifications are defined as listed below:

A. **Abatement:** Procedures to control fiber release from asbestos-containing building materials. Includes securing the Work area, removing the material, cleaning the area, and disposal of the material.

B. **Access Doorway:** A device to allow ingress and egress from one room to another while permitting minimal air movement between the rooms, typically constructed by placing two or three overlapping sheets of plastic over an existing or temporarily framed doorway, securing each along the top of the doorway, securing the vertical edge of one sheet along one vertical side of the doorway, and securing the vertical edge of the other sheet along the opposite vertical side of the doorway; or by using a rigid gasket door and HEPA filter vents.

C. **ACCM:** Asbestos Containing Construction Material which contain one-tenth of a percent or greater, but not greater than one percent asbestos.

D. **ACM:** Asbestos Containing Material is a material which contains greater than one percent asbestos.

E. **Air Filtration Equipment:** A portable local filtration system equipped with HEPA filtration and capable of maintaining a constant, low velocity flow to filter and trap

contamination out of the air within the work area and then circulate or exhaust the filtered air to uncontaminated areas. This equipment is also used to establish a reduced pressure within the work area.

- D. **Air Monitoring:** The process of measuring the fiber content of a specific volume of air in a stated period of time.
- F. **Air Lock:** A system for permitting ingress and egress with minimum air movement between a contaminated area and an uncontaminated area, consisting of dual or triple curtained doorways or rigid gasket doors separated by a dead air space of four feet.
- G. **Air Sampling Professional:** The professional contracted or employed to supervise air monitoring and technical deficiencies in Worker protection equipment and procedures during both planning and on-site phases of an abatement project. This individual shall be a certified California Site Surveillance Technician or a California Certified Asbestos Consultant and have specialized experience in air sampling for asbestos.
- H. **Amended Water:** Water to which a surfactant has been added.
- I. **Area Monitoring:** Sampling of asbestos fiber concentrations within the asbestos Work Area and outside the asbestos Work Area which is representative of the airborne concentrations of asbestos fibers which may reach the breathing zone.
- J. **Asbestos:** The term asbestos includes Chrysotile, Amosite, Tremolite, Anthophyllite, and Actinolite.
- K. **Asbestos Fibers:** This expression refers to asbestos fibers having an aspect ratio of 3:1 and longer than 5 micrometers.
- L. **ASTM:** American Society for Testing and Materials.
- M. **Authorized Person or Visitor:** The building owners, or their authorized representative, Contractor's representative, or any representative of a regulatory or other agency having jurisdiction over the Project.
- N. **Ceiling Concentration:** An exposure of airborne concentrations of asbestos fibers at any time in excess of 10 fibers per cubic centimeters of air.
- O. **CFR:** Code of Federal Regulations.
- P. **Clean Room:** An uncontaminated area or room which is a part of the Work decontamination facility with provisions for storage of worker's street clothes and protective equipment.
- Q. **Curtained Doorway:** A device to allow ingress and egress from one room to another while permitting minimal air movement between the rooms, typically constructed by placing two overlapping sheets of plastic over an existing or temporarily framed doorway, securing each along the top of the doorway, securing the vertical edge of one sheet along one vertical side of the doorway, and securing the vertical edge of the other sheet along the opposite vertical side of the doorway.

- R. **Decontamination Facility:** A series of connected rooms, with access doorways between any two adjacent rooms, for the decontamination of workers and of materials and equipment. A decontamination facility always contains at least one air lock.
- S. **Encapsulant (sealant):** A liquid material which can be applied to asbestos containing material and which controls the possible release of asbestos fiber from the material either by creating a membrane over the surface (bridging encapsulant) or by penetrating into the material and binding its components together (penetrating encapsulant).
- T. **Encapsulation:** Procedures necessary to apply an encapsulant to asbestos containing building materials to control the possible release of asbestos fibers into the ambient air.
- U. **Encasement:** Procedures necessary to apply an encasement product to an asbestos containing building material to control the possible release of asbestos fibers into the ambient air and to provide closure of the asbestos material to the substrate.
- V. **Enclosure:** Procedures necessary to enclose completely asbestos containing material behind airtight, impermeable, permanent barriers.
- W. **Equipment Decontamination Facility:** That portion of a decontamination unit designed for controlled transfer of materials and equipment, typically consisting of a washroom and a holding area.
- X. **Equipment Room:** A contaminated area or room which is part of the worker decontamination facility with provisions for storage of contaminated clothing and equipment.
- Y. **Fixed Object:** A unit of equipment or furniture in the Work area which cannot be removed from the Work area.
- Z. **Friable Asbestos Material: Asbestos Containing Material (ACM) or Asbestos Containing Construction Material (ACCM)** that can be crumbled, pulverized, or reduced to powder by hand pressure when dry.
- AA. **Glovebag Technique:** A method with limited applications for removing small amounts of friable asbestos-containing material from HVAC ducts, short piping runs, valves, joints, elbows, and other non-planar surfaces in a non-contained work area. The glovebag assembly is a manufactured or fabricated device consisting of a glovebag (typically constructed of 6-mil transparent regulate plastic), two inward projecting long sleeve rubber gloves, one inward projecting water-wand sleeve, an internal tool pouch, and an attached, labeled receptacle for asbestos waste. The glovebag is constructed and installed in such a manner that it surrounds the object or area to be decontaminated and contains all asbestos fibers released during the removal process. All workers who are permitted to use the glovebag technique must be highly trained, experienced, and skilled in this method.

- BB. **HEPA Filter:** A high efficiency particulate air (HEPA) filter capable of trapping and retaining 99.97 percent of particles (asbestos fibers) greater than 0.3 micrometers in mass median aerodynamic equivalent diameter.
- CC. **HEPA Vacuum Equipment:** Vacuuming equipment with a HEPA filter system.
- DD. **Holding Area:** A chamber in the equipment decontamination facility located between the washroom and an uncontaminated area. The holding area comprises an air lock.
- EE. **Log Book:** A notebook or other book containing essential project data and daily project information and a daily project diary. This book is kept on the Project site at all times.
- FF. **Mini-Enclosure:** A method with limited applications for removing small amounts of friable asbestos containing material typical for small-scale, short duration type projects.
- GG. **Movable Object:** A unit of equipment or furniture in the Work area which can be removed from the Work area.
- HH. **NESHAPS:** National Emission Standards for Hazardous Air Pollutants.
- II. **Negative Air Pressure Equipment:** A portable local exhaust system equipped with HEPA filtration and capable of maintaining constant, low velocity airflow into contaminated areas from adjacent uncontaminated areas.
- JJ. **NIOSH:** National Institute of Occupational Safety and Health.
- KK. **Non-Friable Asbestos Material:** Material that contains asbestos in which the fibers have been locked in by a bonding agent, coating, binder, or other material so that the asbestos is well bound and will not release fibers in excess of the asbestos control limit during any appropriate use, handling, demolition, storage, transportation, processing, or disposal. Also a material which cannot easily be crumbled, pulverized, or reduced to powder by hand pressure when dry.
- LL. **Personnel Monitoring:** Sampling of asbestos fiber concentrations within the breathing zone of an asbestos Worker.
- MM. **Plasticize:** To cover floor, walls, and other surfaces with plastic sheeting as herein specified.
- NN. **Removal:** All herein specified procedures necessary to remove asbestos-containing materials from the designated areas and to dispose of these materials at an acceptable site.
- OO. **Shower Room:** A room between the clean room and the equipment room in the worker decontamination unit with hot and cold or warm running water and suitably arranged for complete showering during decontamination. The shower room comprises an air lock between contaminated and clean areas.

- PP. **Surfactant:** A chemical wetting agent added to water to improve penetration.
- QQ. **Washroom:** A room between the Work area and the holding area in the equipment decontamination area; or between the equipment room and non-work area (2-stage decontamination unit). The washroom comprises an air lock.
- RR. **Wet Cleaning:** The process of eliminating asbestos-contamination from building surfaces and objects by using cloths, mops, or other cleaning tools which have been dampened with water, and by afterwards disposing of these cleaning tools as asbestos-contaminated waste.
- SS. **Work Area:** Designated rooms, spaces, or areas of the Project in which asbestos abatement actions are to be undertaken or which may become contaminated as a result of such abatement actions. A contained work area is a work area which has been sealed, plasticized, and equipped with a decontamination enclosure system. A non-contained work area is an isolated or controlled-access work area which has not been plasticized nor equipped with a decontamination enclosure system.
- TT. **Worker Decontamination Facility:** That portion of a decontamination facility designed for controlled passage of workers, and other personnel and authorized visitors, typically consisting of a clean room, a shower room, and an equipment room.

1.4 **APPLICABLE DOCUMENTS:**

The current issue of each document shall govern. Where conflict among requirements or with these Specifications exists, the more stringent requirements shall apply.

- A. **Regulations:** Comply with applicable federal, state, and local regulations.
1. General - Codes, regulations and references applicable to asbestos abatement work include but are not limited to the following:
 2. All Federal, State, Local, and South Coast Air Quality Management District regulations.
 3. American National Standards Institute (ANSI) publications;

Z9.2-79	Fundamentals Governing the Design and Operation of Local Exhaust Systems
Z87.1-79	Occupational and Educational Eye and Face Protection
Z88.2-80	Practices for Respiratory Protection
Z89.1-81	Requirements for Protective Headgear for Industrial Workers
Z41-83	Personal Protection - Protective Footwear

- Z88.6-84 Respiratory Protection - Respiratory use Physical Qualifications for Personnel
4. American Society for Testing and Materials (ASTM) publications;
- D331-56 Surface and Interfacial Tensions of Solutions of Surface Active Agents
5. Code of Federal Regulations (CFR);
- 29 CFR 1910.12 Construction Work
- 29 CFR 1910.20 General Safety and Health Provisions Access to Employee Exposure and Medical Records
- 29 CFR 1910 Subpart 1, Personal Protective Equipment
- 29 CFR 1910.145 Specifications for Accident Prevention Signs and Tags
- 29 CFR 1926.1101 Asbestos
- 29 CFR 1926 Asbestos, Tremolite, Anthophyllite, and Actinolite (Including All Mandatory Appendices)
- 34 CFR 231 Appendix C, Procedures for Containing and Removing Building Materials Containing Asbestos
- 40 CFR 61 Subpart A and Subpart M, USEPA, National Emission Standards for Hazardous Air Pollutants (NESHAPS)
6. Compressed Gas, Inc.
- G-7.1 Commodity Specification for Air (1973)
7. National Fire Protection (NFPA)
- No. 70.1984 National Electrical Code
8. UL 586-77 (R1982) Test Performance of High Efficiency Particulate Air Filter Units (June 10, 1977, 5th Ed.; Rev. March 12, 1982)
9. National Institute for Occupation Safety and Health (NIOSH)
- N31, 3rd. Ed., Vol. 1 Manual of Analytical Methods, Method 7400 Fibers
10. Environmental Protection Agency Documents:

EPA 530-SW-85-007	Asbestos Waste Management Guidance, May 1985
EPA 560/5-85-024	Guidance for Controlling Asbestos Containing Material in Buildings, June 1985
EPA 600/4-85-049	Measuring Airborne Asbestos Following and Abatement Action, November 1985
EPA 560 OPTS-86.001	A Guide to Respiratory Protection for the Asbestos Abatement Industry, April 1986

11. Department of Transportation (DOT)

DOT 49 CFR, Parts 171-177 regarding the transport of hazardous materials.

12. California Administrative Code (CAC)

Title 8, Article 2.5 Registration Asbestos-Related work (Section 341.6 through 341.14)

Title 8, Section 5208 General Industry Safety Orders, Asbestos Regulations

Title 22, Division 4, Minimum Standards for Management of Hazardous Chapter 30 and Extremely Hazardous Waste

13. Air Pollution Control District Regulations

South Coast Air Quality Management District Rule 1403

B. **Codes and Ordinances:** Comply with all state, county, and city codes and ordinances as applicable.

1.5 SUBMITTALS AND NOTICES:

Prior to commencement of work and/or within the time-frames specified below:

A. **General:** Requirements are as set forth in the General Conditions and Supplementary Conditions (Owner's) for items required to be submitted under this section.

B. **Product data:** Shall include manufacturer's product data, specifications, samples and application instructions and other pertinent information as necessary.

C. **Alternatives:** Product substitution submittal shall be in accordance with the General Conditions and Supplementary (Owner's) Conditions.

D. **Procedure Plans and Shop Drawings:** Submit to the Owner's consultant Procedure Plans and Shop Drawings and ensure that they are in compliance with this Specification and applicable regulations. Shop Drawings will include: construction of decontamination enclosure systems and/or facilities; isolation of the Work areas; placement of negative air machines and their exhaust, emergency exits, and placements of fire extinguishers and first aid kits.

1. Personal monitoring procedures in accordance with T8 CCR 1529.
2. Phasing of abatement work indicating daily roster of workers for each phase.
3. Security system warning signs locations in accordance with 29 CFR 1910.245, T8 CCR 1532.1, and T8 CCR 1529.
4. Detailed plans for decontamination facilities, toilets, and systems providing inter-room and work area to outside communication showing connections to existing building.
5. Standard procedures for protecting workers, visitors, and employees and protection of spaces outside work area from contamination.
6. Engineering systems exposure control indicating number, location, and capacity of supply and exhaust systems, the expected direction of flow, and the range of expected negative air pressure in each area.

E. **Qualifications: For Public Bid Projects** submit the following documents within seven (7) days from Notice to Proceed or by contract requirements, whichever is greater

1. **License:** Submit copy of current contractor license from the California Contractors State License Board.
2. **Insurance:** Submit copy of current insurance as required to perform work and as required by the General and Hazardous Materials specifications and Owner and Owner's representative.
3. **Registration:** Submit copy of the registration for Asbestos-Related Work from the Division of Occupational Safety and Health in accordance with Title 8, Article 2.5 of the California Administrative Code.
4. **Personnel Training-Superintendent and Foreman (Competent Person):** Submit copy of current certificate signed training institution that he or she has successfully completed a training course in asbestos abatement project supervision (Competent Person) offered by an EPA endorsed and Cal-OSHA accredited educational institution.
5. **Personnel Training-Workers:** Submit copy of the asbestos abatement employee training program, and certificates signed by each employee that he or she has had instructions on the hazards of asbestos exposure, has had training in asbestos removal, and understands this instruction. Submit copy of current certificate signed by the training institution that he or she has successfully completed a course (or refresher) in asbestos abatement worker training offered by an EPA endorsed and Cal-OSHA accredited educational institution.
6. **Personal Protection and Exposure Understanding:** Submit documentation to the Owner's consultant indicating that each employee has had instruction on the

hazards of asbestos exposure, on use and fitting of respirator, on protective dress, on use of showers, on entry and exit from work areas, and on all aspects of work procedures and protective measures and understands this instruction.

7. **Respirators:** Submit a written standard operating procedure governing selection, fit-testing, and use of respirators in accordance with 29 CFR 1910, Subpart 1, 29 CFR 1926.1101, CGAI Standard G7.1, ANSI Z88.2, and Z88.6. Also submit manufacturer's certification that the respirators to be used in this project comply with these regulatory requirements.
8. **Medical Examination:** Submit proof that personnel who will be entering contaminated areas have had medical examinations, and furnish the results of said exam to Owner's consultant. Comply with 29 CFR 1910.20 for access to employee exposure and medical records.
 - a. **Exam and History:** Before exposure to airborne asbestos, provide each employee with a comprehensive medical exam meeting the general definition outlined in California Administration Code Title 8 California Code of Regulations. No employee shall be allowed to enter the Work Area without having first provided a copy of his Medical History to the Owner's Representative.
 - b. **Employee Roster:** Submit an employee roster to Owner's consultant for each Work shift and confirm in writing within 24 hours of commencement of shift. The roster will consist of a list of employees who have received training and medical examinations per paragraphs Part 1.5, E.4, E.5, E.6, and E.8 of this section. A copy of this list is to be maintained in the Project Logbook.
 - c. **Proof of Documentation to Physician:** Contractor must provide verification to the Owner's consultant that the employer has provided the following information to the examining physician or physicians:
 - i. A copy of OSHA regulation Standard 29 CFR 1926.1101 and Appendices D, E, and F.
 - ii. A description of the affected employee's duties as they relate to the employee's exposure.
 - iii. The employee's representative exposure level or anticipated exposure level.
 - iv. A description of any personal protective and respiratory equipment used or to be used.
 - v. Information from previous medical examinations of the affected employee
 - vi. that is not otherwise available to the examining physician.

F. Notifications, Permits, Communications, and Postings.

1. **Submit copies of notifications to all appropriate Government agencies, including the following:**
 - a. CAL-OSHA (310) 949-7827 Notification shall be in accordance with the Section 341.9 of Title 8 of California Administrative Code.
 - b. South Coast Air Quality Management District (If required) Hazardous Materials Section:

21865 Copely Drive
Diamond Bar, CA 91765-8142
(909) 396-2336
 - c. Any Notifications to EPA.
 - d. All Notifications and Copies of Government agency correspondence shall be included in the submittals and copies are to be kept in the Project Logbook.
 - e. Where local police and fire departments have jurisdiction, secure approval of the proposed security and safety plans for the work prior to submittal to Owner's Representative. Contact both departments for the requirements of the approval process.
2. **Proof of Permits, Site Requirements and Disposal of Waste:** Submit proof satisfactory to the Owner's consultant that all required permits, site location, and arrangements for transport and disposal of asbestos containing materials, supplies, and the like have been obtained. Copies of these items are to be kept in the Project Log Book
3. **Safety Compliance:** In addition to detailed requirements of this Specification, comply with laws, ordinances, rules, and regulations of federal, state, regional, local authorities, and Owner's representative regarding handling, storing, transporting, and disposing of asbestos waste materials. Comply with applicable requirements of the current issue of 29 CFR 1910, 29 CFR 1926.1101, and 40 CFR 61, Subparts A, & M, 40 CFR 61.152, and CAC Section 5208.
4. **Standards Interpretations:** Submit matters of interpretation of standards to the appropriate administrative agency for resolution before starting Work. Where requirements of this Specification and reference documents vary, the most stringent requirement shall apply.
5. **Availability of Regulatory References:** Contractor shall have at least one copy each of 29 CFR 1910, 29. CFR.1910.134; 29 CFR 1926, 40 CFR Part 261, and CAC, Title 8, Section 5208, at his office and also at the job site.
6. **Posting of Caution Signs:** Before the commencement of any Work at the site, post bilingual EPA and CAL-OSHA caution signs in and around the Work Area to comply with EPA and OSHA regulations.

7. **Submit Training and Certifications:** Submit proof to the Owner's consultant that all asbestos workers assigned to this project are currently Cal-OSHA certified and accredited as an Asbestos Worker under the Asbestos Hazard Emergency Response Act. Submit proof to the Owner's consultant that at least one employee on each shift shall be currently Cal-OSHA certified and accredited as a Supervisor and shall have successfully completed in the last 12 months a course of instruction meeting the requirement for "Competent Person" (29 CFR 1926.1101).
8. **Project Logbook Submittals:** Submit front-end documents of Project Logbook. These documents will include copies of the Contractor's Respiratory Protection Program, HUD, and OSHA documents, worker decontamination procedures, equipment decontamination procedures, authorized personnel list, format of daily report sheets, test reports on waste materials, and format of waste manifests. The completed daily reports and waste manifests shall be submitted along with pay requests for completed work. Copies of these front-end documents shall be maintained at the site during the asbestos removal phase of the Project.
 - a. Superintendent is required to keep the Project Logbook up to date, ensure that all work criteria is followed in the proper sequence, and to fill out the enclosed check list to document the progression of the job. A separate checklist will be required for each individually prepped work area.
9. **Property Condition Assessment:** Owner, Architect/Engineer, or Owner's consultant, and Contractor must agree in writing on building and fixture condition prior to commencement of Work. The Contractor shall submit an inventory of all items removed from the Work area and an inventory of all items remaining in the Work area.
10. **Informing Other Trades:** The asbestos abatement contractor must inform other employers on site of the nature of the Contractor's work with asbestos-containing materials and the existence of and requirements pertaining to regulated areas. Such notification shall be coordinated with, and approved by, the Owner.
11. **Pressure Strip Recordings (Manometer):** At the termination of the project, submit copies of all pressure strip chart recordings.

G. Field Air Sampling:

Personal monitoring and other monitoring which is required by law or considered necessary by the Contractor for Worker protection shall be the responsibility of the Contractor and performed by Contractor's Air Sampling Professional.

H. Certifications:

1. **Equipment Certification:** Submit manufacturer's certification that vacuums, negative air pressure equipment filters, and other local exhaust ventilation equipment conform to ANSI Z9.2, as well as all Federal, State, Local, and SCAQMD regulations.

2. **Rental Equipment:** When rental equipment is to be used in removal areas or to transport waste materials, a copy of the written notification provided to the rental company informing them of the nature of use of the rented equipment shall be submitted to the Owner or Owner's Representative and signed by the rental company.

I. Use of Vec-loader Equipment:

The use of the vacuum equipment, its placement, and safety program shall be submitted for review.

1.6 PERSONAL PROTECTION AND SAFETY:

- A. General:** The Contractor alone shall be responsible for the safety, efficiency, and adequacy of his or her plant, appliances, methods, and for any damages which may result from his or her operations, improper construction practices, or maintenance. He or she shall erect and properly maintain at all times as required by the conditions and progress of the Work, proper safeguards for the protection of workmen and the public and shall post warning signs around the job site.

B. Personal Protective Equipment:

1. Provide workers and authorized visitors with sufficient set of protective full body impervious protective clothing. Personal Protective Equipment shall comply with the requirements of 29 CFR 1910, Subpart I.
2. Work clothes shall consist of fire retarding, disposable, full-body coveralls, head covers, boots, rubber gloves, and steeled-toe boots or equivalent in accordance with 29 CFR 1926.134, and ANSI Z41. Sleeves at wrists and cuffs at ankles shall be secure.
3. Provide eye protection and hardhats as required by applicable safety regulations and shall conform to ANSI 87.1 and 89.1.
4. Provide authorized visitors with suitable protective clothing, headgear, eye protection, and footwear whenever they are required to enter Work area.

C. Respiratory Protection Requirements:

1. Disposable (single use) respirators are not to be worn for protection against asbestos.
2. **Providing of Equipment:** Provide all workers, foremen, superintendents, authorized visitors, and inspectors personally issued and marked respiratory equipment approved by NIOSH. When respirators with disposable filters are employed, provide sufficient filters for replacement as recommended by manufacturers or this specification. Selection of respirators shall be made according to the guidance of 29 CFR 1910 Subpart 1, ANSI Z88.2; CGAI G7.1; EPA 560 OPTS-86.001; and Table I of this section. The Contractor shall provide

masks, new in the box, in all sizes produced by the respirator manufacturer (one each). These masks shall be provided for the exclusive use of the Owner's representatives and shall be available at all times.

3. **Approved Respirators:** Contractor will ensure that all respirators used shall be selected from those approved by National Institute of Occupational Safety and Health (NIOSH) for use in atmospheres containing asbestos, solvents, removers, and against other toxic materials which may be used during the project.
4. **Powered Air-Purifying Respirators (PAPR) Usage:** Full containment work activities associated with the abatement of asbestos-containing materials shall be conducted while wearing, at a minimum, a full facepiece, powered air-purifying respirator equipped with HEPA filters during the following tasks or under the following conditions:
 - a. During removal or disturbance of asbestos-containing materials or where the likelihood of disturbance may occur. This determination shall be up to the Owner's consultant.
 - b. During all cleanup and wipe down of area. This determination shall be up to the Owner's consultant.
 - c. During any operation where damaged friable asbestos is present during area preparation.
 - d. At any time that air monitoring levels indicate that asbestos concentrations are greater than 0.25 fibers/cc.
 - e. Any situation where gross contamination has occurred because of a tear or rupture in the containment and air sampling indicates that airborne asbestos levels have exceeded 0.25 fibers/cc.
5. **1/2 Mask Respirator Usage:** For the followings tasks or conditions a 1/2 mask air-purifying respirators equipped with high efficiency filters may be used:
 - a. Provided maximum airborne fiber concentration outside the respirator is at or below 0.1 fibers/cc.
 - b. Pre-construction sealing of openings and penetrations to the work areas with plastic sheeting.
 - c. Decontamination of removable items.
 - d. Loading asbestos-containing drums on truck for transportation and unloading bags at approved landfill.

TABLE 1

Maximum Airborne Fiber Concentration Outside The Respirator	Protection Factor	Minimum Acceptable Respirator
1 fiber/cc**	10	Half mask and dual cartridge air purifying respirator with cartridges approved for asbestos and with high efficiency filters.*
05 fibers/cc	50	Full face piece respirator and with high efficiency filters.*
10 fibers/cc	1000	Powered air purifying respirator (full face piece) and with high efficiency filters.*
100 fibers/cc**	1000	Type "C" supplied air respirators, full facepiece, pressure demand mode.
Over 100 fibers/cc**	>1000	Type "C" supplied air respirators, full facepiece, pressure demand mode, equipped with an auxiliary positive pressure self-contained breathing apparatus.

*Greater respiratory protection is always acceptable regardless of asbestos concentrations.

**Must demonstrate that the fiber levels will not exceed 0.01 fibers per cubic centimeter (f/cc) inside the respirator based on quantitative mask fit testing for each individual using the respirator protection factor formula.

6. **Type "C" Respirator Usage:** When Type "C" respirators are not required according to the OSHA standard (29 CFR 1926.1101 or this specification, whichever is more stringent), provide workers with approved, permanent, personally-issued and marked respirators with replaceable filters. Provide sufficient quantity of filters approved by NIOSH for use in asbestos environments so that workers can change filters as required by manufacturer during the workday. Filters shall not be used any longer than one workday. Respirator filters shall be stored at job site in clean room and shall be totally protected from exposure to asbestos prior to their use.
7. **Air Supply Compressors:** Compressors shall meet the requirements of 29 CFR 1910 Subpart 1 and the following:
 - a. Periodic inspection of the carbon monoxide monitor shall be evidenced.
 - b. Documentation of adequacy of compressed air system/respiratory protection system shall be retained on site. Documentation shall include a list of compatible components with the maximum number and type of respirators that may be used with the system.
 - c. The full facepiece, type "C" supplied-air respirator system shall be fully approved by appropriate regulatory agencies. The compressor shall be specifically for breathing air and have alarms to indicate compressor failure and overheating. Compressor(s) shall have in-line air-purifying sorbent beds and filters to assure breathing air quality (Grade "D" or better for oil lubricated compressors; Grade "H" or better for electric compressors). The air supply system shall have safeguards to allow for sufficient capacity to allow workers to escape if the air system fails. If an oil-lubricated compressor is used, it shall have a high-temperature or carbon-monoxide alarm, or both. If only a high-temperature alarm is used, a carbon-monoxide converter shall be used.
 - d. The compressor intake shall be designed so as to avoid entry of contaminated air into the system either from the compressor exhaust or from other sources of potential contamination. Periodic testing of compressed air shall insure that systems provide air of sufficient quality.
 - e. A pressure-indicating gauge shall be placed at the point of connection (distribution point) where the respirator supply hose (which is a part of the approved facemask/hose system) is attached to the air filtration system or any supply manifold which is located between the mask/hose apparatus and the compressor/filter system. The pressure gauge shall be capable of measuring pressure levels which are consistent with those specified by the respirator operating specifications.
 - f. The correct pressure level shall be verified at each distribution point each time that the system is engaged. The air supply system will be operated only when operating specifications are maintained.

Fit Testing: Air respirators shall be fit-tested utilizing Saccharin Solution Aerosol Protocol, Bitrex™ (Denatonium Benzoate) Solution Aerosol Protocol or isoamyl acetate Protocol with organic filters at the beginning of each project or a minimum of every 12 months as described in Appendix C, 29 CFR 1926.1101. Any of the above three protocols or other similar regulatory protocol may be used.

D. Bilingual Worker protection procedures (Posted in both English and Spanish): Adequate shower facilities shall be provided by the Contractor. An employee leaving the Work area shall follow all decontamination procedures necessary or as described herein.

1. **Posted Procedures:** Provide and post, in the Equipment Room and the Clean Room, the decontamination and work procedures to be followed by workers and authorized visitors as described in these Specifications.
2. **Entering the Work Area:** Each worker and authorized visitor shall, upon entering the job site: put on a respirator and clean protective clothing before entering the Equipment Room or the Work area. Clothing that is appropriate for weather and temperature conditions is worn under the protective clothing.
3. **Personnel Exiting the Work Area:**
 - a. Ensure that personnel do not leave work areas through the equipment decontamination enclosure.
 - b. All workers and authorized visitors shall, each time they leave the Work area; remove gross contamination from clothing before leaving the Work area using a HEPA vacuum; proceed to the Equipment Room and remove all clothing except respirators by carefully rolling down the garment to reduce exposure to dust; clean the outside of the respirator with soap and water while showering; remove the respirator; and thoroughly shampoo and wash themselves.
 - c. Following showering and drying off, each Worker shall proceed directly to the clean change room and dress in clean clothes at the end of each day's Work, or before eating, smoking, or drinking.
 - d. Before reentering the Work area from the Clean Change Room, each worker and authorized visitor shall put on a clean respirator and shall dress in clean protective clothing.
 - e. All workers and authorized visitors shall, at the end of the work day; place disposable clothing in the abatement waste; clean protective gear, including respirators, according to standard procedures; wash hands and face again; proceed to the shower facilities, being certain to wash hair.
 - f. Workers shall not eat, drink, smoke, or chew gum or tobacco while in the Work area.

- g. Workers shall be fully protected with respirators and protective clothing from the time of first disturbance of asbestos-containing materials prior to commencing actual abatement and until final cleanup is completed.
4. **Equipment Removal Procedures:** Clean surfaces of contaminated containers and equipment thoroughly by wet sponging or wiping before moving such items into the equipment decontamination enclosure system washroom or through the shower for final cleaning and removal to uncontaminated areas.
- a. Contaminated work footwear shall be stored in the Equipment Room when not in use in the Work area. Upon completion of asbestos abatement, dispose of footwear as contaminated waste.
 - b. Workers removing waste containers from the equipment decontamination enclosure shall enter the holding area from outside wearing a respirator and dressed in clean disposable coveralls. No worker shall use this system as a means to leave or enter the washroom or the Work area.
5. **Safety Issues:**
- a. During the removal operations the Contractor may be placing his or her workers in a potentially hazardous electrical environment. Care and special consideration should be exercised by the Contractor to avoid electrical shock to his employees. The requirements as set forth in the latest edition of the National Electrical Code, shall be adhered to at all times. Particular emphasis shall be placed on the requirements listed in Article 210—BRANCH CIRCUITS, Article 225—OUTSIDE BRANCH CIRCUITS AND FEEDERS, Article 250—GROUNDING, Article 300—WIRING METHODS, and Article 305—TEMPORARY WIRING, whenever and wherever the existing electrical power service shall be deenergized and temporary electrical power utilized.
 - b. During summer work activities the Work area environment may be very hot and humid. The Contractor shall take precautions to protect his or her workers from the hostile environment as well as the asbestos material. First-aid items such as stretchers, water, and cold packs should be kept adjacent to the Work area exits, thus allowing any personnel requiring emergency treatment egress from the Work area with minimum contamination to the clean environment. No worker shall be allowed to reach through the plastic or air lock door to get water or first aid supplies during break periods inside the Work area. Breaks, lunch, or worker rest periods should be held outside the Work area. All decontamination procedures shall be followed prior to exiting the Work area except in extreme emergencies.
 - c. During cold weather periods the workers shall be provided with adequate protection from the environment to not cause harm to the workers.
 - d. If evacuation of the Work area is required by contaminated personnel, due to an emergency, all work efforts shall stop, and all forces shall be directed at

minimizing the area contamination, cleanup operations, and first-aid procedures. These activities shall be noted in the daily logbook.

- e. During work activities requiring decontamination procedures, the Contractor shall provide a means of communication for the workers inside the Work area without requiring personnel to enter or leave the Work area. This method of communications shall be a two-way radio, localized wire-connected telephone, or similar system. This communication system shall remain intact until the final containment plastic is removed. Then all equipment shall be wiped down, HEPA vacuumed or disposed of as asbestos-contaminated material.

E. Posting of Warning Signs:

Post warning signs at all access points to the work area(s) which follow the "Sample Format Warning Sign" shown below:

Sample Format Warning Sign
Minimum Size - 14" x 20"
Material - Aluminum or Fiberglass
Script:

DANGER
ASBESTOS
MAY CAUSE CANCER
CAUSES DAMAGE TO LUNGS
AUTHORIZED PERSONNEL ONLY
WEAR RESPIRATORY PROTECTION AND
PROTECTIVE CLOTHING IN THIS AREA

Signs shall be at the entry points to the Work area and shall be clearly read to a distance of 25 feet from the entry point.

F. Emergency Precautions and Procedures:

1. Establish emergency and fire exits from the Work Area. Emergency exits shall be equipped with 2 full sets of protective clothing and respirators.
2. Local medical emergency personnel, both ambulance crews and hospital emergency room staff, shall be notified, prior to commencement of abatement operations, as to the possibility of having to handle contaminated or injured Workers and shall be advised on safe decontamination.
3. Contractor shall be prepared to administer first aid to injured personnel after decontamination. Seriously injured personnel shall be treated immediately or evacuated without delay for decontamination. When an injury occurs, the

Contractor shall stop Work and implement fiber reduction techniques (e.g., water spraying) until the injured person has been removed from the Work Area.

4. Before starting actual removal of asbestos material(s), local police and fire departments (LA County required) shall be notified as to the danger of entering the Work Area. The Contractor shall make every effort to help these agencies form plans of action should their personnel need to enter the contaminated area.

1.7 SUPERINTENDENT FOREMAN, CRAFTSMAN:

The Contractor shall have a job superintendent (Competent person) present at all times while work on this Contract is in progress.

The Project Superintendent (Competent person) shall be thoroughly familiar and experienced with asbestos removal and related work and shall be familiar with and shall enforce the use of all safety procedures and equipment. He or she shall be knowledgeable of all EPA, OSHA, and NIOSH requirements and guidelines. He or she shall be trained in the proper use of all personal protection and safety equipment including, but not limited to, air purification and respiratory systems.

In addition to the Superintendent (Competent person), the Contractor shall furnish 1 or more foremen (Competent person when Superintendent is absent) who are familiar and experienced with asbestos removal and its related work, safety procedures, and equipment.

- A. It shall be a requirement of this Contract that the superintendent and/or one or more of the Contractor's foremen be inside the Work area at all times while work is in progress.
- B. It is the intent of these Specifications that all phases of the Work shall be executed by skilled craftsmen experienced or receiving training by experienced personnel in each respective trade.
- C. All superintendents and foremen shall have been trained by attending a five-day AHERA and Cal-OSHA approved Contractor/Supervisor of Asbestos Abatement training course and satisfactorily passing all examinations following the training program to allow and maintain all Federal, State, and local requirements and certifications. Only EPA and Cal-OSHA approved training programs will be accepted.
- D. Workers shall have been trained by attending an AHERA and Cal-OSHA approved Asbestos Worker training course and satisfactorily passing all examinations following the training program to allow and maintain all Federal, State, and local requirements and certifications. Only EPA and Cal-OSHA approved training programs will be accepted.
- E. The Competent person on-site must be able to clearly communicate in a manner so that the Owner's Consultant and Owner can clearly understand.

PART 2 - MATERIAL AND EQUIPMENT

2.1 **MATERIALS:**

- A. **Packaging:** Deliver all materials in the original packages, container, or bundles bearing the name of the manufacturer and the brand name.
- B. **Storage:** Store all materials subject to damage off the ground, away from wet or damp surfaces, and under cover sufficient to prevent damage or contamination. Damaged or deteriorating materials shall not be used and shall be removed from the premises. Material that becomes contaminated with asbestos shall be disposed of in accordance with the applicable regulations.
- C. **Plastic:** (Fire retardant polyethylene) Sheet, of 6-mil thickness or greater as specified in sizes to minimize the frequency of joints.
- D. **Tape:** Capable of sealing joints of adjacent sheets of polyethylene and for attachment of polyethylene sheet to finished or unfinished surfaces of dissimilar materials and capable of adhering under both dry and wet conditions. Use tape with tough backing which does not leave residue on the adhering surface.
- E. **PROTECTIVE PACKAGING**
 - 1. **Impermeable containers:** Suitable to receive and retain any asbestos-containing materials until disposal at an approved site, labeled in accordance with OSHA Regulation 29 CFR 1910.1025 and DOT 49 CFR 171-177. Containers must be both air and watertight and must be resistant to damage and rupture. Drums must be appropriately labeled.
 - 2. **Bags:** Appropriately labeled 6-mil sealable polyethylene bags as minimum.
 - 3. **Bilingual labels:** (English and Spanish) on containment glove bags, waste packages, contaminated material packages and other containers shall be in accordance with EPA and/or OSHA standards.
- F. **Warning labels and signs:** As required by 29 CFR 1926.1101 and 29 CFR 1910.145.
- G. **Encapsulant use:**
 - 1. For bridging encapsulant use:
 - a. Encapsulant to be specified and approved by Owner's representative
 - 2. After removal use clear encapsulant as follows:

- a. Encapsulant to be specified and approved by Owner's representative
3. At steam piping lagging to be encapsulated in place use penetrating encapsulant as follows:
 - a. Encapsulant to be specified and approved by Owner's representative
4. Protective coating at encapsulated steam, pipe lagging:
 - a. NOT APPLICABLE

H. Surfactants:

Surfactants or wetting agent, for amending water will be 50 percent polyoxyethylene ether and 50 percent polyoxyethylene ester, or equivalent, at a concentration of one ounce per 5 gallons of water.

I. Encasement:

1. Encasement material to be specified and approved by Owner's representative
2. Characteristics
 - a. Meets DNA and EPA 95 guidelines for clean air.
 - b. Non-toxic — Non caustic — Non flammable
 - c. Grease and oil retardant
 - d. Mar resistant
 - e. Crack resistant
3. Suitable Product
 - a. Encapsulant to be specified and approved by Owner's representative

J. Lagging adhesive:

1. Meets NFPA 90A Code;

K. Other materials:

Provide all other materials, such as lumber, nails, and hardware, which may be required to construct and dismantle the decontamination area and the barriers that isolate the Work area.

2.2 TOOLS AND EQUIPMENT:

- A. **Provide suitable tools for asbestos removal.**
- B. **Air filtration equipment:** High efficiency particulate air (HEPA) filtration systems shall be equipped with filtration equipment in compliance with ANSI Z9.2-79, local exhaust ventilation or equal. **Each HEPA machine will have current permitting stickers, if applicable, placed on the machine and documentation provided on-site.** No air movement system or air filtering equipment shall discharge unfiltered air outside the Work area. If volatile chemicals are used, use manufacturer's guidelines and provide appropriate filters for solvent vapor or other organic based material use.
- C. **Pressure recorder (manometer):** A continuously recording monitor shall measure and record the difference in air pressure inside the Work area from that outside the Work area. The recording system shall be accurate to the nearest 0.001 inches of water pressure differential and shall be equipped with an alarm which sounds if the difference becomes less than 0.02 inches of water gauge.
- D. **Aggressive sampling equipment:** Contractor shall provide a one Hp electric leaf blower and sufficient number of electric box fans for the final air clearance.

PART 3 - EXECUTION

3.1 PREPARATION:

- A. **Separation of Work areas:**

Separation of work areas from occupied areas as directed in the scope of work:

1. **Reference:** Contractor will use the applicable procedures as outlined in Section 01010 HM or, if none, use those contained within. Where conflict among requirements (e.g., other concurrent work) or with these Specifications exists, the more stringent requirements shall apply.
2. **For areas requiring constructed barrier walls:** Separate parts of the building required to remain in use (as shown in Plans) from parts of the building that will undergo asbestos removal by means of airtight barriers, constructed as follows:
 - a. Build suitable wood or metal framing and apply 3/8-inch minimum thickness sheathing on work side only, unless noted otherwise.
 - b. Cover both sides of partition with double layer of plastic sheet with joints staggered and sealed with tape. Edges of partition at floor, walls, and ceiling shall be caulked airtight.

3. **Electrical Shut-down:** Shut down electric power which serves the Work area. Provide temporary power and lighting and ensure safe installation of temporary power sources and equipment per applicable electrical code requirements.
4. **HVAC Shut-down:** Shut down and isolate heating, cooling, and ventilating air systems to prevent contamination and fiber dispersal to other areas of the structure. Physically blank off, with light gage metal, all supply and return air ductwork which leads to and from an isolated work area when the air-handling unit serves areas other than within the isolated work area.
5. **Seal off openings:** Seal off all openings, including but not limited to windows, corridors, doorways, skylights, ducts, grills, diffusers, and any other penetrations of the Work areas, with plastic sheeting (minimum of 4-mils thick) sealed with tape.

B. Preclean work area:

1. **Moveable Objects:** Clean all moveable objects within the Work area using HEPA vacuum equipment and wet cleaning methods. Remove these objects from the Work area to a designated temporary storage location.

Protection of and accounting for the stored materials is the sole responsibility of the Contractor.

2. **Fixed Objects:** Preclean fixed objects within the proposed work areas, using HEPA vacuum equipment and/or wet cleaning methods as appropriate, and enclose with minimum of 6-mil polyethylene sealed with tape.
3. **Vacuum & Wet Methods:** Preclean the proposed work areas using HEPA vacuum equipment or wet cleaning methods as appropriate. Do not use methods that raise dust, such as dry sweeping or vacuuming with equipment not equipped with HEPA filters.

C. Prepare work area:

1. **References:** Contractor will use the applicable procedures as outlined in Section 01010HM or, if none, use those contained within. Where conflict among requirements (e.g., other concurrent work) or with these Specifications exists, the more stringent requirements shall apply.
2. **Non-Contaminated Lighting:** Remove and clean objects, such as lights and other items not previously sealed off, that may interfere with asbestos removal. Use HEPA vacuum equipment and wet methods during fixture removal to reduce asbestos dispersal. Wrap in plastic and store for reinstallation upon completion of testing procedures.
3. **Protection of Fixed Objects:** Protect all fixtures, grills, lockers, and other non-removable equipment from water. Also, protect painted surfaces and flooring.

4. **Plasticization:** Cover non-impacted floor, wall and/or ceiling surfaces with plastic sheeting sealed with tape. Use a minimum of two layers of 6-mil plastic on floors and two layers of 4-mil plastic on walls and ceilings. Cover floors first so that plastic extends at least 12 inches up on walls, then cover walls with plastic sheeting to the floor level, thus overlapping the floor material by a minimum of 12 inches.
 - a. All criticals (doors, vents, openings, wall penetrations, etc.) will be covered with 2 layers of 6-mil plastic and secured with duct tape to prevent leakage of air.
 - b. The second layer of floor sheeting may be black or dark in color. If floor coverings are scheduled for removal, per Plans and/or Scope of Work, floor plastic is not placed until after floor coverings are removed, which occurs during Asbestos Removal activities, paragraph 3.2.
 - c. All joints in the plastic sheeting shall have a minimum of 12 inches of overlap and shall be securely sealed with tape to prevent leakage of air and water.
5. **Plasticization of carpeted areas:** Where carpet will remain in-place and must be protected during abatement procedures, the following applies for preparation of said surface.
 - a. All carpet remaining in place during abatement activities will be covered with 2 layers of 10-mil reinforced plastic and secured with duct tape to prevent moisture intrusion or asbestos contamination.
 - b. Each layer of floor sheeting shall be installed separately and seams between the top and bottom layers must be staggered by approximately three (3) feet.
 - c. Seams on the same layer must have at a minimum 18 inches overlap and be held in place by the use of spray glue in the overlap area and duct tape at both plastic termination edges.
 - d. Both top and bottom layers of plastic must extend to a distance of one (1) foot vertically on all walls and vertical surfaces to be covered. The plastic must be folded, not cut, at wall or corner junctures as it extends vertically. The folds shall be held in place by the use of spray glue and duct tape.
6. **Emergency Exits:** Maintain emergency and fire exits from the Work areas or establish alternative exits satisfactory to fire officials.
7. **Establish a reduced pressure in the Work area:**
 - a. **Determine the Ventilation Requirements:**
 - (1) **General:** Provide fully operational negative pressure systems supplying a minimum of one air change every 15 minutes. Determine the volume in cubic feet of the work area by multiplying floor area by ceiling height. Determine total

ventilation requirement in cubic feet per minute (cfm) for the work area by dividing this volume by the air change rate.

Ventilation Required (CFM) = Volume of work area (cu. ft.)/15 min.

(2) **Number of Units:** Determine number of units needed to achieve 15 minute change rate by dividing the ventilation requirement (CFM) above by capacity of exhaust unit(s) used. Capacity of a unit for purposes of this section is the capacity in cubic feet per minute with fully loaded filters (pressure differential which causes loaded filter warning light to come on) in the machines labeled operating characteristics.

Number of Units Needed =
$$\frac{\text{Ventilation Requirement (CFM)}}{\text{Capacity of Unit with Loaded Filters (CFM)}}$$

Add one additional working unit as a backup in case of equipment failure or machine shutdown for filter changing.

(3) **Location of Exhaust Units:** Locate exhaust unit(s) so that makeup air enters work area primarily through decontamination facilities and traverses work area as much as possible. This may be accomplished by positioning the exhaust unit(s) at a maximum distance from the worker access opening or other makeup air sources.

Place end of unit, or its exhaust duct, through an opening in the plastic barrier or wall covering. The plastic around the unit or duct shall then be sealed with tape.

(4) **Venting or Exhaust:** Unless authorized in writing by the Local Air Quality Management District, vent negative air exhaust to outside of building. Exhaust outlet shall be a minimum of ten feet above ground level.

(5) **Supplemental makeup air inlets:** Provide where required for proper air flow through the work space in location approved by the Project Coordinator by making openings in the plastic sheeting that allow air from outside the building into the work area.

(6) **Makeup Air Inlets:** Locate auxiliary makeup air inlets as far as possible from the exhaust unit(s) (e.g., on an opposite wall), off the floor, and away from barriers that separate the work area from occupied clean areas. Cover with flaps to reseal automatically if the negative pressure system should shut down for any reason. Spray flap and around opening with spray adhesive so that flap seals if it closes.

b. **Use of the Negative Pressure System:**

(1) **General:** Each unit shall be serviced by a dedicated minimum 115V-20A circuit with overload device tied into an existing building electrical panel that

has sufficient spare capacity to accommodate the load of all negative pressure units connected. Dedication of an existing circuit may be accomplished by shutting down existing loads on the circuit.

(2) **Testing the System:** Test negative pressure system before any asbestos-containing material is wetted or removed. After the work area has been prepared, the decontamination facility set up, and the exhaust unit(s) installed, start the unit(s) (one at a time). Demonstrate operation and testing of negative pressure system to Project Coordinator.

(3) **System Evaluation:** A demonstration of the negative pressure system to the Project Coordinator will include, but not be limited to, the following:

- aa. Plastic barriers and sheeting move slightly in toward work area.
- bb. Curtain of decontamination units move slightly in toward work area.
- cc. There is a noticeable movement of air through the decontamination unit. Use smoke tube to demonstrate air movement from Clean Room to Shower Room, from Shower Room to Equipment Room, and from Equipment Room to Work Area.
- dd. Use smoke tubes to determine a positive motion of air across all area in which work is to be performed.
- ee. Use a differential pressure meter or manometer to demonstrate a pressure difference of at least 0.02 inches of water across every barrier separation the Work Area from the balance of the building or outside.
- ff. Modify the negative pressure system as necessary to successfully demonstrate the above.

D. Decontamination Facilities:

1. **General:** Contractor will use the applicable procedures as outlined in Section 01010 HM or, if none, use those contained within. Where conflict among requirements (e.g. other concurrent work) or with these Specifications exists, the more stringent requirements shall apply.
2. **Construction Review:** Build suitable decontamination facilities described herein, as previously submitted for review, before start of construction.
3. **Air Locks and Access Doorways:** In all cases access between contaminated and uncontaminated rooms or areas shall be through an air lock previously defined. Passage between any two rooms within the decontamination facility shall be through an access doorway.

4. **3-Stage Decontamination Enclosure:** Construct a worker decontamination enclosure system contiguous to the Work area consisting of three totally enclosed chambers to conform to standard Plans bound herein and as follows.
 - a. A shower room with two access doorways, one to the equipment room and one to the clean room. Plastic, if used, on shower room and adjoining equipment and clean rooms shall be opaque.
 - b. The shower room shall contain at least one shower with hot and cold or warm water. Careful attention shall be paid to the shower enclosure to ensure against leaking of any kind.
 - c. Shower water shall be captured and filtered. The filtration system shall filter particulates to 3-microns. Filtered water may then be disposed of in the local sanitary/sewage system.
5. **Remote Decontamination Enclosures:** For remote decontamination systems (non-contiguous to the Work area) construction of the shower will conform to Section 02071, Part 3.1,D4, above with the following modifications:
 - a. The enclosure need not be attached to the Work area, but clean room and equipment rooms must be clearly marked at their respective entrances.
 - b. A HEPA filtration machine must be attached to the equipment room and must be operational while the decontamination unit is in use.
6. **Equipment Decontamination Enclosures:** For an equipment decontamination enclosure facility, construct two totally enclosed chambers as follows:
 - a. A washroom, constituting an air lock, with an access doorway to a designated area of the Work area and an access doorway to the holding area.
 - b. A holding area, constituting an air lock, with an access doorway to the washroom and an access doorway to an uncontaminated area.
7. **Entry/Exit systems:** All decontamination systems or entry/exit system air locks will be constructed using Z-flap design incorporating 2 layers of 6-mil plastic with the flaps extending the full height and width of the entrance space.

E. Maintenance of enclosure system:

1. Ensure that barriers and plastic linings are effectively sealed and taped. Repair damaged barriers and remedy defects immediately upon discovery.
2. Visually inspect enclosures at the beginning of each work period.
3. Use smoke methods to test effectiveness of barriers when directed by Owner or representative of Owner.

F. Asbestos removal work shall not commence until:

1. Arrangements have been made for disposal of waste at an acceptable site.
2. Work areas and decontamination facility and parts of the building required to remain in use are effectively segregated.
3. Tools, equipment, and material waste receptors are on hand.
4. Arrangements have been made for building security.
5. All other preparatory steps have been taken and applicable notices posted and permits obtained.
6. Removal work will not begin until the Owner's consultant authorizes work to commence, in writing.

3.2 ASBESTOS REMOVAL:

A. **General:** Prepare the site per paragraph 3.1.

B. **References:** Contractor will use the applicable procedures as outlined in Section 01010 HM or, if none, use those contained within. Where conflict among requirements (e.g., other concurrent work) or with these Specifications exists, the more stringent requirements shall apply.

C. Negative pressure system during abatement Operations:

1. Start exhaust units before beginning work (before any asbestos-containing material is disturbed). After abatement work has begun, run units continuously to maintain a constant negative pressure until decontamination of the work area is complete. Do not turn off units at the end of the work shift or when abatement operations temporarily stop.
2. Start abatement work at a location farthest from the exhaust units and proceed toward them. If an electric power failure occurs, immediately stop all abatement work and do not resume until power is restored and exhaust units are in operation again.
3. At completion of abatement work, allow exhaust units to run to remove airborne dust that may have been generated during abatement work and cleanup and to purge the work area with clean makeup air. The units may be required to run for a longer time after decontamination if dry or only partially wetted asbestos material was encountered during any abatement work.

D. Contaminated Removable Objects:

1. For re-installable fixtures: When scheduled to be removed per Plans and/or Section 01010 HM, Scope of Work, remove and clean ceiling mounted objects, such as lights and other items not previously sealed off, that may interfere with asbestos removal. Use hand-held water spraying or HEPA vacuum equipment during fixture removal to reduce fiber dispersal. Decontaminate the objects, wrap in plastic and store for reinstallation upon completion of testing procedures.
2. When scheduled for removal per Plans and/or Section 01010HM, Scope of Work, remove carpeting, carpet backing, window curtains, etc., in sections of appropriate size for packaging and dispose of as contaminated waste.

E. Contaminated Non-Removable Objects:

1. If a ceiling tile/grid system remains within the Work area: Remove ceiling tiles and grid system within the Work area and dispose of as contaminated waste. If approved by the Owner's consultant or the Engineer/Architect, the grid system may be removed, decontaminated, sealed in plastic, and stored for reinstallation.

F. Amended Water Usage:

1. Spray asbestos material with amended water, using spray equipment capable of providing a "mist" application to reduce the release of fibers. Saturate the material sufficiently to wet it to the substrate without causing excess dripping. Spray the asbestos material repeatedly during work process to maintain wet condition and to minimize asbestos fiber dispersion.
2. Protect all fixtures, grills, lockers, and other non-removable equipment from amended water. Surfactants can cause oxidation. Also, protect painted surfaces and flooring.

G. Gross Removal:

1. Remove the saturated asbestos material in manageable sections. Materials shall not be allowed to dry out. Material drop shall not exceed 15 feet. For heights up to 50 feet provide inclined chutes or scaffolding to intercept drop. For heights exceeding 50 feet provide enclosed dustproof chutes.

H. Containerizing Waste:

1. **Daily containerizing:** During each day's work, the bulk asbestos material shall be bagged in clear 6-mil thick bags, before it dries. No asbestos material shall be allowed to lie on the floor overnight.
2. **Types of containers:** Place the material in either sealed containers (6-mil clear double bags or hard sealable containers).
3. **Vec-loaders:** The use of vacuum equipment may be employed to remove gross asbestos material from the Work area. Checking of the entire system, when in use, is required every 1/2 hour. When use of such equipment is practical, a safety

program shall be established to control release of asbestos fibers from routine operations and/or accidents.

4. **Labels:** Place caution labels on containers in accordance with OSHA Regulation 29 CFR 1926.1101 and DOT 49 CFR 171-177 if not already preprinted on containers.
5. **Cleaning:** Clean external surfaces of containers thoroughly by wet sponging in the designated area. Move containers to washroom, wet clean each container thoroughly, and move to holding area pending removal to uncontaminated areas. If the holding area is outside containment it will be a locked and secured area with appropriate warning signage at entrance. If holding area is within containment ensure that area is secure and appropriate signage is maintained.
6. **Safety:** Ensure that containers are removed from the holding area by workers who have entered from uncontaminated areas dressed in clean coveralls.
 - I. **Post Removal Cleaning:** After completion of stripping work, all surfaces from which asbestos has been removed shall be wet brushed and sponged or cleaned by an equivalent method to remove all visible material. During this work, the surfaces being cleaned shall be kept wet. At the Contractor's option, the layer of plastic exposed to the asbestos may be removed, leaving intact the final layer of plastic.
 - J. **Safety:** Ensure that workers do not enter from uncontaminated areas into the washroom or the Work area; ensure that contaminated workers do not exit the Work area through the equipment decontamination enclosure system.

3.3 CLEANUP AND AIR MONITORING:

Employ the following procedures in cleaning up the Work area:

- A. **Pre-Cleaning:** Wet clean all surfaces and remove all visible accumulation of asbestos containing material from the Work area including the top layer of plastic if not previously removed. Prepare the Work area for the initial pre-TEM air test (if so specified) which will be performed after a visual inspection.
- B. **Pre-TEM Clearance:** Once the Work area is clean of visible accumulations of asbestos material, the Owner's consultant may perform a pre-TEM clearance test if so outlined in the Scope of Work (Section 01010 HM). Such testing shall be within the limits of 0.02 f/cc using the NIOSH method 7400 (PCM). The Contractor will continue the wet cleaning process until the designated fiber level is achieved. It is the Owner's intent to pay for one Pre-TEM Series of air tests per area.
- C. **Encapsulation:** After successful completion of the Pre-TEM air test, if so designated, and visual inspection has been completed finding that no visible debris has been found and/or before the last layer of the plastic sheeting is removed, apply one coat of an asbestos encapsulant sealer following manufacturer's recommendations for

application. The encapsulant sealer shall be compatible with any material to be reapplied to the surface.

- D. **Final Plastic Layer Removal:** While still under respirator protection, or other approved respirator usage, remove the final layer of plastic sheeting from the walls and floors after the sealant has dried. The seals on the windows, vents, doors, etc., shall remain, and HEPA filtration equipment and decontamination facilities shall also remain in service. Wet clean or HEPA vacuum work area underneath the plastic and leave the area visibly clean.
- E. **Settling Period:** Enter a 24-hour settling period or other period approved by the Consultant. Dust, both visible and invisible, shall be allowed to settle within the Work area without being disturbed during this period. The minimum settling period shall be 4 hours.
- F. **Final Cleaning:** After the settling period, wet clean or HEPA vacuum all surfaces within the Work area. Once this cleaning operation is complete, visually inspect the Work area to ensure that it is free of contamination.
- G. **Final Visual Inspection:** Owner's consultant will conduct a thorough visual inspection prior to setting air pumps. Upon successful completion of the visual inspection and Owner's consultant determination that all surfaces in the Work area are dry and free of contamination, the final air clearance test will be conducted. A certificate of Visual Inspection shall be issued by the Owner's Representative and shall be signed by both the contractor and the Owner's Representative. The Owner's Representative shall use the attached Form A.
- H. **Final Air Clearance:** For areas where material removal amounts of greater than 160 square feet or 260 lineal feet are performed, air clearance shall be performed per Section 2080. For areas where material removal amounts of \leq 160 square feet or 260 lineal feet are performed, air clearance will consist of five (5) TEM samples within the work area. The NIOSH method 7400 equivalent analysis will be used, as applicable, with a maximum fiber level of 0.01 f/cc being achieved prior to acceptance. In addition to the NIOSH method 7400 equivalent analysis, one of the five TEM sample cassettes shall be analyzed via TEM. TEM sample analysis must also pass as per requirements of Section 2080.
 - 1. Aggressive sampling techniques will be used to reentrain any fibers on the walls or floors in each area to be tested. The Contractor shall provide 1 electric, 1 Hp "Leaf Blower" and 1 electric 20 inch box fan per 10,000 c.f. of air volume in the Work area for use by the Owner's consultant during the aggressive sampling. The Contractor shall also provide the necessary electrical supply for these units. All contractor supplied equipment shall be in good working order. After sampling, the leaf blower and fans shall be cleaned by the Contractor and handled as if contaminated with asbestos.
- I. **Clearance Failure Contingency:** Contractor shall continue cleaning the Work site until the accepted fiber level is achieved.

1. Additional TEM or equivalent testing required after the one initial TEM clearance test set will be the responsibility of the Contractor. Additional consultant's time required for additional visual inspection, clearance sampling, and associated delivery of samples shall be at the Contractor's expense. In the event of additional testing and associated consultants time, the Contractor may reimburse Owner, or reduce the Contract amount by change order. It is the Owner's intent to have, at no charge to the Contractor, one initial TEM test performed in each area. A test set may consist of one sample or a series of samples performed at the same time.

J. **Dismantling the negative air system:** When a final inspection and the results of final wipe tests indicate that the area has been decontaminated, exhaust units may be removed from the work area. Before removal from the work area, remove and properly dispose of pre-filter, and seal intake to the machine with 6-mil polyethylene to prevent environmental contamination from the filters.

3.4 DISPOSAL OF ASBESTOS-CONTAINING MATERIALS AND ASBESTOS-CONTAMINATED WASTE:

A. **Removal from Work area:**

1. **General:** As the Work progresses, and to prevent exceeding available storage capacity on site, remove sealed and labeled containers of asbestos waste and dispose of such containers at an authorized disposal site in accordance with the requirements of disposal authority.
2. **Double bagging or containerization:** Bags of asbestos materials removed from the Work area via the equipment decontamination enclosure shall be placed in a mechanically fastened drum or a second clear 6-mil polyethylene bag which is then transported in an enclosed vehicle. Appropriate labels shall be affixed to the outside of the container/bag.
3. **Cleaning:** The drums or bags shall be cleaned in the equipment decontamination enclosure as previously described and placed in the transport vehicle. A fully enclosed plastic tunnel shall be provided when loading material contained in double plastic bags. The tunnel shall connect the equipment decontamination enclosure and the transport vehicle.
4. **Respiratory Protection:** Respiratory protection will be required in loading asbestos materials.
5. **On-site storage of waste:** On-site storage of waste will not be permitted for more than 5 working days after completion of last phase or nor more than 30 days per phase, whichever is less.
6. **Wastewater:** All wastewater shall be filtered through a five-micron filter prior to final disposal in a sanitary sewer. In the absence of a sanitary sewer system, the wastewater shall be drummed and transported to a landfill per the previous requirements for disposal.

7. **Other Waste:** Asbestos waste other than contaminated water shall be drummed or bagged and transported as previously described.

B. Transporting waste:

1. **Permits:** Local, state, and federal permits shall be obtained for the transportation of asbestos materials, and all procedures shall be followed as they pertain to transportation of asbestos materials.
2. **Notification of Transport:** Notify the Owner's consultant **48 hours in advance** of the time when contaminated materials are to be removed from the site.
3. **Transport Vehicle:** Transport vehicle shall be lined with 6-mil plastic prior to loading asbestos waste. The vehicle shall be used for the sole purpose of transporting asbestos waste. No other contract materials or supplies shall be stored or transported in the vehicle unless it has been decontaminated.
4. **Documentation:** Activities involving removal of waste, loading onto vehicle, and disposal at the landfill, shall be documented in daily reports. A second document, landfill manifest, shall be completed when material is disposed at landfill. Both documents shall indicate date and volume of material handled. A bill of lading shall be submitted as per DOT regulations.
 - a. It shall be the responsibility of the Contractor to notify the Owner or Owner's Consultant and coordinated having the Hazardous Waste Manifest or Non-Hazardous Waste Manifest properly signed by Owner or Owner's representative. Contractor shall give the Owner or Owner's Representative or Consultant 48 hours notice prior to request for signature and waste pick-up.
 - b. Contractor SHALL NOT sign any Hazardous Waste Manifest for the Owner.
5. **Respiratory Protection:** Respiratory protection will be required in unloading asbestos materials.
6. **Safety:** Contractor shall be responsible for safe handling and transportation of hazardous waste generated by this Contract to the designated Hazardous Waste Site.

- C. **Hazardous Materials Spills:** Contractor shall hold the Owner and Owner's consultant harmless for claims, damages, losses, and expenses, including attorney's fees arising out of or resulting from, asbestos spills on the site or spills enroute to the disposal site.

3.5 RE-ESTABLISHMENT OF OBJECTS AND SYSTEMS:

- A. **Relocation of Moveable Objects:** Relocate objects moved to temporary locations in the course of the Work to their proper positions. Only clean objects are to be moved into the areas.
- B. **Remounting Objects:** Remount objects removed in the course of the Work in their former positions. Repair any moveable or fixed objects damaged during the course of the Work.
- C. **Systems re-establishment:** Reestablish HVAC, mechanical, and electrical systems in proper working order.
 - 1. Install new HVAC filters and dispose of used filters as contaminated waste.
- D. **Building repair/repaint:** Repair any damage to building, or building systems (electrical, mechanical, plumbing, etc.) which was not noted in writing prior to work area preparation.
 - 1. Repaint any areas damaged during the course of the Work unless this work is scheduled to be repaired by others. See paragraph 1.2.C, Related Work Specified Elsewhere, of this section. Quality of paint and workmanship shall be consistent with that found within the building prior to this Project, unless otherwise stated.

END OF SECTION

SECTION 02074 HM

ASBESTOS REMOVAL ROOFING MATERIAL

PART 1 - GENERAL

1.1 **SCOPE:**

- A. This Specification covers the removal and disposal of asbestos-containing roofing materials in the locations identified in Section 01010 HM, Summary of the Work.

1.2 **DESCRIPTION OF WORK:**

- A. **General:** The Work specified herein shall be the removal of asbestos-containing and/or contaminated material by persons knowledgeable, qualified, and trained in the removal, treatment, handling, and disposal of asbestos-containing and/or contaminated material, the subsequent cleaning of the affected environment, and who comply with all Federal, State, and local laws and regulations which mandate work practices, and who are capable of performing the Work in these Specifications.
- B. **Contract Fulfillment:** The Contractor shall supply all labor, materials, equipment, services, insurance, and incidentals which are necessary or required to perform the Work in accordance with all applicable governmental regulations and these Specifications.
- C. **Related Work Specified Elsewhere:**

Section 02071 HM, Asbestos Removal.

1.3 **TERMINOLOGY:**

The terms used in these Specifications are defined in Section 02071 HM.

1.4 **APPLICABLE DOCUMENTS:**

See Section 02071 HM for Applicable Documents.

1.5 **SUBMITTALS AND NOTICES:**

Section 02071 HM, Part 1.5, Submittals and Notices, shall be modified in the following particulars only.

- A. The use of RB (rotating blade) roof cutters on roofing projects involving more than 5,580 square feet require NESHAP notification.

1.6 **PERSONAL PROTECTION AND SAFETY:**

A. **Respiratory protection requirements:**

1. Respiratory protection for removal of asbestos-containing and/or contaminated roofing materials; **1/2 face negative pressure** are required as a minimum.
2. If powered air-purified respirators (PAPR) are required, the respiratory requirements as set forth in Section 02071HM shall govern.
3. Provide authorized visitors with suitable respirators whenever they are required to enter the Work area.
4. If any roofing materials are deemed to be friable to such an extent as the tar matrix loses its binding properties by crumbling using thumb and forefinger pressure, then the following apply:
 - a. While pre-cleaning the Work area, prepping the Work area, loading the asbestos material in the transport vehicle and unloading the transport vehicle at the landfill all activities must be performed while wearing a **1/2 face negative pressure respirator**.
 - b. The friability of the materials shall be at the sole discretion of the Owner's consultant, either during the bid walk or prior to abatement.

B. **Posting of Procedures:** Provide and post, at the Work area, the decontamination and work procedures to be followed by workers and authorized visitors as described in these Specifications.

C. **Worker protection procedures:**

1. The Contractor shall provide adequate shower facilities. An employee leaving the Work area shall follow all decontamination procedures necessary or as described herein.
2. All workers and authorized visitors shall, don 2 sets of protective suits prior to entering the work area.
3. All workers and authorized visitors shall, each time they leave the Work area; remove gross contamination from protective clothing, HEPA vacuum clothing, and remove the outer protective suit and place within a waste bag located within the work area. All workers and authorized visitors shall then don a second disposable suit over the first, before leaving the Work area. Each person will then proceed immediately to the shower room and remove the disposable suits and place in a waste bag. After wet wiping all exposed body and equipment surfaces, workers and/or visitors may then proceed through the exit to the uncontaminated area.

4. Workers loading waste containers, which are not directly placed in the waste bin or enclosure, from the Work area, shall wear a respirator and be dressed in clean disposable coveralls.

D. Equipment removal procedures:

1. Clean surfaces of contaminated containers and equipment thoroughly by wet sponging or wiping before moving such items from the Work area and to uncontaminated areas.
2. If gross material cannot be removed from the working end of the equipment (area coming in direct contact with asbestos-containing material), it shall be wrapped in a 6-mil plastic bag, or other suitable 6-mil plastic medium, and sealed with tape prior to leaving the Work area.

1.7 SUPERINTENDENT FOREMAN CRAFTSMAN:

The Contractor shall have a job superintendent (and/or Competent person) present at all times while work on this Contract is in progress.

The Project Superintendent (and/or Competent person) shall be thoroughly familiar and experienced with asbestos removal and related work and shall be familiar with and shall enforce the use of all safety procedures and equipment. He or she shall be knowledgeable of all EPA, OSHA, and NIOSH requirements and guidelines.

In addition to the Superintendent (an/or Competent person), the Contractor shall furnish one or more foremen who are familiar and experienced with asbestos removal and its related work, safety procedures, and equipment. If the Superintendent is not present then the foremen shall be a Competent person.

- A. It shall be a requirement of this Contract that the superintendent and/or one or more of the Contractor's foremen be inside the Work area at all times while work is in progress.
- B. It is the intent of these Specifications that all phases of the Work shall be executed by skilled craftsmen experienced or receiving training by on-site experienced personnel in each respective trade.
- C. The Competent person on-site must be able to clearly communicate in a manner so that the Owner's Consultant and Owner can clearly understand.

PART 2 - MATERIAL AND EQUIPMENT

2.1 MATERIALS:

See Section 02071 HM, Part 2.1 for Materials.

2.2 TOOLS AND EQUIPMENT:

Provide suitable tools for the work at hand.

PART 3 - EXECUTION

3.1 PREPARATION:

A. Separation of work areas from occupied areas:

1. Separate parts of the building required to remain in use from parts of the building that will undergo asbestos removal by means of barriers, constructed as follows:
 - a. Isolate the area in which removal will take place by placing barrier tape at least 25 feet from the work. If applicable, lock from external entry all but one entrance to the Work area.
 - b. Place asbestos warning signs at the barrier and at all open entrances to Work area. Signs must be placed conspicuously and must be easily read. Signs must conform to legal size and wording.
2. Shut down electric power. Provide temporary power and lighting and ensure safe installation of temporary power sources (if required) and equipment per applicable electrical code requirements.
3. Shut down and isolate heating, ventilating, and air cooling (HVAC) systems to prevent contamination and fiber dispersal to other areas of the structure. Isolate all supply intake ducting from Work area by installing 2 layers of 6-mil polyethylene over the intake using 6 inches of duct tape to affix polyethylene to intake housing.

B. Pre-clean work area:

1. Where ACM roofing material is in poor friable condition, clean all moveable objects within the Work area using HEPA vacuum equipment and/or wet cleaning methods as appropriate. In all cases, remove removable objects from the Work area to a designated temporary storage location. Protection of and accounting for the stored materials is the sole responsibility of the Contractor.
2. Where ACM material is in poor friable condition, pre-clean fixed objects within the proposed work areas, using HEPA vacuum equipment and/or wet cleaning

methods as appropriate and, in all cases, cover with minimum of 6-mil polyethylene.

C. Prepare work area:

1. Erect asbestos hazard tape barriers and post the work area to restrict access by unauthorized persons within 25 feet of this area.
2. Place a single layer of 6-mil poly on the ground surface to extend 10 feet beyond the materials extent.
3. Maintain emergency and fire exits from the Work areas, or establish alternative exits satisfactory to fire officials.
4. Establish 'Do Not Enter' caution tape barriers extending 10 feet beyond and surrounding the decontamination facility.
5. Roof level heating and ventilation air intake sources shall be isolated by polyethylene wrapping and the ventilation system shut down, or if systems cannot be shut down, devise a sealed system allowing intake air to be derived at a minimum of 15 feet beyond the work area.

D. Decontamination enclosure systems:

1. The decontamination enclosure facility will be constructed of two totally enclosed chambers as follows:
 - a. An equipment room, constituting an air lock, with an access doorway to a designated area of the Work area and an access doorway to the shower area.
 - b. A washroom, constituting an air lock, with an access doorway to the equipment room and an access doorway to an uncontaminated area.
 - c. All floors of the decontamination chamber will be covered with 2 layers of 6-mil plastic. Flooring plastic will extend up 12-inches along the decontamination walls. Flooring will be seamless in its application.
2. All decontamination systems or entry/exit system air locks will be constructed using Z-flap design, incorporating 2 layers of 6-mil plastic with the flaps extending the full height and width of the entrance space.
3. Ensure that a water source within the shower room is available for wet wiping of all exposed extremities and respirator prior to exiting the decontamination facility. All protective gear will be removed and be disposed of in the equipment room prior to entering the shower room.

E. Maintenance of Decontamination enclosure system and work area barrier:

1. Ensure that barriers are maintained and intact at all times. Repair damaged barriers and remedy defects immediately upon discovery.
2. Visually inspect enclosures and barriers at the beginning of each work period.

F. Asbestos removal work shall not commence until:

1. Arrangements have been made for disposal of waste at an acceptable site.
2. Work areas and decontamination systems and parts of the building required to remain in use are effectively segregated.
3. Tools, equipment, and material waste receptors are on hand.
4. Arrangements have been made for building security.
5. All other preparatory steps have been taken and applicable notices posted and permits obtained.
6. Removal work will not begin until the Owner/s representative authorizes work to commence, in writing.

3.2 ASBESTOS REMOVAL- ROOFING MATERIAL:

A. **General:** The Contractor shall remove all layers of roofing felts, tars, and other materials down to the roof structure or that specified in Section 01010 HM, and any loose debris shall be HEPA vacuumed.

B. Removal Methods:

1. Roofing material shall be removed in an intact state to the extent feasible.
2. Wet methods shall be used where feasible.
3. Cutting machines shall be continuously misted during use. All engine-powered rotating blade (RB) roof cutters with one or more rotating cutting blades (the edges of which are blunt as opposed to sharp or tapered edges) shall be equipped with a blade guard that completely encloses the blade and extends down close to the roof surface and a device for spraying a fine mist of water inside the blade guard in operation during the cutting of the roof.
4. The use of equipment with blades having sharp or tapered edges used for "slicing" rather than "cutting", or other methods that do not sand, grind, cut, or abrade the roofing material do not require NESHAP notification regardless of the size of the roof being removed.

C. Transfer of Waste to Bin:

1. Unwrapped or unbagged roofing material shall be immediately lowered to the ground directly into a disposal bin via polyethylene covered, dust-tight chute, crane or hoist, or placed in an impermeable clear 6-mil waste bag or wrapped in 6-mil polyethylene sheeting and lowered to the ground no later than the end of the work shift.
2. If possible, bagged roofing material shall be lowered to the ground directly into a disposal bin. If material must first be lowered to the ground, a 10 foot by 10 foot layer of 6-mil plastic will be set directly below the lowered material. The material will then be either carried or hauled to the disposal bin without touching the ground.
3. If a dust tight chute is used, 6-mil polyethylene will be placed from the base of the disposal bin to a distance of 8 feet beyond the perimeter of said bin. A dust cover of 6-mil polyethylene will be attached from the chute mouth to fully extend over the edges of the disposal bin at any time during its use in order to maintain a 'closed' system between the dust chute and the container bin.
4. Contractor shall make every effort to ensure that no over-spill occurs while loading the container bin through the use of a dust-tight chute. If over-spill occurs contractor shall immediately bag and clean the debris from the polyed area.
5. Unwrapped material shall not be lowered to the ground unless contained within a dust tight apparatus and into a closed receptacle.
6. Dry sweeping or brushing during removal or clean-up is strictly prohibited. Contractor shall use a HEPA vacuum in lieu of sweeping.

3.3 CLEANUP AND AIR MONITORING:

A. Air Monitoring:

1. If, during removal, visible dust is present, the Contractor shall modify his or her work practices to reduce emissions and provide workers with powered air-purifying respirator protection.

B. Clean-Up:

1. Wet clean all surfaces and remove all visible accumulation of asbestos containing material from the Work area.
2. Waste within the disposal bin must be covered at all times. At the end of the shift if waste remains on site. Waste must be within a hard-sided container and covered with 2 layers of 6-mil plastic and securely fastened to the container. During temporary storage, barrier tape must be placed around the perimeter of the bin.

3.4 DISPOSAL OF ASBESTOS-CONTAINING MATERIALS AND ASBESTOS-CONTAMINATED WASTE:

Section 02071 HM, Part 3.4, Asbestos-Containing Materials and Asbestos-Contaminated Waste, shall be modified in the following particulars only.

A. Asbestos Materials:

1. All materials shall be disposed of as non-hazardous asbestos containing materials.

3.5 REESTABLISHMENT OF OBJECTS AND SYSTEMS:

See Section 02071 HM, Part 3.5 for Reestablishment of Objects and Systems.

END OF SECTION

SECTION 02074A HM
ASBESTOS REMOVAL
ROOFING PENETRATION AND SEAM SEALANT MATERIAL

PART 1 - GENERAL

1.1 SCOPE:

- A. This Specification covers the removal and disposal of asbestos-containing roofing penetration and seam sealant materials in the locations identified in Section 01010 HM, Summary of the Work.

1.2 DESCRIPTION OF WORK:

- A. **General:** The Work specified herein shall be the removal of asbestos-containing and/or contaminated material by persons knowledgeable, qualified, and trained in the removal, treatment, handling, and disposal of asbestos-containing and/or contaminated material, the subsequent cleaning of the affected environment, and who comply with all Federal, State, and local laws and regulations which mandate work practices, and who are capable of performing the Work in these Specifications.

- B. **Contract Fulfillment:** The Contractor shall supply all labor, materials, equipment, services, insurance, and incidentals which are necessary or required to perform the Work in accordance with all applicable governmental regulations and these Specifications.

C. **Related Work Specified Elsewhere:**

Please refer to Section 02071 HM, Asbestos Removal and Section 01010 HM, Scope of Work Section.

1.3 TERMINOLOGY:

The terms used in these Specifications are defined in Section 02071 HM, part 1.3.

1.4 APPLICABLE DOCUMENTS:

See Section 02071 HM, Part 1.4, for Applicable Documents.

1.5 **SUBMITTALS AND NOTICES:**

Section 02071 HM, Part 1.5, Submittals and Notices, shall be modified in the following particulars only.

- A. The use of RB roof cutters on roofing projects involving more than 5,580 square feet require NESHAP notification.

1.6 **PERSONAL PROTECTION AND SAFETY:**

A. **Respiratory protection requirements:**

1. Respiratory protection for removal of asbestos-containing and/or contaminated roofing materials; **1/2 face negative pressure** are required as a minimum.
2. If powered air-purified respirators (PAPR) respirators are required, the respiratory requirements as set forth in Section 02071HM shall govern.
3. Provide authorized visitors with suitable respirators whenever they are required to enter the Work area.
4. If any roofing materials are deemed to be friable to such an extent as the tar matrix loses its binding properties by crumbling using thumb and forefinger pressure, then the following apply:
 - a. While pre-cleaning the Work area, prepping the Work area, loading the asbestos material in the transport vehicle and unloading the transport vehicle at the landfill all activities must be performed while wearing a 1/2 face negative pressure respirator.
 - b. The friability of the materials shall be at the sole discretion of the Owner's consultant, either during the bid walk or prior to abatement.

- B. **Posting of Procedures:** Provide and post, at the Work area, the decontamination and work procedures to be followed by workers and authorized visitors as described in these Specifications.

C. **Worker protection procedures:**

1. The Contractor shall provide adequate shower facilities. An employee leaving the Work area shall follow all decontamination procedures necessary or as described herein.
2. All workers and authorized visitors shall, don 2 sets of protective suits prior to entering the work area.

3. All workers and authorized visitors shall, each time they leave the Work area; remove gross contamination from protective clothing, HEPA vacuum clothing, and remove the outer protective suit and place within a waste bag located within the work area. All workers and authorized visitors shall then don a second disposable suit over the first, before leaving the Work area. Each person will then proceed immediately to the shower room and remove the disposable suits and place in a waste bag. After wet wiping all exposed body and equipment surfaces, workers and/or visitors may then proceed through the exit to the uncontaminated area.
4. Workers loading waste containers from the Work area, which are not directly placed in the waste bin or enclosure, shall wear a respirator and be dressed in clean disposable coveralls.

D. Equipment removal procedures:

1. Clean surfaces of contaminated containers and equipment thoroughly by wet sponging or wiping before moving such items from the Work area and to uncontaminated areas.
2. If gross material cannot be removed from the working end of the equipment (area coming in direct contact with asbestos-containing material), it shall be wrapped in a 6-mil plastic bag, or other suitable 6-mil plastic medium, and sealed with tape prior to leaving the Work area.

1.7 SUPERINTENDENT FOREMAN CRAFTSMAN:

The Contractor shall have a job superintendent (and/or Competent person) present at all times while work on this Contract is in progress.

The Project Superintendent (and/or Competent person) shall be thoroughly familiar and experienced with asbestos removal and related work and shall be familiar with and shall enforce the use of all safety procedures and equipment. He shall be knowledgeable of all EPA, OSHA, and NIOSH requirements and guidelines.

In addition to the Superintendent (an/or Competent person), the Contractor shall furnish one or more foremen who are familiar and experienced with asbestos removal and its related work, safety procedures, and equipment. If the Superintendent is not present then the foremen shall be a Competent person.

- A. It shall be a requirement of this Contract that the superintendent and/or one or more of the Contractor's foremen be inside the Work area at all times while work is in progress.
- B. It is the intent of these Specifications that all phases of the Work shall be executed by skilled craftsmen experienced or receiving training by on-site experienced personnel in each respective trade.
- C. The Competent person on-site must be able to clearly communicate in a manner so that the Owner's Consultant and Owner can clearly understand.

PART 2 - MATERIAL AND EQUIPMENT

2.1 MATERIALS:

See Section 02071 HM, Part 2.1 for Materials.

2.2 TOOLS AND EQUIPMENT:

Provide suitable tools for the work at hand.

PART 3 - EXECUTION

3.1 PREPARATION:

A. Separation of work areas from occupied areas:

1. Separate parts of the building required to remain in use from parts of the building that will undergo asbestos removal by means of barriers, constructed as follows:
 - a. Isolate the area in which removal will take place by placing barrier tape at least 25 feet from the work. If applicable, lock from external entry all but one entrance to the Work area.
 - b. Place asbestos warning signs at the barrier and at all open entrances to Work area. Signs must be placed conspicuously and must be easily read. Signs must conform to legal size and wording.
2. Shut down electric power. Provide temporary power and lighting and ensure safe installation of temporary power sources (if required) and equipment per applicable electrical code requirements.
3. Shut down and isolate heating, ventilating, and air cooling (HVAC) systems to prevent contamination and fiber dispersal to other areas of the structure. Isolate all supply intake ducting from Work area by installing 2 layers of 6-mil polyethylene over the intake using 6 inches of duct tape to affix polyethylene to intake housing.

B. Pre-clean work area:

1. Where ACM penetration/seam sealant material is in poor friable condition, clean all moveable objects within the Work area using HEPA vacuum equipment and/or wet cleaning methods as appropriate. In all cases, remove removable objects from the Work area to a designated temporary storage location. Protection of and accounting for the stored materials is the sole responsibility of the Contractor.
2. Where ACM material is in poor friable condition, pre-clean fixed objects within the proposed work areas, using HEPA vacuum equipment and/or wet cleaning methods as appropriate and, in all cases, cover with minimum of 6-mil polyethylene.

C. Prepare work area:

1. Erect asbestos hazard tape barriers and post the work area to restrict access by unauthorized persons within 25 feet of this area.
2. Place a single layer of 6-mil poly on the ground surface to extend 10 feet beyond the materials extent.
3. Maintain emergency and fire exits from the Work areas, or establish alternative exits satisfactory to fire officials.
4. Establish 'Do Not Enter' caution tape barriers extending 10 feet beyond and surrounding the decontamination facility.
5. Roof level heating and ventilation air intake sources shall be isolated by polyethylene wrapping and the ventilation system shut down, or if systems cannot be shut down, devise a sealed system allowing intake air to be derived at a minimum of 15 feet beyond the work area.

D. Decontamination enclosure systems:

1. The decontamination enclosure facility will be constructed of two totally enclosed chambers as follows:
 - a. An equipment room, constituting an air lock, with an access doorway to a designated area of the Work area and an access doorway to the shower area.
 - b. A washroom, constituting an air lock, with an access doorway to the equipment room and an access doorway to an uncontaminated area.
 - c. All floors of the decontamination chamber will be covered with 2 layers of 6-mil plastic. Flooring plastic will extend up 12 inches along the decontamination walls. Flooring will be seamless in its application.
2. All decontamination systems or entry/exit system air locks will be constructed using Z-flap design incorporating 2 layers of 6-mil plastic with the flaps extending the full height and width of the entrance space.
3. Ensure that a water source within the shower room is available for wet wiping of all exposed extremities and respirator prior to exiting the decontamination facility. All protective gear will be removed and be disposed of in the equipment room prior to entering the shower room.

E. Maintenance of Decontamination Enclosure System and Work Area Barrier:

1. Ensure that barriers are maintained and intact at all times. Repair damaged barriers and remedy defects immediately upon discovery.
2. Visually inspect enclosures and barriers at the beginning of each work period.

F. Asbestos removal work shall not commence until:

1. Arrangements have been made for disposal of waste at an acceptable site.
2. Work areas and decontamination systems and parts of the building required to remain in use are effectively segregated.
3. Tools, equipment, and material waste receptors are on hand.
4. Arrangements have been made for building security.
5. All other preparatory steps have been taken and applicable notices posted and permits obtained.
6. Removal work will not begin until the Engineer authorizes work to commence, in writing.

3.2 ASBESTOS REMOVAL – ROOFING PENETRATION/SEAM SEALANT MATERIAL:

A. **General:** The Contractor shall remove all sealant material to the base material or structure or that specified in Section 01010HM, and any loose debris shall be HEPA vacuumed.

B. Removal Methods:

1. Some areas may require intact removal, as outlined in the Scope of Work, and sealant applied component shall be removed with all traces of attached sealant material.
2. Where substrate material remains intact, all sealant shall be removed and a mastic remover shall be used on the substrate surfaces cleaning to a non-three (3) dimensional state.
3. Wet methods shall be used where feasible.
4. Cutting machines shall be continuously misted during use. All engine-powered rotating blade (RB) roof cutters with one or more rotating cutting blades (the edges of which are blunt as opposed to sharp or tapered edges) shall be equipped with a blade guard that completely encloses the blade and extends down close to the roof surface and a device for spraying a fine mist of water inside the blade guard in operation during the cutting of the roof.

5. The use of equipment with blades having sharp or tapered edges used for “slicing” rather than “cutting”, or other methods that do not sand, grind, cut, or abrade the roofing material do not require NESHAP notification regardless of the size of the roof being removed.

C. Transfer of Waste to Bin:

1. All removed non-friable sealant materials shall be expeditiously placed in clear 6-mil waste bags and shall be immediately lowered to the ground or placed directly into a disposal bin via polyethylene covered, dust-tight chute, crane or hoist, or placed in an impermeable waste bag or wrapped in polyethylene sheeting and lowered to the ground no later than the end of the work shift.
2. If possible, bagged roofing material shall be lowered to the ground directly into a disposal bin. If material must first be lowered to the ground, a 10 foot by 10 foot layer of 6-mil plastic will be set directly below the lowered material. The material will then be either carried or hauled to the disposal bin without touching the ground.
3. If a dust tight chute is used, 6-mil polyethylene will be placed from the base of the disposal bin to a distance of 8 feet beyond the perimeter of said bin. A dust cover of 6-mil polyethylene will be attached from the chute mouth to fully extend over the edges of the disposal bin at any time during its use in order to maintain a ‘closed’ system between the dust chute and the container bin.
4. Contractor shall make every effort to ensure that no over-spill occurs while loading the container bin through the use of a dust-tight chute. If over-spill occurs contractor shall immediately bag and clean the debris from the polyed area.
5. Unwrapped material shall be not be lowered to the ground unless contained within a dust tight apparatus and into a closed receptacle.
6. Dry sweeping or brushing during removal or clean-up is strictly prohibited. Contractor shall use a HEPA vacuum in lieu of sweeping.

3.3 CLEANUP AND AIR MONITORING:

A. Air Monitoring:

1. If, during removal, visible dust is present, the Contractor shall modify his or her work practices to reduce emissions and provide workers with powered air-purifying respirator protection.

B. Clean-Up:

1. Wet clean all surfaces and remove all visible accumulation of asbestos containing material from the Work area.
2. Where a waste bin is employed, waste within the disposal bin must be covered at all times. At the end of the shift, if waste remains on site, waste must be within a

hard-sided container and covered with 2 layers of 6-mil plastic and securely fastened to the container. During temporary storage, barrier tape must be placed around the perimeter of the bin.

3.4 DISPOSAL OF ASBESTOS-CONTAINING MATERIALS AND ASBESTOS-CONTAMINATED WASTE:

Section 02071 HM, Part 3.4, Asbestos-Containing Materials and Asbestos-Contaminated Waste, shall be modified in the following particulars only.

A. Asbestos Materials:

1. All materials shall be disposed of as non-hazardous asbestos containing materials.

3.5 REESTABLISHMENT OF OBJECTS AND SYSTEMS:

See Section 02071 HM, Part 3.5 for Reestablishment of Objects and Systems.

END OF SECTION

SECTION 02078 HM
ASBESTOS REMOVAL
WINDOW GLAZING REMOVAL (INTACT/NON-INTACT)

PART 1 - GENERAL

1.1 SCOPE:

This Specification covers the abatement of intact asbestos-containing interior or exterior window glazings from the following locations:

As described in Section 01010 HM, Scope of Work.

1.2 DESCRIPTION OF WORK:

A. **General:** The Work specified herein shall be the removal of asbestos-containing material by persons knowledgeable, qualified, and trained in the removal, treatment, handling, and disposal of asbestos-containing material, and the subsequent cleaning of the affected environment, and who comply with Federal and State regulations which mandate work practices, and who are capable of performing the Work of this Contract.

B. **Contract Fulfillment:** The Contractor shall supply all labor, materials, equipment, services, insurance, and incidentals which are necessary or required to perform the Work in accordance with applicable governmental regulations and these Specifications.

C. **Related Work Specified Elsewhere:**

Section 02071HM, Asbestos Removal and per Section 01010 HM, Scope of Work.

1.3 TERMINOLOGY:

The following terms used in these Specifications are defined in Section 02071 HM, Part 1.3.

1.4 APPLICABLE DOCUMENTS:

See Section 02071 HM, Part 1.4, for Applicable Documents.

1.5 SUBMITTALS AND NOTICES:

See Section 02071 HM, Part 1.5 for Submittals and Notices.

1.6 PERSONAL PROTECTION AND SAFETY:

- A. For materials which remain intact (do not delaminate from substrate during preparation), the following elements apply.
- B. If material does not remain intact during material removal preparation, Section 02071 HM, Part 1.6 applies.
- C. **Respiratory protection requirements:** All activities may be performed wearing a **half facepiece, negative pressure respirator.**
- D. **Worker protection procedures:**
 - 1. **General:** the Contractor shall provide Adequate shower facilities. An employee leaving the Work area shall follow all decontamination procedures necessary or as described herein.
 - 2. **Posted Procedures:** Provide and post, in the Equipment Room and the Clean Room, the decontamination and work procedures to be followed by workers and authorized visitors as described in these Specifications.
 - 3. **Entering the Work Area:** All workers and authorized visitors shall don a protective suit prior to entering the work area.
 - 4. **Personnel Exiting the Work Area:** All workers and authorized visitors shall, each time they leave the Work area; remove gross contamination from protective clothing and equipment, HEPA vacuum clothing and equipment, and remove the protective suit and place within a waste bag located within the work area. All workers and authorized visitors shall then proceed to the shower room and wet wipe all exposed extremities and equipment surfaces. After wet wiping all exposed body and equipment surfaces, workers and/or visitors may then proceed through the exit to the uncontaminated area.
 - 5. **Equipment removal procedures:** Clean surfaces of contaminated containers and equipment thoroughly by wet sponging or wiping before moving such items and then removing to uncontaminated areas.
 - 6. **Waste removal:** Workers loading waste containers from the Work area which are not directly placed in the waste bin or enclosure shall wear a respirator and dressed in clean disposable coveralls.
 - 7. **Safety Issues:** See Section 02071 HM, Part 1.6.D.5.

1.7 SUPERINTENDENT FOREMAN CRAFTSMAN:

The Contractor shall have a Project Superintendent (and/or Competent person) present at all times while work on this Contract is in progress.

The Project Superintendent (and/or Competent person) shall be thoroughly familiar and experienced with asbestos removal and related work and shall be familiar with and shall enforce the use of all safety procedures and equipment. He or she shall be knowledgeable of all EPA, OSHA, and NIOSH requirements and guidelines.

In addition to the Superintendent (an/or Competent person), the Contractor shall furnish one or more foremen who are familiar and experienced with asbestos removal and its related work, safety procedures, and equipment. If the Superintendent is not present, then the foremen shall be a Competent person.

- A. It shall be a requirement of this Contract that the Superintendent and/or one or more of the Contractor's foremen be inside the Work area at all times while work is in progress.
- B. It is the intent of these Specifications that all phases of the Work shall be executed by skilled craftsmen experienced or receiving training by on-site experienced personnel in each respective trade.
- C. The Competent person on-site must be able to clearly communicate in a manner so that the Owner's Consultant and Owner can clearly understand.

PART 2 - MATERIAL AND EQUIPMENT

2.1 MATERIALS:

See Section 02071 HM, Part 2.1, for Materials.

2.2 TOOLS AND EQUIPMENT:

- A. For materials which remain intact (do not delaminate from substrate during material preparation), Section 02071 HM, Part 2.2.B, Part 2.2.C, and Part 2.2.D do not apply.
- B. If material does not remain intact during material removal preparation, Section 02071 HM applies.

PART 3 - EXECUTION

3.1 PREPARATION:

- A. For materials which remain intact (do not delaminate from substrate during the following procedures), the following procedures apply.
- B. If material does not remain intact during material removal preparation, Section 02071 HM, Part 3.1 applies.
- C. **Prepare work area:**
 - 1. Cover floor surfaces with plastic sheeting sealed with tape. Use a minimum of one layer of 6-mil plastic on floors.
 - 2. Cover impacted walls with a single layer of 6-mil plastic.
 - 3. Erect barrier tape at a distance of 25 feet from any one removal area.
- D. **Decontamination Facilities:**
 - 1. The decontamination enclosure facility will be constructed of two totally enclosed chambers as follows:
 - a. An equipment room, constituting an air lock, with an access doorway to a designated area of the Work area and an access doorway to the shower area.
 - b. A washroom, constituting an air lock, with an access doorway to the equipment room and an access doorway to an uncontaminated area.
 - c. All floors of the decontamination chamber will be covered with 2 layers of 6-mil plastic. Flooring plastic will extend up 12 inches along the decontamination walls. Flooring will be seamless in its application.
 - 2. All decontamination systems or entry/exit system air locks will be constructed using Z-flap design incorporating 2 layers of 6-mil plastic with the flaps extending the full height and width of the entrance space.
 - 3. Ensure that a water source within the shower room is available for wet wiping of all exposed extremities and respirator prior to exiting the decontamination facility. All protective gear will be removed and be disposed of in the equipment room prior to entering the shower room.

3.2 ASBESTOS REMOVAL:

- A. For materials which remain intact (do not delaminate from substrate during the following procedures) the following procedures apply.
- B. If material does not remain intact during material removal preparation, Section 02071 HM, Part 3.2 applies.
- C. Window panels shall be covered with 6-mil spray glue and a single layer of 6-mil plastic shall be affixed to frame and glazing, on both inside and outside surfaces, so as to prevent lamination and exposure to outside air of the glazing during removal of intact windows. Plastic sheeting must remain adhered to surfaces, sealing the glazing from outside air during all phases of preparation and removal, else Section 02071 HM, Part 3.2 applies.

3.3 CLEANUP AND AIR MONITORING:

Employ the following procedures in cleaning up the Work area:

- A. For materials which remain intact (do not delaminate from substrate during the following procedures), the following procedures apply.
- B. If material does not remain intact during material removal preparation, Section 02071 HM, Part 3.3 applies.
- C. Wet clean all surfaces and remove all visible accumulation of asbestos containing material from the Work area including the top layer of plastic if not previously removed. Prepare the Work area for the final air test which will be performed after a visual inspection.
- D. Owner's consultant will conduct a thorough visual inspection prior to setting air pumps. Upon successful completion of the visual inspection and Owners consultant's determination that all surfaces in the Work area are dry and free of contamination, the final air clearance test will be conducted.
- E. The final air clearance test will consist of PCM Testing NIOSH using the 7400 Method (less than 0.01 fibers per cubic centimeter (f/cc)).
- F. Additional testing required after the one initial test and one final test will be the responsibility of the Contractor. In the event of additional testing, the Contractor may reimburse Owner, or reduce the Contract amount by change order. It is the Owner's intent to have, at no charge to the Contractor, one initial test and one final test performed in each area. A test may consist of one sample or a series of samples performed at the same time.

3.4 **DISPOSAL OF ASBESTOS-CONTAINING MATERIALS AND ASBESTOS-CONTAMINATED WASTE:**

A. For materials, containing one percent or greater asbestos, Section 02071 HM.3.4 applies.

B. For materials containing less than one percent, Section 02071 HM, Part 3.4, Disposal of Asbestos-Containing Materials and Asbestos Contaminated Waste, applies but modified in the following particulars only.

1. **Asbestos materials:**

- a. For those materials containing less than 1% asbestos; material shall be placed in 6-mil unlabeled bags or covered with 6-mil plastic and sealed with duct tape. Generator labels will be affixed to bags according to Cal-OSHA regulations. Bagged material will be decontaminated according to Section 02071HM.

2. **Asbestos waste:**

- a. Bagged material may be disposed of in accordance with Federal, State, and Local regulations (i.e., non-hazardous waste)

3.5 **REESTABLISHMENT OF OBJECTS AND SYSTEMS:**

See Section 02071 HM, Part 3.5, for reestablishment of object and systems.

END OF SECTION

SECTION 02092 HM

LBP, LEAD CONTAINING MATERIALS REMOVAL (Abrasive, Ceramic Tile)

PART 1 - GENERAL

1.1 SCOPE:

This Specification covers the abatement of materials containing lead-based paint as described in Section 01010 HM, Scope of Work.

1.2 DESCRIPTION OF WORK:

- A. **General:** The Work specified herein shall be the removal of lead-containing materials and lead dust environments by persons knowledgeable, qualified, and trained in the removal, treatment, handling, and disposal of lead-based paint and lead containing materials, and the subsequent cleaning of the affected environment, and who comply with Federal, State, and Local regulations and guidelines which mandate work practices, and who are capable of performing the Work of this Contract.
- B. **Contract Fulfillment:** The Contractor shall supply all labor, materials, equipment, services, insurance, and incidentals which are necessary or required to perform the Work in accordance with applicable governmental regulations and guidelines and these Specifications.

1.3 TERMINOLOGY:

The following terms used in these Specifications are defined as listed below:

- A. **Abatement:** Any measure designed to permanently eliminate lead-based paint hazards in accordance with standard established by EPA Administrator pursuant to Title IV of the Toxic Substances Control Act (TSCA).
- B. **Abatement Area:** The exterior of the building or an area isolated from the building interior by containment.
- C. **Accessible Surface:** Any surface, which is below 5 feet in height from the floor or ground or is exposed in such a way that a child could come in contact with the surface.
- D. **Access Doorway:** A device to allow ingress and egress from one room or area to another while permitting minimal air movement between the rooms, typically constructed by placing two or three overlapping sheets of plastic over an existing or temporarily framed doorway, securing each along the top of the doorway, securing the vertical edge of one sheet along one vertical side of the doorway, and securing the vertical edge of the other sheet along the opposite vertical side of the doorway; or by using a rigid gasketed door and HEPA filter vents.

- E. **Action Level:** An exposure of airborne concentrations of lead dust particulates in excess of thirty micrograms per cubic meter ($30 \mu\text{g}/\text{m}^3$) of air calculated as an 8 hour time weighted average (TWA).
- F. **Air Filtration Equipment:** A portable local filtration system equipped with HEPA filtration and capable of maintaining a constant, low velocity flow to filter and trap contamination out of the air within the work area and then circulate or exhaust the filtered air to uncontaminated areas. This equipment is also used to establish a reduced pressure within the work area.
- G. **Air Monitoring:** The process of measuring the lead content of a specific volume of air in a stated period of time.
- H. **Air Sampling Professional:** The professional contracted or employed to supervise air monitoring and analysis schemes. This individual is also responsible for recognition of technical deficiencies in Worker protection equipment and procedures during both planning and on-site phases of an abatement project. This individual shall be certified in the comprehensive practice of air sampling for lead by Department of Health Services (DHS) as a Lead Project Monitor or Lead Supervisor.
- I. **Air Lock:** A system for permitting ingress and egress with minimum air movement between a contaminated area and an uncontaminated area, consisting of dual or triple curtained doorways or rigid gasketed doors separated by a dead air space of four feet.
- J. **Authorized Person or Visitor:** The building owners, his or her authorized representative, or any representative of a regulatory or other agency having jurisdiction over the Project.
- K. **Biological Monitoring:** The analysis of a person's blood to determine the level of lead contamination in the body. Biological monitoring for lead hazard reduction work includes blood sampling and analysis for lead and zinc protoporphyrin levels.
- L. **Certified Industrial Hygienist:** A person certified by American Board of Industrial Hygienist and who has at least four years experience and a graduate degree or five years experience; and who has passed a two-day examination offered by the board (see also industrial hygienist).
- M. **Clean Room:** An uncontaminated area or room which is a part of the Work decontamination facility with provisions for storage of worker's street clothes and protective equipment.
- N. **Clearance Testing:** Post abatement procedure as required by DHS. A clearance inspection must be conducted after abatement is completed. Only a DHS certified lead inspector/assessor or a Project Monitor may conduct a clearance inspection.
- O. **Code Enforcement Agency:** The State Lead Poisoning Prevention Program or its agent, or the local board of health or other agency responsible for enforcing the State Sanitary Code or Sections thereof.
- P. **Commissioner:** The commissioner of Public Health.

- Q. **Common Area:** A room or area that is accessible to more than one tenant in a building (e.g., common hallways, stairwells, laundry rooms).
- R. **Containment:** A process for protecting other workers, residents, and the environment by isolating areas from exposures to lead dust and debris created during abatement in a work area.
- S. **Curtained Doorway:** A device to allow ingress and egress from one room to another while permitting minimal air movement between the rooms, typically constructed by placing two overlapping sheets of plastic over an existing or temporarily framed doorway, securing each along the top of the doorway, securing the vertical edge of one sheet along one vertical side of the doorway, and securing the vertical edge of the other sheet along the opposite vertical side of the doorway (referred to as Z-fold design).
- T. **Decontamination Facility:** A series of connected rooms, with curtained doorways between any two adjacent rooms for the decontamination of workers and of materials and equipment. A decontamination enclosure system always contains at least one airlock.
- U. **Defective surface:** Peeling, flaking, chalking, scaling, or chipping paint; or, paint over crumbling, cracking, or falling plaster, or plaster with holes in it; paint over a defective or deteriorating substrate; paint that is separating from the substrate; and paint that is damaged in any manner such that a child could be exposed to the paint from the damaged area.
- V. **Employee:** Any person employed or hired by an employer in any lawful employment.
- W. **Employer:** Any person, firm, corporation, partnership, association, or other entity engaged in a business or providing services, including the State and any of its political subdivisions, or any person acting in the direct interest of any of the foregoing in relation to any employee or place of employment.
- X. **Encapsulant (sealant):** A liquid material which can be applied to lead containing material and which controls the possible release of lead from the material either by creating a membrane over the surface (bridging encapsulant) or by penetrating into the material and binding its components together (penetrating encapsulant).
- Y. **Encapsulation:** Procedures necessary to apply an encapsulant to lead containing building materials to control the possible release of lead dust particulates or entrained material into the ambient air.
- Z. **Enclosure:** Procedures necessary to enclose completely lead containing material behind airtight, impermeable, permanent barriers.
- AA. **Entity:** Any person, partnership, firm, association, corporation, sole proprietorship, or any other business concern, state or local government agency or political subdivision or authority thereof, or any religious, social, or union organization, whether operated for profit or otherwise.

- BB. **Equipment Room:** A contaminated area or room, which is part of the Worker decontamination enclosure with provisions for storage of contaminated clothing and equipment.
- CC. **Equipment Decontamination Facility:** That portion of a decontamination facility designed for controlled transfer of materials and equipment, typically consisting of a washroom and a holding area.
- DD. **Equipment Room:** A contaminated area or room which is part of the worker decontamination facility with provisions for storage of contaminated clothing and equipment.
- EE. **Fixed Object:** A unit of equipment or furniture in the Work area which cannot be removed from the Work area.
- FF. **General Trades Contractor:** Shall refer to the contractor responsible for coordination of all filed sub-bids and general construction.
- GG. **Hazardous Level of Lead for Waste Disposal:** 5.0 parts per million (ppm) as defined by RCRA Toxicity Characteristic Leachate Procedure (TLCP) or other requirements set by local or state authorities.
- HH. **High Phosphate Detergent:** Detergent that contains at least five percent (5%) tri-sodium phosphate (TSP) or other equally effective cleaning agent.
- II. **HEPA Filter:** A high efficiency particulate air (HEPA) filter capable of trapping and retaining 99.97 percent of particles greater than 0.3 micrometers in mass median aerodynamic equivalent diameter.
- JJ. **HEPA Vacuum Equipment:** Vacuuming equipment with a HEPA filter system.
- KK. **Holding Area:** A chamber in the equipment decontamination facility located between the washroom and an uncontaminated area. The holding area comprises an airlock.
- LL. **Intact Surface:** A defect-free surface with no loose, peeling, chipping, or flaking paint. Painted surfaces must be free from crumbling, cracking, falling plaster, and must not have holes in them. Intact surfaces are not damaged in any way.
- MM. **Log Book:** A notebook or other book containing essential project data and daily project information and a daily project diary. This book is kept on the Project site at all times.
- NN. **Lead-based:** Refers to paints, glazes, and other surface coverings containing a toxic level of lead.
- OO. **Lead-Containing:** Refers to Paints, glazes, and other surface covering containing a detectable level of lead.
- PP. **Mini-Enclosure:** A method with limited applications for removing small amounts of lead-based paint material typical for small-scale, short duration type projects.

- QQ. **Movable Object:** A unit of equipment or furniture in the Work area that can be removed from the Work area.
- RR. **Negative Air Pressure Equipment:** A portable local exhaust system equipped with HEPA filtration and capable of maintaining a constant, low velocity air flow into contaminated areas from adjacent uncontaminated areas.
- SS. **Paint Removal:** All herein specified procedures necessary to remove or strip lead-based paint from the surfaces of components and to dispose of these materials at an acceptable site. Removal may consist of off-site or on-site paint removal as specified.
- TT. **Permissible Exposure Limit:** An airborne lead concentration of fifty micrograms per cubic meter of air ($50 \mu\text{g}/\text{m}^3$) or greater, averaged over an 8 hour period.
- UU. **Personal Monitoring:** Sampling of lead fiber concentrations within the breathing zone of a lead Worker.
- VV. **Plasticize:** To cover floor and walls with plastic sheeting as herein specified.
- WW. **Qualified Abatement Subcontractor:** A sub-contractor capable of providing a properly trained and equipped work force for abatement work. All employees to perform abatement activities shall have successfully completed a minimum of 24 hours of training in the potential hazards of abating lead-based paint. Abatement contractors must possess the appropriate license or certification from the state or local government.
- XX. **Removal:** A strategy of abatement, which entails the removal of components, such as windows, doors, and trim that contain toxic levels of lead such that new components that are lead free may be installed.
- YY. **Replacement:** A method of abatement that involves removing components that have lead-based paint surfaces and installing new components free of lead-based paint.
- ZZ. **Shower Room:** A room or area in the worker decontamination unit facility with hot and cold or warm running water and suitably arranged for complete showering during decontamination. An alternate site away from the decontamination facility may be used as approved by the Owner's consultant.
- AAA. **Subcontractor:** Shall refer to the Abatement Contractor.
- BBB. **Surfactant:** A chemical wetting agent added to water to improve penetration.
- CCC. **Toxic Characteristic Leachate Procedure (TCLP):** EPA required sample preparation for determine the hazard characteristic of a waste generated at a lead abatement site.
- DDD. **Toxic Level of Lead in Surface Coatings:** 1.0 milligrams or more per square centimeter (mg/cm^2) ($0.7 \text{ mg}/\text{cm}^2$ in Los Angeles County) by XRF methods or $5,000 \mu\text{g}/\text{g}$ (0.5%) by laboratory testing, as defined in HUD Regulation and Lead-Base Paint Poisoning Prevention Act.

- EEE. **Washroom:** An area between the Work area and the holding area in the equipment decontamination area.
- FFF. **Wet Cleaning:** The process of eliminating lead-based paint contamination from building surfaces and objects by using cloths, mops, or other cleaning tools that have been dampened with water, and by afterwards disposing of these cleaning tools as lead contaminated waste.
- GGG. **Wet Wall:** Shall refer to walls which contain plumbing fixtures and/or pipes, including both supply and sanitary lines.
- HHH. **Wipe Sampling:** The process of collecting and analyzing lead material from a specific surface area to determine residual lead levels.
- III. **Work Area:** Designated rooms, spaces, or areas of the Project in which lead-based paint abatement actions are to be undertaken or which may become contaminated as a result of such abatement actions. A contained work area is a work area that has been sealed, plasticized, and equipped with a decontamination enclosure system. A non-contained work area is an isolated or controlled-access work area that has not been plasticized nor equipped with a decontamination enclosure system.
- JJJ. **Worker Decontamination Facility:** That portion of a decontamination facility designed for controlled passage of workers, and other personnel and authorized visitors, typically consisting of a clean room, a shower room, and an equipment room.

1.4 **APPLICABLE DOCUMENTS:**

The current issue of each document shall govern. Where conflict among requirements or with these Specifications exists, the more stringent requirements shall apply.

- A. **Regulations:** Comply with all codes, regulations, and references applicable to lead abatement work include but are not limited to the following:
1. All Federal, State, Local, and South Coast Air Quality Management District regulations.
 2. American National Standards Institute (ANSI) publications;

Z9.2-79	Fundamentals Governing the Design and Operation of Local Exhaust Systems
Z87.1-79	Occupational and Educational Eye and Face Protection
Z88.2-80	Practices for Respiratory Protection
Z89.1-81	Requirements for Protective Headgear for Industrial Workers
Z41-83	Personal Protection - Protective Footwear

- Z88.6-84 Respiratory Protection Respiratory use Physical Qualifications
for Personnel
3. American Society for Testing and Materials (ASTM) publications;
- D1 331-56 Surface and Interfacial Tensions of Solutions of Surface Active
Agents.
4. Code of Federal Regulations (CFR);
- 29 CFR 1910 General Industry Standard
- 29 CFR 1910.1025 Lead Standard for General Industry
- 29 CFR 1910.134 Respiratory Protection
- 29 CFR 1910.1200 Hazard Communication
- 29 CFR 1910.245 Specifications for Accident Prevention (Signs and
Tags)
- 29 CFR 1926 Construction Industry Standards
- 29 CFR 1926.62 Construction Industry Lead Standard
5. Code of Federal Regulations (CFR) (cont'd);
- 40 CFR Part 261 United States Environmental Protection Agency
Regulations
- 40 CFR Part 745 Residential Property Renovation
- 24 CFR Parts 35-37 HUD Lead-Based Paint Regulations.
6. Compressed Gas Association, Inc.
- G-7.1 Commodity Specification for Air
7. National Fire Protection Association (NFPA)
- No. 70. National Electrical Code
8. UL 586-77 (R1 982) Test Performance of High Efficiency Particulate Air Filter
Units (June 10, 1977, 5th Ed.; Rev. March 12, 1982)
9. National Institute for Occupation Safety and Health (NIOSH)
- N31, 3rd. Ed., Vol. 1, Manual of Analytical Methods, Method 7082.
10. Environmental Protection Agency Documents:

EPA 530-SW-85-007	Lead Waste Management Guidance, May 1985
EPA 560/5-85-024	Guidance for Controlling Lead-Base Paint in Buildings, June 1985
EPA 600/4-85-049	Measuring Airborne Lead Following and Abatement Action, November 1985
EPA 560 OPTS-86.001	A Guide to Respiratory Protection for the Lead Abatement Industry, April 1986

11. California Administrative Code (CAQ):

Title 8, Article 2.5, Sections 341.6 - 341.14, Registration Lead-Related work

Title 8, Section 5216, General Industry Safety Orders, Lead Regulations

Title 8, Section 1532.1, Cal/OSHA Construction Safety Orders, Lead

Title 8, Section 3203, Cal/OSHA Injury and Illness Prevention Program

Title 17, Division 1, Chapter 8, Accreditation, Certification, and Work Practices for Lead-Based Paint and Lead Hazards

12. California Administrative Code (CAQ) (cont'd):

Title 22, Division 4, Minimum Standards for Management of

Chapter 30 Hazardous and Extremely Hazardous Waste

13. South Coast Air Quality Management District Regulations

Rule 1420, Emissions Standard for Lead

14. Los Angeles County Code

Title 11, Health and Safety, Chapter 11.28, Lead Hazards

Title 12, Environmental Protection

1.5 SUBMITTALS AND NOTICES:

Prior to commencement of work and/or within the time-frames specified below:

A. **General:** Requirements are as set forth in the General Conditions and Supplementary Conditions for items required to be submitted under this section.

B. **Product data:** Shall include manufacturer's product data, specifications, samples and application instructions and other pertinent information as necessary.

- C. **Alternatives:** Product substitution submittal shall be in accordance with the General Conditions and Supplementary Conditions.
- D. **Procedure Plans and Shop Drawings:** Submit to the Owner's consultant Procedure Plans and Shop Drawings and ensure that they are in compliance with this Specification and applicable regulations. Shop Drawings will include: construction of decontamination enclosure systems and/or facilities; isolation of the Work areas; placement of negative air machines and their exhaust, emergency exits, and placements of fire extinguishers and first aid kits.
1. Personnel monitoring procedures in accordance with T8 CCR 1532.1
 2. Phasing of abatement work indicating daily roster of workers for each phase.
 3. Security system warning signs locations in accordance with 29 CFR 1910.245, and T8 CCR 1532.1.
 4. Detailed plans for decontamination facilities, toilets, and systems providing inter-room and work area to outside communication showing connections to existing building.
 5. Standard procedures for protecting workers, visitors, and employees and protection of spaces outside work area from contamination.
 6. Engineering systems exposure control indicating number, location, and capacity of supply and exhaust systems, the expected direction of flow, and the range of expected negative air pressure in each area.
- E. **Qualifications:** Within 10 days from Notice to Proceed, submit the following documents:
1. **License:** Submit copy of current contractor license from the California Contractors State License Board.
 2. **Personnel Training-Superintendent and Foreman:** Submit copy of certificates of completion from a training course in lead abatement project supervision offered by a California accredited educational institution, and a copy of certification from California Department of Public Health (CDPH) as a lead supervisor. Copies of these documents shall be maintained in the Project Logbook. Substitutions may be made by written notice to Owner's consultant.
 3. **Personnel Training-Workers:** Submit copy of certificates of completion from a training course in lead abatement project supervision offered by a California accredited educational institution, and a copy of certification from California Department of Public Health (CDPH) as a lead worker. Copies of these documents shall be maintained in the Project Logbook. Substitutions may be made by written notice to Owner's consultant.
 4. **Personal Protection and Exposure Understanding:** Submit documentation to the Owner's consultant indicating that each employee has had instruction on the

hazards of lead exposure, on use and fitting of respirator, on protective dress, on use of showers, on entry and exit from work areas, and on all aspects of work procedures and protective measures and understands this instruction.

5. **Respirators:** Submit a written standard operating procedure governing selection, fit-testing, and use of respirators in accordance with 29 CFR 1910, Subpart 1, 29 CFR 1926.1101, CGAI Standard G7.1, ANSI Z88.2, and Z88.6. Also submit manufacturer's certification that the respirators to be used in this project comply with these regulatory requirements.
6. **Medical Examination:** Submit proof that personnel who will be entering contaminated areas have had medical examinations, and furnish the results of said exam to Owner's consultant. Comply with 29 CFR 1910.20 for access to employee exposure and medical records.
 - a. **Exam and History:** Before exposure to lead, provide each employee with a comprehensive medical exam meeting the general definition outlined in California Administration Code Title 8, CCR. No employee shall be allowed to enter the Work Area without having first provided a copy of his or her Medical History to the Owner's Representative.
 - b. **Employee Roster:** Submit an employee roster to Owner's consultant for each Work shift and confirm in writing within 24 hours of commencement of shift. The roster will consist of a list of employees who have received training and medical examinations per paragraphs Part 1.5, E.2, E.3, E.5, and E.6 of this section. A copy of this list is to be maintained in the Project Logbook.

F. **Notifications, Permits, Communications and Postings.**

1. **Submit copies of notifications to all appropriate Government agencies, including the following:**
 - a. CAL-OSHA (310) 949-7827 Notification shall be in accordance with the Section 341.9 of Title 8 of California Administrative Code.
 - b. California Department of Public Health, Childhood Lead Poisoning Prevention Branch (if applicable - 5 days prior to work).
 - c. Copies of Government agency correspondence shall be included in the submittals.
 - d. Where local police and fire departments have jurisdiction, secure approval of the proposed security and safety plans for the work prior to submittal to Owner's Representative. Contact both departments for the requirements of the approval process.
2. **Proof of Permits, Site Requirements, and Disposal of Waste:** Submit proof satisfactory to the Owner's consultant that all required testing, permits, site location, and arrangements for transport and disposal of lead-coated or contaminated materials, supplies, and the like have been obtained.

3. **Safety Compliance:** In addition to detailed requirements of this Specification, comply with laws, ordinances, rules, and regulations of federal, state, regional, local authorities, and of Owners regarding handling, storing, transporting, and disposing of lead waste materials. Comply with applicable requirements of the current issue of 29 CFR 1910. 29 CFR 1926.62, and 40 CFR 261, 40 CFR. Parts 35, 36, 37, and CAC Section 5208. Submit matters of interpretation of standards to the appropriate administrative agency for resolution before starting Work. Where requirements of this Specification and reference documents vary, the most stringent requirement shall apply.
4. **Availability of Regulatory References:** Contractor shall have at least one copy each of 29 CFR 1910; 29 CFR 1910.134; 29 CFR 1926; 40 CFR Part 261; and CAC, Title 8, Section 5208, at his or her office and also at the job site.
5. **Posting of Caution Signs:** Before the commencement of any Work at the site, post bilingual EPA and CAL-OSHA caution signs in and around the Work Area to comply with EPA and OSHA regulations.
6. **Submit Training and Certifications:** All lead workers assigned to this project must be accredited as a Lead Worker under the California Department of Public Health (CDPH). At least one employee on each shift shall be currently accredited as a Supervisor and shall have successfully completed in the last 12 months a course of instruction meeting the requirement for "Competent Person." At least one employee on each shift shall be currently accredited in accordance to the Environmental Protection Agency's (EPA) Renovation, Repair, and Painting (RRP) regulation. In addition, Hazardous Material Contractor must also be certified as a firm in accordance with the EPA's RRP regulation
7. **Project Logbook Submittals:** Submit front-end documents of Project Logbook. These documents will include copies of the Contractor's Respiratory Protection Program, HUD and OSHA documents, worker decontamination procedures, equipment decontamination procedures, authorized personnel list, format of daily report sheets, test reports on waste materials, and format of waste manifests. The completed daily reports and waste manifests shall be submitted along with pay requests for completed work. Copies of these front-end documents shall be maintained at the site during the lead removal phase of the Project.
 - a. The Superintendent is required to keep the Project Logbook up to date, ensure that all work criteria is followed in the proper sequence, and to fill out the enclosed check list to document the progression of the job. A separate checklist will be required for each individually prepped work area.
8. **Property Condition Assessment:** Owner, Architect/Engineer or Owner's consultant, and Contractor must agree in writing on building and fixture condition prior to commencement of Work. The Contractor shall submit an inventory of all items removed from the Work area and an inventory of all items remaining in the Work area.
9. **Informing Other Trades:** The lead abatement contractor must inform other employers on site of the nature of the Contractor's work with lead-based paint and

the existence of and requirements pertaining to regulated areas. Such notification shall be coordinated with, and approved by, the Owner.

10. **Pressure Strip Recordings:** At the termination of the project, submit copies of all pressure strip chart recordings.

G. **Field Air Sampling:**

Personal monitoring and other monitoring which is required by law or considered necessary by the Contractor for Worker protection shall be the responsibility of the Contractor and performed by Contractor's Air Sampling Professional.

H. **Certifications:**

1. **Equipment Certification:** Submit manufacturer's certification that vacuums, negative air pressure equipment filters, and other local exhaust ventilation equipment conform to ANSI Z9.2, as well as all Federal, State, Local, and SCAQMD regulations (permit to construct).
2. **Rental Equipment:** When rental equipment is to be used in removal areas or to transport waste materials, a copy of the written notification provided to the rental company informing them of the nature of use of the rented equipment shall be submitted to the Owner's representative or Owner and signed by the rental company.

1.6 **PERSONAL PROTECTION AND SAFETY:**

- A. **General:** The Contractor alone shall be responsible for the safety, efficiency, and adequacy of his or her plant, appliances, methods, and for any damages which may result from his or her operations, improper construction practices, or maintenance. He or she shall erect and properly maintain at all times as required by the conditions and progress of the Work, proper safeguards for the protection of workmen and the public and shall post warning signs around the job site.

B. **Personal Protective Equipment:**

1. Provide workers and authorized visitors with sufficient set of protective full body impervious protective clothing. Personal Protective Equipment shall comply with the requirements of 29 CFR 1910, Subpart I., and Title 8 CCR Section 1532.1.
2. Work clothes shall consist of fire retarding, disposable, full-body coveralls, head covers, boots, rubber gloves, and steeled-toe boots or equivalent in accordance with 29 CFR 1926.134, and ANSI Z41. Sleeves at wrists and cuffs at ankles shall be secure.
3. Provide eye protection and hardhats as required by applicable safety regulations and shall conform to ANSI 87.1 and 89.1.

C. **Respiratory Protection Requirements:**

1. Disposable (single use) respirators are not to be worn for protection against lead.

2. **Providing of Equipment:** Provide all workers, foremen, superintendents, authorized visitors, and inspectors personally issued and marked respiratory equipment approved by NIOSH. When respirators with disposable filters are employed, provide sufficient filters for replacement as recommended by manufacturers or this specification. Selection of respirators shall be made according to the guidance of 29 CFR 1910.134; Title 8 CCR Section 1532.1; ANSI Z88.2; CGAI G7.1; EPA 560 OPTS-86.001; and Table I of this section. The Contractor shall provide masks, new in the box, in all sizes produced by the respirator manufacturer (one each). These masks shall be provided for the exclusive use of the Owner's representatives and shall be available at all times.
3. **Approved Respirators:** Contractor will ensure that all respirators used shall be selected from those approved by National Institute of Occupational Safety and Health (NIOSH) for use in atmospheres containing lead, solvents, removers, and against other toxic materials which may be used during the project.
4. **Powered Air-Purifying Respirators (PAPR) usage:** Full containment work activities associated with the abatement of materials coated with lead-based paint where lead containing dust particulates are expected (i.e., sand blasting) shall be conducted while wearing, at a minimum, a full facepiece, powered air-purifying respirator equipped with HEPA filters during the following tasks or under the following conditions:
 - a. During removal of lead-containing materials.
 - b. During all cleanup and wipe-down of area.
 - c. During final wipe down of work space.
 - d. At any time that air monitoring levels indicate that lead concentrations are at least 500 $\mu\text{g}/\text{m}^3$ or greater.
 - e. Any situation where gross contamination has occurred because of a tear or rupture in the containment and air sampling indicates airborne lead levels have exceeded 500 $\mu\text{g}/\text{m}^3$.
5. **1/2 Face Respirator Usage:** For the following tasks or conditions a 1/2 mask air-purifying respirators equipped with high efficiency filters may be used:
 - a. Provided maximum airborne lead concentration outside the respirator is at or below 250 $\mu\text{g}/\text{m}^3$.
 - b. During intact component removal, paint film stabilization (loose and flaky paint) work.
 - c. Pre-construction sealing of openings and penetrations to the work areas with plastic sheeting.
 - d. Decontamination of removable items.

- e. Loading lead-containing drums on truck for transportation and unloading bags at approved landfill.

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Table 1. Respiratory Protection for Lead Aerosols

Airborne concentration of lead or condition of use	Required Respirator
Not in excess of 500 µg/m ³	*1/2 mask air purifying respirator with high efficiency filters. 2,3 *1/2 mask supplied air respirator operated in demand (negative pressure) mode.
Not in excess of 1,250 µg/m ³	* Loose fitting hood or helmet powered air-purifying respirator with high efficiency filters. *Hood or helmet supplied air respirator operated in a continuous - flow mode - e.g., type CE abrasive blasting respirator operated in a continuous - flow mode.
Not in excess of 2,500 µg/m ³	* Full facepiece air purifying respirator with high efficiency filters. *Tight fitting powered air-purifying respirator with high efficiency filters. *Full facepiece supplied air respirator operated in demand mode. *Full facepiece self-contained breathing apparatus (SCBA) operated in demand mode.
Not in excess of 50,000 µg/m ³	*1/2 mask supplied air respirator operated in pressure demand or other positive - pressure mode
Not in excess of 100,000ug/m ³	*Full facepiece supplied air respirator operated in pressure demand or other positive-pressure mode - e.g., type CE abrasive blasting respirators operated in a positive - pressure mode.
Greater than 100,000 µg/m ³ unknown concentration, or fire fighting.	*Full facepiece SCBA operated in pressure demand or other positive - pressure mode.

* Greater respiratory protection is always acceptable regardless of lead concentrations.

6. **Type "C" Respirator Usage:** When Type "C" respirators are not required according to 29 CFR 1926.134, Title 8 CCR, Section 1532.1, or this specification, (whichever is more stringent), provide sufficient quantity of filters jointly approved by NIOSH for use in **lead and other** environments so that workers can change filters as required by manufacturer during the workday. Filters shall not be used any longer than one workday. Respirator filters shall be stored at job site in clean room and shall be totally protected from exposure to lead and other hazardous materials prior to their use.
7. **Air Supply Compressors:** Compressors shall meet the requirements of 29 CFR 1910.134 and the following:
 - a. Periodic inspection of the carbon monoxide monitor shall be evidenced.
 - b. Documentation of adequacy of compressed air system/respiratory protection system shall be retained on site. Documentation shall include a list of compatible components with the maximum number and type of respirators that may be used with the system.
 - c. The full facepiece, type "C" supplied-air respirator system shall be fully approved by appropriate regulatory agencies. The compressor shall be specifically for breathing air and have alarms to indicate compressor failure, and overheating. Compressor(s) shall have in-line air-purifying sorbent beds and filters to assure breathing air quality (Grade "D" or better for oil lubricated compressors; Grade "H" or better for electric compressors). The air supply system shall have safeguards to allow for sufficient capacity to allow workers to escape if the air system fails. If an oil-lubricated compressor is used, it shall have a high-temperature or carbon monoxide alarm, or both. If only a high-temperature alarm is used, a carbon monoxide converter shall be used.
 - d. The compressor intake shall be designed so as to avoid entry of contaminated air into the system either from the compressor exhaust or other sources of potential contamination. Periodic testing of compressed air shall ensure that systems provide air of sufficient quality.
 - e. A pressure-indicating gauge shall be placed at the point of connection (distribution point) where the respirator supply hose (which is a part of the approved facemask/hose system) is attached to the air filtration system or any supply manifold which is located between the mask/hose apparatus and the compressor/filter system. The pressure gauge shall be capable of measuring pressure levels that are consistent with those specified by the respirator operating specifications.
 - f. The correct pressure level shall be verified at each distribution point each time the system is engaged. The air supply system will be operated only when operating specifications are maintained.

8. **Fit Testing:** Air respirators shall be fit-tested utilizing isoamyl acetate at the beginning of each project or a minimum of every 12 months as described in Appendix C, 29 CFR 1926.58. Either Isoamyl Acetate Protocol or other similar regulatory protocol may be used.

D. **Bilingual Worker protection procedures (Posted in both English and Spanish):** Adequate shower facilities shall be provided by the Contractor. An employee leaving the Work area shall follow all decontamination procedures necessary or as described herein.

1. **Posted Procedures:** Provide and post, in the Equipment Room and the Clean Room, the decontamination and work procedures to be followed by workers and authorized visitors as described in these Specifications.
2. **Entering the Work Area:** Each worker and authorized visitor shall, upon entering the job site: put on a respirator and clean protective clothing before entering the Equipment Room or the Work area. Clothing that is appropriate for weather and temperature conditions shall be worn under the protective clothing.
3. **Personnel Exiting the Work Area:**
 - a. Ensure that personnel do not leave work areas through the equipment decontamination enclosure.
 - b. All workers and authorized visitors shall, each time they leave the Work area; remove gross contamination from clothing before leaving the Work area using a HEPA vacuum; proceed to the Equipment Room and remove all clothing except respirators by carefully rolling down the garment to reduce exposure to dust; clean the outside of the respirator with soap and water while showering; remove the respirator; and thoroughly shampoo and wash themselves
 - c. Following showering and drying off, each Worker shall proceed directly to the clean change room and dress in clean clothes at the end of each day's Work, or before eating, smoking, or drinking. Before re-entering the Work Area from the clean-change room, each Worker and authorized visitor shall put on a clean respirator and shall dress in clean protective clothing.
 - d. Before re-entering the Work area from the Clean Change Room, each worker and authorized visitor shall put on a clean respirator and shall dress in clean protective clothing.
 - e. All workers and authorized visitors shall, at the end of the work day; place disposable clothing in the abatement waste; clean protective gear, including respirators, according to standard procedures; wash hands and face again; proceed to the shower facilities, being certain to wash hair.
 - f. Workers shall not eat, drink, smoke, or chew gum or tobacco while in the Work area.

- g. Workers shall be fully protected with respirators and protective clothing from the time of first disturbance of lead-coated or contaminated materials prior to commencing actual lead abatement and until final cleanup is completed.
4. **Equipment removal procedures:** Clean surfaces of contaminated containers and equipment thoroughly by wet sponging or wiping before moving such items into the equipment decontamination enclosure system washroom or through the shower for final cleaning and removal to uncontaminated areas.
- a. Contaminated work footwear shall be stored in the Equipment Room when not in use in the Work area. Upon completion of lead abatement, dispose of footwear as contaminated waste.
 - b. Workers removing waste containers from the equipment decontamination enclosure shall enter the holding area from outside wearing a respirator and be dressed in clean disposable coveralls. No worker shall use this system as a means to leave or enter the washroom or the Work area.
5. **Safety Issues:**
- a. During the removal operations the Contractor may be placing his workers in a potentially hazardous electrical environment. Care and special consideration should be exercised by the Contractor to avoid electrical shock to his or her employees. The requirements as set forth in the latest edition of the National Electrical Code shall be adhered to at all times. Particular emphasis shall be placed on the requirements listed in Article 210-BRANCH CIRCUITS, Article 225-OUTSIDE BRANCH CIRCUITS AND FEEDERS, Article 250-GROUNDING, Article 300-WIRING METHODS, and Article 305-TEMPORARY WIRING, whenever and wherever the existing electrical power service shall be de-energized and temporary electrical power utilized.
 - b. During summer work activities the Work area environment may be very hot and humid. The Contractor shall take precautions to protect his or her workers from the hostile environment as well as the lead material. First-aid items such as stretchers, water, and cold packs should be kept adjacent to the Work area exits, thus allowing any personnel requiring emergency treatment egress from the Work area with minimum contamination to the clean environment. No worker shall be allowed to reach through the plastic or air lock door to get water or firstaid supplies during break periods inside the Work area. Breaks, lunch or worker rest periods should be held outside the Work area. All decontamination procedures shall be followed prior to exiting the Work area except in extreme emergencies.
 - c. During cold weather periods the workers shall be provided with adequate protection from the environment to not cause harm to the workers.
 - d. If evacuation of the Work area is required by contaminated personnel due to an emergency, all work efforts shall stop, and all forces shall be directed at minimizing the area contamination, cleanup operations and first-aid procedures. These activities shall be noted in the daily logbook.

- e. During work activities requiring decontamination procedures, the Contractor shall provide a means of communication for the workers inside the Work area without requiring personnel to enter or leave the Work area. This method of communications shall be a two-way radio, localized wire-connected telephone, or similar system. This communication system shall remain intact until the final containment plastic is removed. Then all equipment shall be wiped down, HEPA vacuumed or disposed of as lead-contaminated material.

E. Posting of Warning Signs:

1. Post two safety warning signs which follow the "Sample Format Warning Sign" shown below:

Sample Format Warning Sign
Minimum Size - 24" x 36"
Material - Aluminum or Fiberglass
Script:

DANGER
LEAD WORK AREA
MAY DAMAGE FERTILITY OR THE UNBORN CHILD
CAUSES DAMAGE TO THE CENTRAL NERVOUS SYSTEM
DO NOT EAT, DRINK OR SMOKE IN THIS AREA

F. Emergency Precautions and Procedures:

1. Establish emergency and fire exits from the Work Area. Emergency exits shall be equipped with 2 full sets of protective clothing and respirators.
2. Local medical emergency personnel, both ambulance crews and hospital emergency room staff, shall be notified prior to commencement of abatement operations as to the possibility of having to handle contaminated or injured Workers, and shall be advised on safe decontamination.
3. Contractor shall be prepared to administer first aid to injured personnel after decontamination. Seriously injured personnel shall be treated immediately or evacuated without delay for decontamination. When an injury occurs, the Contractor shall stop Work and implement fiber reduction techniques (e.g., water spraying) until the injured person has been removed from the Work Area.
4. Before starting actual removal of lead material(s), local police and fire departments shall be notified as to the danger of entering the Work Area. The Contractor shall make every effort to help these agencies form plans of action should their personnel need to enter the contaminated area.

1.7 SUPERINTENDENT, FOREMAN, CRAFTSMAN:

The Contractor shall have a job superintendent present at all times while work on this Contract is in progress.

The Project Superintendent (Competent person) shall be thoroughly familiar and experienced with lead removal and related work and shall be familiar with and shall enforce the use of all safety procedures and equipment. He or she shall be knowledgeable of all HUD, EPA, OSHA (Federal and State), and NIOSH requirements and guidelines. He or she shall be trained and certified by CDPH in the proper use of all personal protection and safety equipment including, but not limited to, air purification and respiratory systems.

In addition to the Superintendent, the Contractor shall furnish one or more foremen who are familiar and experienced with lead removal and its related work, safety procedures, and equipment. The Foreman shall be the Competent person when the Superintendent is not present.

- A. It shall be a requirement of this Contract that the superintendent and/or one or more of the Contractor's foremen be in the Work area at all times while work is in progress.
- B. It is the intent of these Specifications that all phases of the Work shall be executed by skilled craftsmen experienced or receiving training by experienced personnel in each respective trade.
- C. All superintendents and foremen shall have been trained by attending an appropriate HUD approved Lead-Based Paint Supervisor training course and satisfactorily passing a California State Department of Public Health Services (CDPH) sanctioned examination for the above stated training program. Only formal training programs will be accepted. Current CDPD certification as a lead supervisor is required.
- D. Workers shall, at a minimum, receive the appropriate classroom training program covering the topics listed in the HUD guidelines and the OSHA standard and shall have an additional 8 hours of hands-on training prior to beginning abatement work. Training will be through an appropriate HUD approved Lead-Based Paint work training course. Only formal training programs will be accepted. Current CDPD certification as a lead worker is required
- E. The Competent person on-site must be able to clearly communicate in a manner so that the Owner's Consultant and Owner can clearly understand.

PART 2 - MATERIAL AND EQUIPMENT

2.1 MATERIALS:

- A. **Packaging:** Deliver all materials in the original packages, container, or bundles bearing the name of the manufacturer and the brand name.

- B. **Storage:** Store all materials subject to damage off the ground, away from wet or damp surfaces, and under cover sufficient to prevent damage or contamination. Damaged or deteriorating materials shall not be used and shall be removed from the premises. Material that becomes contaminated with lead shall be disposed of in accordance with the applicable regulations.
- C. **Chemical removers:** Shall not contain methylene chloride. Chemical removers shall be compatible with and not harm the substrate they are applied to. Chemical removers used on masonry surfaces shall contain anti-stain formulation that inhibits the discoloration of stone, granite, brick, and other masonry construction. Chemical removers used on interior surfaces shall not raise or discolor the surface being abated.
- D. **Chemical stripping agent neutralizers:** May be used on exterior surfaces only. Neutralizers shall be compatible with and not harm the substrate to which they are applied. Neutralizers shall be compatible with the stripping agent that has been applied to the surface substrate.
- E. **Plastic:** (Fire retardant polyethylene) Sheet, of 6-mil thickness or greater as specified in sizes to minimize the frequency of joints.
- F. **Tape:** Capable of sealing joints of adjacent sheets of polyethylene and for attachment of polyethylene sheet to finished or unfinished surfaces of dissimilar materials and capable of adhering under both dry and wet conditions. Use tape with tough backing that does not leave residue on the adhering surface.
- G. **Phosphate Wash (TSP Wash):** Shall consist of a solution containing at least one ounce of 5 percent trisodium phosphate (TSP) to each gallon of water.
- H. **Impermeable containers:** Suitable to receive and retain any lead-coated or contaminated materials until disposal at an approved site, labeled in accordance with OSHA Regulation 29 CFR 1910.1025 and DOT 49 CFR 171-177. Containers must be both air and watertight and must be resistant to damage and rupture. Plastic bags shall be a minimum of 6-mil thick.
- I. **Warning labels and signs:** As required by 29 CFR 1926, 29 CFR 1910.245, and Title 8 CCR, Section 1532.1.
- J. **For bridging encapsulant use:**
 - 1. Encapsulant to be specified and approved by Owner's representative
- K. **Encapsulants/primers:**
 - 1. Encapsulant to be specified and approved by Owner's representative
- L. **Surfactants:** Or wetting agent, for amending water will be 50 percent polyoxyethylene ether and 50 percent polyoxyethylene ester, or equivalent, at a concentration of one ounce per 5 gallons of water.

- M. **Other materials:** Provide all other materials, such as lumber, nails, and hardware that may be required to construct and dismantle the decontamination area and the barriers that isolate the Work area.

2.2 **TOOLS AND EQUIPMENT:**

- A. **Tools:** Provide suitable tools for lead-based paint removal.
- B. **Air filtration equipment:** High efficiency particulate air (HEPA) filtration systems shall be equipped with filtration equipment in compliance with ANSI Z9.2-79, local exhaust ventilation or equal. No air movement system or air filtering equipment shall discharge unfiltered air outside the Work area. If volatile chemicals are used, use manufacturer's guidelines and provide appropriate filters for solvent vapor or other organic based material use.

PART 3 - EXECUTION

3.1 **PREPARATION (Interior Areas):**

- A. **Separation of work areas from occupied areas as directed in the Scope of Work:**
1. **Reference:** Contractor will use the applicable procedures as outlined in Section 01010 HM or, if none, use those contained within. Where conflict among requirements (e.g., other concurrent work) or with these Specifications exists, the more stringent requirements shall apply.
 2. **For areas requiring constructed barrier walls:** Separate parts of the building required to remain in use (as shown on Plans) from parts of the building that will undergo lead-containing or lead-based paint removal by means of airtight barriers, constructed as follows:
 - a. Build suitable wood or metal framing and apply 3/8 inch minimum thickness sheathing on work side only, unless noted otherwise.
 - b. Cover both sides of partition with double layer of plastic sheet with joints staggered and sealed with tape. Edges of partition at floor, walls, and ceiling shall be caulked airtight.
 3. **Electrical Shut-down:** Shut down electric power which serves the Work area. Provide temporary power and lighting and ensure safe installation of temporary power sources and equipment per applicable electrical code requirements.
 4. **HVAC Shut-down:** Shut down and isolate heating, cooling, and ventilating air systems to prevent contamination and fiber dispersal to other areas of the structure. Physically blank off, with light gage metal, all supply and return air ductwork which leads to and from an isolated work area when the air-handling unit serves areas other than within the isolated work area.

5. **Seal off openings:** Seal off all openings, including but not limited to windows, corridors, doorways, skylights, ducts, grills, diffusers, and any other penetrations of the Work areas, with plastic sheeting (minimum of 4-mils thick) sealed with tape.

B. Preclean work area:

1. **Moveable Objects:** Clean all moveable objects within the Work area using HEPA vacuum equipment and wet cleaning methods. Remove these objects from the Work area to a designated temporary storage location.

Protection of and accounting for the stored materials is the sole responsibility of the Contractor.

2. **Fixed Objects:** Preclean fixed objects within the proposed work areas, using HEPA vacuum equipment and/or wet cleaning methods as appropriate, and enclose with minimum of 6-mil polyethylene sealed with tape.
3. **Vacuum and Wet Methods:** Preclean the proposed work areas using HEPA vacuum equipment or wet cleaning methods as appropriate. Do not use methods that raise dust, such as dry sweeping or vacuuming with equipment not equipped with HEPA filters.

C. Prepare work area:

1. **Reference:** Contractor will use the applicable procedures as outlined in Section 01010 HM or, if none, use those contained within. Where conflict among requirements (e.g. other concurrent work) or with these Specifications exists, the more stringent requirements shall apply.
2. **Non-Contaminated Objects:** Remove and clean objects, such as lights and other items not previously sealed off, that may interfere with lead removal. Use HEPA vacuum equipment and wet methods during fixture removal to reduce lead dispersal. Wrap in plastic and store for reinstallation upon completion of testing procedures.
3. **Protection of Fixed Objects:** Protect all fixtures, grills, lockers, and other non-removable equipment from water. Also, protect painted surfaces and flooring.
4. **Plasticization:** Cover non-impacted floor, walls and ceiling surfaces with plastic sheeting sealed with tape. Use a minimum of two layers of 6-mil plastic on floors and two layers of 4-mil plastic on walls and ceilings. Cover floors first so that plastic extends at least 12 inches up on walls, then cover walls with plastic sheeting to the floor level, thus overlapping the floor material by a minimum of 12 inches.
 - a. All criticals (doors, vents, openings, wall penetrations, etc.) will be covered with 2 layers of 6-mil plastic and secured with duct tape to prevent leakage of air. If windows, doors, door frames, or other interior/exterior transitional items on which lead-based paint is to be removed, place 2 layers of 6-mil plastic just to the outside of the surface area to be removed. All exterior lead-based paint

removal is to be performed according to Section 9912, Lead-Based Paint Removal (Exterior).

- b. The second layer of floor sheeting may be black or dark in color. If floor coverings are scheduled for removal, per Plans and/or Scope of Work, floor plastic is not placed until after floor coverings are removed, which occurs during Lead Removal activities, paragraph 3.2.
 - c. All joints in the plastic sheeting shall have a minimum of 12 inches of overlap and shall be securely sealed with tape to prevent leakage of air and water.
5. **Emergency Exits:** Maintain emergency and fire exits from the Work areas, or establish alternative exits satisfactory to fire officials.
6. **Establish a reduced pressure in the Work area**
- a. **Determine the Ventilation Requirements:**

- (1) **General:** Provide fully operational negative pressure systems supplying a minimum of one air change every 15 minutes. Determine the volume in cubic feet of the work area by multiplying floor area by ceiling height. Determine total ventilation requirement in cubic feet per minute (cfm) for the work area by dividing this volume by the air change rate.

Ventilation Required (CFM) = Volume of work area (cu. ft.)/15 min.

- (2) **Number of Units:** Determine number of units needed to achieve 15 minute change-rate by dividing the ventilation requirement (CFM) above by capacity of exhaust units(s) used. Capacity of a unit for purposes of this section is the capacity in cubic feet per minute with fully loaded filters (pressure differential which causes loaded filter warning light to come on) in the machines labeled operating characteristics.

$$\text{Number of Units Needed} = \frac{\text{Ventilation Requirement (CFM)}}{\text{Capacity of Unit with Loaded Filters (CFM)}}$$

Add one (1) additional unit as a backup in case of equipment failure or machine shutdown for filter changing.

- (3) **Location of Exhaust Units:** Locate exhaust unit(s) so that makeup air enters work area primarily through decontamination facilities and traverses work area as much as possible. This may be accomplished by positioning the exhaust unit(s) at a maximum distance from the worker access opening or other makeup air sources.

Place end of unit, or its exhaust duct, through an opening in the plastic barrier or wall covering. The plastic around the unit or duct shall then be sealed with tape.

- (4) **Venting or Exhaust:** Unless authorized in writing by the Project Coordinator, vent negative air exhaust to outside of building. Exhaust outlet shall be a minimum of ten feet above ground level.
- (5) **Supplemental makeup air inlets:** Provide where required for proper air flow through the work space in location approved by the Project Coordinator by making openings in the plastic sheeting that allow air from outside the building into the work area.
- (6) **Makeup Air Inlets:** Locate auxiliary makeup air inlets as far as possible from the exhaust unit(s) (e.g., on an opposite wall), off the floor, and away from barriers that separate the work area from occupied clean areas. Cover with flaps to reseal automatically if the negative pressure system should shut down for any reason. Spray flap and around opening with spray adhesive so that flap seals if it closes.

b. Use of the Negative Pressure System:

- (1) **General:** Each unit shall be serviced by a dedicated minimum 115V-20A circuit with overload device tied into an existing building electrical panel that has sufficient spare capacity to accommodate the load of all negative pressure units connected. Dedication of an existing circuit may be accomplished by shutting down existing loads on the circuit.
- (2) **Testing the System:** Test negative pressure system before any lead-containing material is wetted or removed. After the work area has been prepared, the decontamination facility set up, and the exhaust unit(s) installed, start the unit(s) (one at a time). Demonstrate operation and testing of negative pressure system to Project Coordinator.
- (3) **System Evaluation:** A demonstration of the negative pressure system to the Project Coordinator will include, but not be limited to, the following:
 - (a) Plastic barriers and sheeting move slightly in toward work area.
 - (b) Curtain of decontamination units move slightly in toward work area.
 - (c) There is a noticeable movement of air through the decontamination unit. Use smoke tube to demonstrate air movement from Clean Room to Shower Room, from Shower Room to Equipment Room, and from Equipment Room to Work Area.
 - (d) Use smoke tubes to determine a positive motion of air across all area in which work is to be performed.
 - (e) Use a differential pressure meter or manometer to demonstrate a pressure difference of at least 0.02 inches of water across every barrier separation the Work Area from the balance of the building or outside.
 - (f) Modify the negative pressure system as necessary to successfully demonstrate the above.

D. Decontamination Facilities:

1. **General:** Contractor will use the applicable procedures as outlined in Section 01010 HM or, if none, use those contained within. Where conflict among requirements (e.g., other concurrent work) or with these Specifications exists, the more stringent requirements shall apply.
2. **Construction Review:** Build suitable decontamination facilities described herein, as previously submitted for review, before start of construction.
3. **Air Locks and Access Doorways:** In all cases, access between contaminated and uncontaminated rooms or areas shall be through an air lock previously defined. Passage between any two rooms within the decontamination facility shall be through an access doorway.
4. **3-Stage Decontamination Enclosure:** Construct a worker decontamination enclosure system contiguous to the Work area consisting of three totally enclosed chambers to conform to standard Plans bound herein and as follows.
 - a. A shower room with two access doorways, one to the equipment room and one to the clean room. Plastic, if used, on shower room and adjoining equipment and clean rooms shall be opaque.
 - b. The shower room shall contain at least one shower with hot and cold or warm water. Careful attention shall be paid to the shower enclosure to ensure against leaking of any kind.
5. **Remote Decontamination Enclosures:** For remote decontamination systems (non-contiguous to the Work area) construction of the shower will conform to Section 02092 HM, Part 3.1, D1, above with the following modifications:
 - a. The enclosure need not be attached to the Work area, but clean room and equipment rooms must be clearly marked at their respective entrances.
 - b. A HEPA filtration machine must be attached to the equipment room and must be operational while the decontamination unit is in use.
6. **Equipment Decontamination Enclosures:** For an equipment decontamination enclosure facility, construct two totally enclosed chambers as follows:
 - a. A washroom, constituting an air lock, with an access doorway to a designated area of the Work area and an access doorway to the holding area.
 - b. A holding area, constituting an air lock, with an access doorway to the washroom and an access doorway to an uncontaminated area.
7. **Entry/Exit systems:** All decontamination systems or entry/exit system air locks will be constructed using Z-flap design incorporating 2 layers of 6-mil plastic with the flaps extending the full height and width of the entrance space.

E. Maintenance of enclosure system:

1. Ensure that barriers and plastic linings are effectively sealed and taped. Repair damaged barriers and remedy defects immediately upon discovery.
2. Visually inspect enclosures at the beginning of each work period.
3. Use smoke methods to test effectiveness of barriers when directed by Owner or representative of Owner.

F. Lead removal work shall not commence until:

1. Arrangements have been made for disposal of waste at an acceptable site.
2. Work areas and decontamination facility and parts of the building required to remain in use are effectively segregated.
3. Tools, equipment, and material waste receptors are on hand.
4. Arrangements have been made for building security.
5. All other preparatory steps have been taken and applicable notices posted and permits obtained.
6. Removal work will not begin until the Owner's consultant authorizes work to commence, in writing.

3.2 LEAD REMOVAL:

A. General: Prepare site per paragraph 3.1.

B. References: Contractor will use the applicable procedures as outlined in Section 01010 HM or, if none, use those contained within. Where conflict among requirements (e.g. other concurrent work) or with these Specifications exists, the more stringent requirements shall apply.

C. Negative pressure system during abatement Operations:

1. Start exhaust units before beginning work (before any lead-containing material is disturbed). After abatement work has begun, run units continuously to maintain a constant negative pressure until decontamination of the work area is complete. Do not turn off units at the end of the work shift or when abatement operations temporarily stop.
2. Start abatement work at a location farthest from the exhaust units and proceed toward them. If an electric power failure occurs, immediately stop all abatement work and do not resume until power is restored and exhaust units are in operation again.
3. At completion of abatement work, allow exhaust units to run, to remove airborne dust that may have been generated during abatement work and cleanup and to

purge the work area with clean makeup air. The units may be required to run for a longer time after decontamination, if dry or only partially wetted lead material was encountered during any abatement work.

D. Lead-Containing Materials Removal:

1. Ensure that the material is thoroughly soaked with amended water prior to removal.
2. Ensure that the air is misted thoroughly during the removal process.
3. Remove materials intact as much as possible.

E. Containerizing Waste:

1. **Daily Containerizing:** During each day's work, the bulk lead material shall be bagged in 6-mil thick bags, before it dries. No lead material shall be allowed to lie on the floor overnight.
2. **Types of Containers:** Place the bagged material in sealed containers (hard sealable containers).
3. **Labels:** Place caution labels on containers in accordance with OSHA Regulation 29 CFR 1910.1025 and DOT 49 CFR 171-177 if not already preprinted on containers.
4. **Cleaning:** Clean external surfaces of containers thoroughly by wet sponging in the designated area. Move containers to washroom, wet clean each container thoroughly, and move to holding area pending removal to uncontaminated areas. If the holding area is outside containment it will be a locked and secured area with appropriate warning signage at entrance. If holding area is within containment ensure that area is secure and appropriate signage is maintained.
5. **Safety:** Ensure that containers are removed from the holding area by workers who have entered from uncontaminated areas dressed in clean coveralls.

F. Post Removal Cleaning: After completion of stripping work (chemical or abrasive), all surfaces from which lead-based paint or lead containing material has been removed shall be wet brushed and sponged or cleaned by an equivalent method to remove all visible material. During this work, the surfaces being cleaned shall be kept wet. At the Contractor's option, the layer of plastic exposed to the lead may be removed, leaving intact the final layer of plastic.

G. Safety: Ensure that workers do not enter from uncontaminated areas into the washroom or the Work area; ensure that contaminated workers do not exit the Work area through the equipment decontamination enclosure system.

3.3 CLEANUP AND CLEARANCE MONITORING:

Employ the following procedures in cleaning up the Work area:

- A. **Wet Clean:** Wet-clean all surfaces and remove all visible accumulation of lead containing material from the Work area. Prepare the Work area for the initial visual inspection using a sequenced cleaning technique using HEPA vacuuming, a TSP washdown, and a second HEPA vacuuming.
- B. **Initial Visual Inspection:** Once the Work area is clean of visible accumulations of lead material, the Owner's consultant will perform the visual inspection. The Contractor will continue the HEPA vacuuming and washdown process until the area is visible clean.
- C. **Plastic Removal:** When the area is deemed clean by the Owner's consultant, remove plastic from all surfaces
- D. **For surfaces to be stabilized perform the following:**
1. As directed by Owner's Representative, lead painted surfaces shall be sealed with a non-lead containing encapsulating primer after the surface is clean and dry. Apply encapsulant using airless spray equipment or suitable paint applicator where a uniform coat can be applied.
 2. Prepare and apply encapsulating primer according to the manufacturer's specifications. Because application by spraying could cause dissemination of residual LBP, encapsulating primer must be applied with as much caution and at as low a nozzle pressure as possible.
 3. Encapsulating primer shall be applied according to manufacturer's specifications. Encapsulating primer shall be allowed to dry between coats, per manufacturer's recommendations.
 4. Upon completion of paint stabilization work, notify Owner's consultant in writing that stabilization surfaces are ready for review.
- E. **Final Visual Inspection:** Owner's consultant will conduct a thorough visual inspection to determine the completeness of encapsulation and use a damp cloth for wiping abated surfaces prior to collecting the actual wipe samples.
- F. **Clearance Wipe Testing:** Upon successful completion of the visual inspection and Owner's consultant's determination that all surfaces in the Work area are dry and free of contamination, the clearance wipe tests will be conducted. A certificate of Visual Inspection shall be issued by the Owner's Representative and shall be signed by both the contractor and the Owner's Representative.
1. The final wipe clearance test will consist of sampling and analysis in accordance with the HUD guidelines. The levels noted in the HUD Guidelines or Title 17, California Code Of Regulations, Division 1, Chapter 8 (whichever is more stringent at time of work) will be achieved prior to acceptance.
 2. Contractor shall continue cleaning the Work site until the accepted lead level is achieved.
- G. **Additional inspection/testing:** Additional inspection/testing required after the sequence detailed above will be the responsibility of the Contractor. In the event of

additional testing, the Contractor may reimburse Owner, or reduce the Contract amount by change order. It is the Owner's intent to have, at no charge to the Contractor, one set of inspections/tests performed in each area. A test may consist of one sample or a series of samples performed at the same time.

- H. **Dismantling the negative air system:** When a final inspection and the results of final wipe tests indicate that the area has been decontaminated, exhaust units may be removed from the work area. Before removal from the work area, remove and properly dispose of pre-filter, and seal intake to the machine with 6-mil polyethylene to prevent environmental contamination from the filters.

3.4 HANDLING AND DISPOSAL OF LEAD-COATED MATERIALS AND LEAD-CONTAMINATED WASTE:

Waste Characterization: Contractor shall submit to Owner's consultant, copies of waste characterization testing prior to transportation of all waste.

- A. **Storage:** Store all waste material in a lockable container that is inaccessible to all persons other than employee's of the Contractor. Until TCLP testing proves a category to be non-hazardous, all waste shall be considered hazardous, and stored as such. Any material found to be hazardous by way of testing shall be labeled "**Hazardous Waste - Contains Lead**" and the date that the Contractor began to collect the waste in that container. All hazardous and non-hazardous waste shall be kept in totally and completely separate containers.

B. Waste Segregation

1. All categories of waste identified in this specification shall be kept separate from each other. The categories that have been identified include:
 - a. Waste water from shower and cleaning operations
 - b. Disposable suits and respirator cartridges
 - c. Components that are painted with Lead-Based paint
 - d. Components that are lead-laden (e.g., ceramic tile)
 - e. Paint chips, debris and vacuum contents
 - f. Plastic sheeting, duct tape
 - g. Rags, sponges, mops and other items used to conduct clean up activities

- C. **Representative Samples:** Representative material of each of the categories must be sampled and submitted for testing to determine if the material in the category are hazardous.

1. Representative samples of waste materials shall be collected by the Consultant.

D. Waste Testing

1. At no time shall waste be removed from the site without the following documentation submitted to the Owner or Owner's representative for approval.
 - a. TCLP, STLC, and TTLC testing results as required by the specifications or according to local and state requirements.
 - b. Hazardous waste manifest for those materials identified as hazardous wastes.
 2. Testing of those categories of materials shall be performed to minimize the storage of assumed hazardous materials. Contractor shall collect at least one composite sample from each of the categories listed above in section 3.4.B, "Waste Segregation." The analysis shall be conducted to determine if any of the waste categories are classified as a RCRA hazardous waste. The Contractor shall determine if testing for other compounds, such as pH, Flashpoint, etc., are required for disposal at a particular landfill.
 3. If test results of the composite samples for any of the Waste Segregation categories indicate that the sampled materials are found to contain greater than the action levels indicated below, those materials represented by the composite sample shall be disposed of as Hazardous Waste.
 - a. Greater than or equal to 1000 PPM of the total Lead as determined by the Total Threshold Limit Concentration Procedure (TTLC) by EPA 6010.
 - b. Greater than or equal to five (5) PPM of soluble Lead as determined by the "California Wet Test" or Soluble Threshold Limit Concentration Procedure (STLC) by EPA 200.7.
 - c. Greater than or equal to five (5) PPM of leached Lead as determined by the Toxicity Characteristic Leaching Procedure (TCLP) by EPA 200.7
 4. All waste must be transported by a Certified Hazardous Waste Transporter.
 5. If the test results for any of the waste segregation categories indicate that less than the action levels listed above were detected, those materials represented by the composite sample may be disposed of as construction debris provided they do not meet any other criteria that would designate them as a hazardous waste.
 6. The Abatement Contractor will be required to comply with the Resource Conservation and Recovery Act (RCRA) and/or any other applicable state, county law, regulation and/or guidelines, whichever is the most stringent.
- D. Waste Transportation:** Submit the method of transport of hazardous waste including name, address, EPA I.D. number, and telephone number of transporter.
1. If the Abatement Contractor is not a RCRA/DOT/EPA certified Hazardous Waste Transporter, then a contract shall be entered into with a certified Transporter to move the waste. The Abatement Contractor shall require the certified hazardous waste transport firm to follow RCRA, DOT, EPA, and any/all other applicable regulations. Many transporters are also capable of supplying pertinent information and services applicable to necessary rules, regulations, and specifications. The

certified Transporter/hauler shall submit to the Owner or Owner's representative for approval their qualifications to perform the work as specified herein. The Abatement Contractor shall be responsible for the actions of the waste hauler as pertaining to waste removal and disposal under this section and all EPA, DOT, and other applicable regulations.

- E. **Hazardous Waste Site:** Submit for approval the name, class, address, EPA I.D. number, and telephone number of hazardous waste site(s) to be utilized for disposal.
1. The Abatement Contractor must supply documents that detail the site(s) to be used for ultimate waste disposal. Documents from these disposal sites must be supplied by the Abatement Contractor to the **Owner or Owner's representative** from the disposal facilities stating that hazardous and/or construction waste will be accepted by these facilities. In addition, the Abatement Contractor must submit documents from these sites proving that they are licensed/permited to accept such waste and will accept the waste proposed by the Abatement Contractor for treatment or ultimate disposal.
- D. **Containers:** Containers to be loaded for transportation from the Holding Area must be removed by Workers who have entered from uncontaminated areas, dressed in clean overalls. Workers must not enter from the Holding Area into the Washroom or the Work Area.
1. Waste Containers – The Abatement Contractor will comply with EPA and DOT regulations for waste containers. The Abatement Contractor shall contact the State and Local authorities to determine their criteria for containers. In the case of any conflict in regulations, the more stringent regulation shall apply.
 - a. Paint Chips: The Abatement Contractor shall place lead-based paint fragments and debris produced as a result of any abatement activity, and lead dust in 6-mil polyethylene (plastic) bags that are air-tight and puncture-resistant.
 - b. Cleaning Materials: The Abatement Contractor will place all disposable cleaning materials such as sponges, mop heads, filters, disposable clothing, and brooms in six-mil plastic bags or sealable drums. If after testing, those materials are determined to be hazardous, the bags or drums will be sealed, labeled, and considered hazardous waste.
 - c. Contaminated Debris: In Particular, the Abatement Contractor shall separate, label, and containerize the following.
 - (1) All paint fragments removed by chemical strippers, surface preparation, or by any abatement methodology.
 - (2) Grossly contaminated body suits.
 - (3) HEPA vacuum contents, filters, and respirator cartridges: paint chips or other abatement debris on plastic should always be HEPA vacuumed prior to picking up the plastic.
 - (4) Dust/Debris or contaminated materials.

- (5) All hazardous waste or materials should be kept totally separate from non-hazardous materials.
 - (6) Polyethylene Sheeting: Prior to removing any six (6) mil polyethylene sheeting, the Abatement Contractor shall lightly mist the sheeting in order to keep dust down and remove and containerize any debris by folding the polyethylene sheeting inward to contain debris and to form tight bundles to containerize for disposal. The Abatement Contractor shall place all plastic sheeting in six (6) mil thick polyethylene bags or sealable drums, and seal with duct tape.
 - (7) Liquid Waste: The Abatement Contractor shall contain and properly dispose of all liquid waste, including lead-contaminated wash water. The container for waste waters shall be lined 55 gallon metal drums.
 - (8) Solvents: The Abatement Contractor shall place solvent residues and residues from strippers in drums made out of materials that cannot be dissolved or corroded by chemicals. Solvents will be tested by the Abatement Contractor to determine if they are hazardous. Solvents, caustic, and acid waste must be segregated and not stored in the same containers.
2. The Abatement Contractor shall HEPA vacuum the exterior of all waste containers prior to removing the waste containers from the work area and shall wet wipe the containers to ensure that there is no residual contamination. Containers should then be moved out of the work area into the designated storage area.
- F. **Disposal:** The sealed lead containers shall be delivered to Contractor's predesignated approved Hazardous Waste Site for burial; in accordance with Title 22, CAC, EPA guidelines and 40 CFR 61.156 and local Air Pollution Control District Regulations.
 - G. **Notification of Transport:** Notify the Owner's consultant **48 hours in advance** of the time when contaminated materials are to be removed from the site.
 - H. **Safety:** Contractor shall be responsible for safe handling and transportation of hazardous waste generated by this Contract to the designated Hazardous Waste Site.
 - I. **Hazardous Materials Spills:** Contractor shall hold the Owner and Owner's consultant harmless for claims, damages, losses, and expenses, including attorney's fees arising out of or resulting from, lead spills on the site or spills enroute to the disposal site.

3.5 REESTABLISHMENT OF OBJECTS AND SYSTEMS:

- A. **Relocation of Moveable Objects:** Relocate objects moved to temporary locations in the course of the Work to their proper positions. Only clean objects are to be moved into the areas.

- B. **Remounting Objects:** Remount objects removed in the course of the Work in their former positions. Repair any moveable or fixed objects damaged during the course of the Work.
- C. **Systems reestablishment:** Reestablish HVAC, mechanical, and electrical systems in proper working order.
1. Install new HVAC filters and dispose of used filters as contaminated waste.
- D. **Building repair/repaint:** Repair any damage to building, or building systems (electrical, mechanical, plumbing, etc.,) which was not noted in writing prior to work area preparation.
1. Repaint any areas damaged during the course of the Work unless this work is scheduled for repair by others. See paragraph 1.2 C, Related Work Specified Elsewhere, of this section. Quality of paint and workmanship shall be consistent with that found within the building prior to this Project, unless otherwise stated.

END OF SECTION

SECTION 02093 HM

INTERIM CONTROLS REGARDING LOOSE AND FLAKY PAINT (Paint Film Stabilization)

PART 1 - GENERAL

1.1 **SCOPE:**

This Specification covers the implementation of interim controls regarding the removal of loose and flaky lead-based paint from substrates as described in Section 01010 HM, Scope of Work.

1.2 **DESCRIPTION OF WORK:**

- A. The Work specified herein shall be the removal of loose and flaky lead-based paint by persons knowledgeable, qualified, and trained in interim controls for the removal, treatment, handling, and disposal of loose and flaky lead-based paint, and the subsequent cleaning of the affected environment, and who comply with Federal, State, and Local regulations and guidelines which mandate work practices, and who are capable of performing the Work of this Contract.
- B. **Contract Fulfillment:** The Contractor shall supply all labor, materials, equipment, services, insurance, and incidentals which are necessary or required to perform the Work in accordance with applicable governmental regulations and guidelines and these Specifications.

1.3 **TERMINOLOGY:**

See Section 02092 HM, Part 1.3 for Terminology.

1.4 **APPLICABLE DOCUMENTS:**

Comply with Section 02092 HM, Part 1.4 for Applicable Documents.

1.5 **SUBMITTALS AND NOTICES:**

Comply with Section 02092 HM, Part 1.5 for Submittals and Notices.

1.6 **PERSONAL PROTECTION AND SAFETY:**

Comply with Section 02092 HM, Part 1.6. It shall be modified in the following particulars only.

A. Respiratory Protection Requirements:

1. Disposable (single use) respirators are not to be worn for protection against lead.
2. For the following tasks or conditions, a 1/2 mask air-purifying respirator, equipped with high efficiency filters may be used:
 - a. Provided maximum airborne lead concentration outside the respirator at or below 500 $\mu\text{g}/\text{m}^3$:
 - b. Pre-construction sealing of openings and penetrations to the work areas with plastic sheeting.
 - c. Decontamination of removable items.
 - d. During removal of lead-containing materials.
 - e. During all cleanup and wipe down of area.
 - f. During final wipe down of work space.
 - g. Loading lead-containing drums on truck for transportation and unloading bags at approved landfill.
3. A full facepiece, powered air-purifying respirator equipped with HEPA filters will be required under the following conditions:
 - a. At any time that air monitoring levels indicate that lead concentrations are at least 500 $\mu\text{g}/\text{m}^3$ or greater.
4. All employees and visitors will wear appropriate filters for the work at hand. During chemical use, follow manufacturer guidelines for appropriate personal and respiratory protection.

B. Bilingual Worker Protection Procedures (Posted in both English and Spanish):

1. Each worker and authorized visitor shall: put on a respirator and don one suit of protective clothing before entering the Equipment Room or the Work area. Clothing that is appropriate for weather and temperature conditions is worn under the protective clothing.
2. Each time before leaving the work area, all workers and authorized visitors shall remove gross contamination from the protective clothing using a HEPA vacuum, then remove protective clothing except respirators by carefully rolling down the garment to reduce exposure to dust and place within a labeled hazardous material

6-mil plastic bag which is within the work area. Personnel will then proceed through to the washroom and clean the outside of the respirator with a wet disposable towel; remove the respirator; and thoroughly wet wipe themselves

3. Following wet wiping and decontamination procedures, each Worker shall proceed directly to the outside area at the end of each day's Work, or before eating, smoking, or drinking.
4. Before re-entering the Work Area, each Worker and authorized visitor shall put on a clean respirator and shall dress in clean protective clothing as described above.
5. Contaminated work footwear shall be stored in the Equipment Room or Work area in a labeled 6-mil bag when not in use in the Work area until they are appropriately decontaminated. Upon completion of lead work, dispose of footwear as contaminated waste unless they can be appropriately decontaminated. All porous type footwear will be disposed of as contaminated waste.
6. Workers removing waste containers from the equipment decontamination enclosure shall enter the holding area from outside wearing a respirator and dressed in clean disposable coveralls. No worker shall use this system as a means to leave or enter the washroom or the Work area.
7. Workers shall not eat, drink, smoke, or chew gum or tobacco while in the Work area.
8. Workers shall be fully protected with respirators and protective clothing from the time of first disturbance of lead-coated or contaminated materials prior to commencing actual lead abatement and until final cleanup is completed.

1.7 SUPERINTENDENT, FOREMAN, CRAFTSMAN:

Comply with Section 02092 HM, Part 1.7, Superintendent, Foreman, Craftsman.

PART 2 - MATERIAL AND EQUIPMENT

Comply with Section 02092 HM, Part 2.

PART 3 - EXECUTION

3.1 PREPARATION:

A. For exterior work, the contractor shall prepare the area as follows:

1. Doors and Windows: Doors and windows on the side of the building upon which a dust-generating method is being used, and on the same floor and all floors below, must be covered with 6-mil thick polyethylene sheeting.

2. Plants and ground: The ground and any plants or shrubs in the area in which exterior abatement is occurring shall be covered with two layers of 6-mil plastic in a tarp-like fashion, sufficiently bonded together to form a single layer and weighted at all edges so as to prevent blowing. A single 10-mil plastic sheet may be substituted. Such covering shall cover from the side of the structure to a point at least eight feet away from the structure for every story in height (10'). The covering shall be taped or otherwise attached to the structure.
 3. Ground covers shall always be placed in a manner that traps all debris and water. This is best accomplished by elevating the edges.
 4. The plastic ground cover shall be properly disposed of and not re-used.
- B. For exterior work where water blasting occurs, the contractor shall prepare the area as follows:
1. Critical Barriers shall be erected whereby all water and loose paint shall be contained within the Work Area.
 2. Ground: The ground shall be covered with 10-mil or 6-mil reinforced polyethylene and shall extend 18 inches vertically at all perimeter walls.
 3. Vertical Surfaces: A single layer of 6-mil polyethylene shall be constructed as a critical barrier on all vertical walls and shall overlap 12 inches on top of ground poly.
 4. Contractor shall contain all water within the enclosure. Contractor shall construct containment as to prevent water leakage from containment or into buildings.
 5. All containment plastic shall be properly disposed of and not re-used.
 6. All water within the containment shall be filtered with a HEPA filtration device.
- C. For all exterior work:
1. **Special Areas:** Any abatement project being performed on any structure other than a building shall be arranged, equipped, and operated in a manner that will eliminate the possibility of lead contaminates or lead contaminated materials escaping from the work area.
 2. **Maintain Barriers:** The abatement subcontractor shall maintain polyethylene barriers and a clean area as long as needed for the safe and proper completion of the work. Any openings or tears in the work area barriers shall be corrected by the abatement subcontractor at the beginning of each work day and as necessary during the workday with such openings and barriers in place and acceptable to the owner's consultant.
 3. **Prior to barrier removal:** Barriers shall not be removed until the work areas are thoroughly cleaned, and the area is approved by the consultant. All debris must be bagged and removed from work areas, and the lead surface wipe samples must

have passed final clearance test, in accordance with provisions detailed in the barrier removal.

4. **Use of mini-isolation chamber:** At the Owner's, and consultant approval, the Abatement Subcontractor may utilize a portable mini-isolation chamber to create an isolated work area around single components to be removed. This chamber shall still be equipped with an adjacent clean room, and become an isolated work area sealed at all seams to where it is attached to adjacent surfaces. It shall also satisfy all requirements for a work area and satisfy all clearance criteria, as identified in this section and local law.
5. **Signs:** Prior to the preparation of the dwelling for abatement, the abatement subcontractor shall place warning signs immediately outside all entrances and exits to the dwelling, warning that abatement work is being conducted in the vicinity. The signs shall be at least 20" x 14" and read

DANGER
LEAD WORK AREA
MAY DAMAGE FERTILITY OR THE UNBORN CHILD
CAUSES DAMAGE TO THE CENTRAL NERVOUS SYSTEM
DO NOT EAT, DRINK OR SMOKE IN THIS AREA

6. Signs shall be in bold lettering with lettering not smaller than two inches tall.
 7. Construct and maintain suitable polyethylene barriers within the building to isolate the exterior work area from the interior of the building. Make every effort to maintain a distance of 25 feet from the barrier tape to the closet scheduled point of work within the Work area(s).
 8. Maintain emergency and fire exits from Work Areas.
- D. For interior work, the contractor shall prepare the area as follows:
1. **HVAC shut down:** Shut down or isolate heating, cooling, ventilation air systems within the control area to prevent contamination and dust dispersal to other areas of the structure. During the Work, vents within the immediate removal area (to a distance of ten feet from the affected surface) shall be sealed with tape and plastic sheeting and as shown on plans.
 2. **Loose equipment:** Do not begin Work until immediate work area is free of loose equipment.
 3. **Pre-clean:** Pre-clean fixed objects within the proposed Work Areas using HEPA filtered vacuum equipment and/or protect occupants' belongings by covering with one layer of six mil polyethylene and have joints taped. All debris gathered during this clean up shall be disposed of properly. In addition, any loose paint or paint bearing debris found in the buildings are to be assumed hazardous and packaged

and disposed of properly. The amount of the materials should be estimated during the pre-bid walk through.

4. **Use of a mini-containment:** At the Owner's and consultant's approval, the Abatement Subcontractor may utilize a portable mini-isolation chamber to create an isolated work area around single components to be removed. This chamber shall still be equipped with an adjacent clean room, and become an isolated work area sealed at all seams to where it is attached to adjacent surfaces. It shall also satisfy all requirements for a work area and satisfy all clearance criteria, as identified in this section and local law.
5. **Walls and floors:** Lay a single layer of six-mil thick polyethylene sheeting below the impacted area. Sheeting will extend to a distance of six feet beyond the affected area in all direction not bounded by walls or non-moveable partitions. Walls directly below the affected surface will be covered with six-mil thick polyethylene sheeting to extend 4 feet in either direction beyond the affected area.
6. **Surrounding barrier:** A barrier shall be erected at room entrances, which shall be sealed with a single layer of six-mil thick polyethylene sheeting, and a suitable two-stage decontamination unit shall be erected and attached to barrier sheeting.
7. **Maintaining barriers:** The abatement subcontractor shall maintain polyethylene barriers and a clean area as long as needed for the safe and proper completion of the work. Any openings or tears in the work area barriers shall be corrected by the abatement subcontractor at the beginning of each work day and as necessary during the workday with such openings and barriers in place and acceptable to the consultant.
8. **Removal of barriers:** Barriers shall not be removed until the work areas are thoroughly cleaned, and the area approved by the consultant. All debris must be bagged and removed from work areas, and the lead surface wipe samples must have passed final clearance test according to provisions detailed in the barrier removal.
9. **Signs:** Prior to the preparation of the dwelling for abatement, the abatement subcontractor shall place warning signs immediately outside all entrances and exits to the dwelling, warning that abatement work is being conducted in the vicinity. The signs shall be at least 20" x 14" and read:

DANGER
LEAD WORK AREA
MAY DAMAGE FERTILITY OR THE UNBORN CHILD
CAUSES DAMAGE TO THE CENTRAL NERVOUS SYSTEM
DO NOT EAT, DRINK OR SMOKE IN THIS AREA

10. Signs shall be in bold lettering with lettering not smaller than two inches tall.
11. Maintain emergency and fire exits from Work Areas.

12. Construct and maintain suitable polyethylene barriers within the building to isolate the exterior work area from the interior of the building. Make every effort to maintain a distance of 10 feet from the barrier tape to the closet scheduled point of work within the Work area.

13. Maintain emergency and fire exits from Work Areas.

E. Decontamination Facilities:

Build suitable decontamination facilities described herein, as previously submitted for review, before start of construction.

In all cases, access between contaminated and uncontaminated rooms or areas shall be through an air lock previously defined. Passage between any two rooms within the decontamination facility shall be through an access doorway.

1. Locate decontamination facility as close in proximity to the Work area as possible.
2. Construct a two-stage worker decontamination enclosure system consisting of two totally separate areas to conform to standard Plans found herein and as follows.
 - a. A shower area with two access ways: one to the equipment room and one to the outside area. Plastic, if used, on shower room and adjoining equipment rooms shall be opaque.
 - b. The shower area shall contain at least one room with water for wet wiping of hands and face. Careful attention shall be paid to the shower enclosure to ensure against leaking of any kind.
3. If needed, provide or construct an equipment decontamination area consisting of two totally separate areas as follows:
 - a. A washroom, with access to a designated area of the Work area and access to the holding area.
 - b. A holding area with access to the washroom and access to an uncontaminated area.
4. At entrances and exits and the decontamination facility name of both the shower and equipment decontamination room, a clearly identifiable label shall be affixed that is visible from a distance of 25 feet.

3.2 INTERIM CONTROL METHODS FOR LOOSE AND FLAKY LBP:

- A. Prepare site per paragraph 3.1.
- B. Remove and clean or clean and wrap objects, such as lights and other items not previously sealed off that may interfere with lead removal. Use HEPA vacuum equipment and wet methods during fixture removal to reduce lead dispersal. Wrap removed items in plastic and store for reinstallation upon completion of testing procedures.

C. **Protection:** Protect all fixtures, grills, lockers, and other non-removable equipment from water. Also, protect painted surfaces and flooring.

D. **Scrapping of loose and flaky paint:**

1. All surfaces shall be final scrapped following other flaky paint removal methods.
2. The Contractor shall scrape the material in such a manner as to prevent damage to the substrate.
3. The Contractor shall use wet methods during the scrapping process, unless the substrate will result in undo damage from the wetting. If wetting cannot be performed to this condition, scrapping shall be slow and deliberate so as to lessen the distance of travel. In all cases, occasional misting of the immediate area over the drop cloth shall be performed. After scrapping the impacted area, the area shall be thoroughly HEPA vacuumed.
4. Sufficient scrapping of loose and flaky paint for application of lead-bloc or other encapsulation method shall occur when a scrapping blade is drawn across the remaining painted surface with heaviness of hand and no additional paint dislodges from the substrate. Sufficient scrapping is at the discretion of the consultant and/or inspector.

E. **Paint Stabilization:** Perform paint stabilization process according to Section 2092, Part 3.3.D.

3.3 CLEANUP AND CLEARANCE MONITORING:

Comply with Section 02092 HM, Part 3.3, for Cleanup and Clearance Monitoring.

3.4 DISPOSAL OF LEAD-COATED MATERIALS AND LEAD-CONTAMINATED WASTE:

Comply with Section 02092 HM, Part 3.4, for Disposal of Lead-Coated Materials and Lead-Contaminated Waste.

3.5 REESTABLISHMENT OF OBJECTS AND SYSTEMS:

Comply with Section 02092 HM, Part 3.5 for Reestablishment of Objects and Systems.

END OF SECTION

SECTION 02095 HM

LEAD-BASED PAINT REMOVAL (Chemical and Component)

PART 1 - GENERAL

1.1 **SCOPE:**

This Specification covers the abatement of materials coated with lead-based paint as described in Section 01010 HM, Scope of Work.

1.2 **DESCRIPTION OF WORK:**

- A. **The Work:** The Work specified herein shall be the removal of those materials coated with lead-based paint by persons knowledgeable, qualified, and trained in the removal, treatment, handling, and disposal of lead-based paint, and the subsequent cleaning of the affected environment, and who comply with Federal and State and Local regulations and guidelines which mandate work practices, and who are capable of performing the Work of this Contract.
- B. **Contract Fulfillment:** The Contractor shall supply all labor, materials, equipment, services, insurance, and incidentals which are necessary or required to perform the Work in accordance with applicable governmental regulations and guidelines and these Specifications.

1.3 **TERMINOLOGY:**

See Section 02092 HM, Part 1.3, for Terminology.

1.4 **APPLICABLE DOCUMENTS:**

Comply with Section 02092 HM, Part 1.4, for Applicable Documents.

1.5 **SUBMITTALS AND NOTICES:**

Comply with Section 02092 HM, Part 1.5, for Submittals and Notices.

1.6 **PERSONAL PROTECTION AND SAFETY:**

Comply with Section 02092 HM, Part 1.6. It shall be modified in the following particulars only.

A. **Respiratory protection requirements:**

1. Disposable (single use) respirators are not to be worn for protection against lead.

2. For the followings tasks or conditions a 1/2 mask air-purifying respirators equipped with high efficiency filters may be used:
 - a. Provided maximum airborne lead concentration outside the respirator is at or below 500 $\mu\text{g}/\text{m}^3$:
 - b. During component removal were LBP dust is not generated.
 - c. During chemical removal. Suitable air-filter cartridges for use with chemicals must be employed.
 - d. Pre-construction sealing of openings and penetrations to the work areas with plastic sheeting.
 - e. Decontamination of removable items.
 - f. During removal of lead-containing materials.
 - g. During all cleanup and wipe down of area.
 - h. During final wipe down of work space
 - i. Loading lead-containing drums onto truck for transportation and unloading bags at approved landfill.
3. A full facepiece, powered air-purifying respirator equipped with HEPA filters will be required under the following conditions:
 - a. At any time that air monitoring levels indicate that lead concentrations are at least 500 $\mu\text{g}/\text{m}^3$ or greater.
 - b. Any situation where gross contamination has occurred, air sampling indicates airborne lead levels have exceeded 500 $\mu\text{g}/\text{m}^3$.
4. All Employees and visitors will wear appropriate filters for the work at hand. If chemicals are used, follow manufacturer guidelines for appropriate personal and respiratory protection.

B. Bilingual Worker protection procedures for chemical removal(Posted in both English and Spanish):

1. Each worker and authorized visitor shall, upon entering the job site: put on a respirator and don two suits of protective clothing before entering the Equipment Room or the Work area. Clothing that is appropriate for weather and temperature conditions is worn under the protective clothing.
2. Each time before leaving the work area, all workers and authorized visitors shall remove gross contamination from the protective clothing using a HEPA vacuum, then remove the top protective suit and place within a labeled hazardous material 6-mil plastic bag which is within the work area. Personnel will then proceed to the Equipment Room and remove remaining protective clothing except respirators by

carefully rolling down the garment to reduce exposure to dust. Personnel will then proceed through to the washroom and clean the outside of the respirator with a wet disposable towel; remove the respirator; and thoroughly wet wipe themselves

3. Following wet wiping and drying off, each Worker shall proceed directly to the outside area at the end of each day's Work, or before eating, smoking, or drinking.
4. Before re-entering the Work Area each Worker and authorized visitor shall put on a clean respirator and shall dress in clean protective clothing as described above.
5. Contaminated work footwear shall be stored in the Equipment Room or Work area in a labeled 6-mil bag when not in use in the Work area, until they are appropriately decontaminated. Upon completion of lead abatement, dispose of footwear as contaminated waste unless they can be appropriately decontaminated. All porous type footwear will be disposed of as contaminated waste.
6. Workers removing waste containers from the equipment decontamination enclosure shall enter the holding area from outside wearing a respirator and dressed in clean disposable coveralls. No worker shall use this system as a means to leave or enter the washroom or the Work area.
7. Workers shall not eat, drink, smoke, or chew gum or tobacco while in the Work area.
8. Workers shall be fully protected with respirators and protective clothing from the time of first disturbance of lead-coated or contaminated materials prior to commencing actual lead abatement and until final cleanup is completed.

C. Bilingual Worker protection procedures for component removal(Posted in both English and Spanish):

1. Each worker and authorized visitor shall, upon entering the job site: put on a respirator and don one suit of protective clothing before entering the Equipment Room or the Work area. Clothing that is appropriate for weather and temperature conditions is worn under the protective clothing.
2. Each time before leaving the work area, all workers and authorized visitors shall remove gross contamination from the protective clothing using a HEPA vacuum, then remove protective clothing except respirators by carefully rolling down the garment to reduce exposure to dust and place within a labeled hazardous material 6-mil plastic bag which is within the work area. Personnel will then proceed through to the washroom and clean the outside of the respirator with a wet disposable towel; remove the respirator; and thoroughly wet wipe themselves
3. Following wet wiping, each Worker shall proceed directly to the outside area at the end of each day's Work, or before eating, smoking, or drinking.
4. Before re-entering the Work Area each Worker and authorized visitor shall put on a clean respirator and shall dress in clean protective clothing as described above.

5. Contaminated work footwear shall be stored in the Equipment Room or Work area in a labeled 6-mil bag when not in use in the Work area, until they are appropriately decontaminated. Upon completion of lead work, dispose of footwear as contaminated waste unless they can be appropriately decontaminated. All porous type footwear will be disposed of as contaminated waste.
6. Workers removing waste containers from the equipment decontamination enclosure shall enter the holding area from outside wearing a respirator and dressed in clean disposable coveralls. No worker shall use this system as a means to leave or enter the washroom or the Work area.
7. Workers shall not eat, drink, smoke, or chew gum or tobacco while in the Work area.
8. Workers shall be fully protected with respirators and protective clothing from the time of first disturbance of lead-coated or contaminated materials prior to commencing actual lead abatement and until final cleanup is completed.

1.7 SUPERINTENDENT, FOREMAN, CRAFTSMAN:

Comply with Section 02092 HM, Part 1.7, Superintendent, Foreman, Craftsman.

PART 2 - MATERIAL AND EQUIPMENT

Comply with Section 02092 HM, Part 2. It shall be modified in the following particulars only.

2.1 MATERIALS:

- A. **Chemical removers:** Shall not contain methylene chloride. Chemical removers shall be compatible with and not harm the substrate they are applied to. Chemical removers used on masonry surfaces shall contain anti-stain formulation that inhibits the discoloration of stone, granite, brick, and other masonry construction. Chemical removers used on interior surfaces shall not raise or discolor the surface being abated. Chemical removers requiring neutralizers shall not be used on interior surfaces.
- B. **Chemical stripping agent neutralizers:** May be used on exterior surfaces only. Neutralizers shall be compatible with and not harm the substrate to which they are applied. Neutralizers shall be compatible with the stripping agent that has been applied to the surface substrate.

PART 3 - EXECUTION

3.1 PREPARATION:

A. For exterior work, the abatement contractor shall prepare the area as follows:

1. **Doors and Windows:** Doors and windows on the side of the building upon which a dust-generating method is being used, and on the same floor and all floors below, must be covered with 6-mil thick polyethylene sheeting.
2. **Plants and ground:** The ground and any plants or shrubs in the area in which exterior abatement is occurring shall be covered with two layers of 6-mil plastic in a tarp-like fashion, sufficiently bonded together to form a single layer, and weighted at all edges so as to prevent blowing. A single 12-mil plastic sheet may be substituted. Such covering shall cover from the side of the structure to a point at least eight feet away from the structure for every story in height (10'). The covering shall be taped or otherwise attached to the structure.
3. Ground covers shall always be placed in manner that traps all debris and water. This is best accomplished by elevating the edges.
4. The plastic ground cover shall be properly disposed of and not re-used.
5. **Special Areas:** Any abatement project being performed on any structure other than a building shall be arranged, equipped, and operated in a manner which will eliminated the possibility of lead contaminates or lead contaminated materials escaping from the work.
6. **Maintain Barriers:** The abatement subcontractor shall maintain polyethylene barriers and a clean area as long as needed for the safe and proper completion of the work. Any openings or tears in the work area barriers shall be corrected by the abatement subcontractor at the beginning of each work day and as necessary during the workday with such openings and barriers in place and acceptable to the owner's consultant.
7. **Prior to barrier removal:** Barriers shall not be removed until the work areas are thoroughly cleaned and the area approved by the consultant. All debris must be bagged and removed from work areas, and the lead surface wipe samples must have passed final clearance test, in accordance with provisions detailed in the barrier removal.
8. **Use of mini-isolation chamber:** At the Owner's and consultant's approval, the Abatement Subcontractor may utilize a portable mini-isolation chamber to create an isolated work area around single components to be removed. This chamber shall still be equipped with an adjacent clean room, and become an isolated work area sealed at all seams to where it is attached to adjacent surfaces. It shall also satisfy all requirements for a work area and satisfy all clearance criteria, as identified in this section and local law.

9. **Signs:** Prior to the preparation of the dwelling for abatement, the abatement subcontractor shall place warning signs immediately outside all entrances and exits to the dwelling, warning that abatement work is being conducted in the vicinity. The signs shall be at least 20" x 14" and read

DANGER
LEAD WORK AREA
MAY DAMAGE FERTILITY OR THE UNBORN CHILD
CAUSES DAMAGE TO THE CENTRAL NERVOUS SYSTEM
DO NOT EAT, DRINK OR SMOKE IN THIS AREA

10. Signs shall be in bold lettering with lettering not smaller than two inches tall.
11. Construct and maintain suitable polyethylene barriers within the building to isolate the exterior work area from the interior of the building. Make every effort to maintain a distance of 25 feet from the barrier tape to the closet scheduled point of work within the Work area.
12. Maintain emergency and fire exits from Work Areas.
- B. For interior work, the abatement contractor shall prepare the area as follows:
1. **HVAC shut down:** Shut down or isolate heating, cooling, ventilation air systems within the control area to prevent contamination and dust dispersal to other areas of the structure. During the Work, vents within the immediate removal area (to a distance of ten feet from the affected surface) shall be sealed with tape and plastic sheeting and as shown on plans.
 2. **Loose equipment:** Do not begin Work until immediate work area is free of loose equipment.
 3. **Pre-clean:** Pre-clean fixed objects within the proposed Work Areas, using HEPA filtered vacuum equipment and/or protect occupants' belongings by covering with one layer of six mil polyethylene and have joints taped. All debris gathered during this clean up shall be disposed of properly. In addition, any loose paint or paint bearing debris found in the buildings are to be assumed hazardous and packaged and disposed of properly. The amount of the materials should be estimated during the pre-bid walk through.
 4. **Use of a mini-containment:** At the Owner's and consultant's approval, the Abatement Subcontractor may utilize a portable mini-isolation chamber to create an isolated work area around single components to be removed. This chamber shall still be equipped with an adjacent clean room, and become an isolated work area sealed at all seams to where it is attached to adjacent surfaces. It shall also satisfy all requirements for a work area and satisfy all clearance criteria, as identified in this section and local law.
 5. **Walls and floors:** Lay a single layer of six-mil thick polyethylene sheeting below impacted area. Sheeting will extend to a distance of six feet beyond the affected

area in all directions not bounded by walls or non-moveable partitions. Walls directly below the affected surface will be covered with six-mil thick polyethylene sheeting to extend 4 feet in either direction beyond the affected area.

6. **Surrounding barrier:** A barrier shall be erected at room entrances, which shall be sealed with a single layer of six-mil thick polyethylene sheeting and a suitable 2 stage decontamination unit, shall be erected and attached to barrier sheeting.
7. **Maintaining barriers:** The abatement subcontractor shall maintain polyethylene barriers and a clean area as long as needed for the safe and proper completion of the work. Any openings or tears in the work area barriers shall be corrected by the abatement subcontractor at the beginning of each work day and as necessary during the workday with such openings and barriers in place and acceptable to the consultant.
8. **Removal of barriers:** Barriers shall not be removed until the work areas are thoroughly cleaned, and the area approved by the consultant. All debris must be bagged and removed from work areas, and the lead surface wipe samples must have passed final clearance test, in accordance with provisions detailed in the barrier removal.
9. **Signs:** Prior to the preparation of the dwelling for abatement, the abatement subcontractor shall place warning signs immediately outside all entrances and exits to the dwelling, warning that abatement work is being conducted in the vicinity. The signs shall be at least 20" x 14" and read:

DANGER

LEAD WORK AREA

MAY DAMAGE FERTILITY OR THE UNBORN CHILD

CAUSES DAMAGE TO THE CENTRAL NERVOUS SYSTEM

DO NOT EAT, DRINK OR SMOKE IN THIS AREA

10. Signs shall be in bold lettering with lettering not smaller than two inches tall.
11. Maintain emergency and fire exits from Work Areas.
12. Construct and maintain suitable polyethylene barriers within the building to isolate the exterior work area from the interior of the building. Make every effort to maintain a distance of 10 feet from the barrier tape to the closet scheduled point of work within the Work area.
13. Maintain emergency and fire exits from Work Areas.

C. Decontamination Facilities:

Build suitable decontamination facilities described herein, as previously submitted for review, before start of construction.

In all cases, access between contaminated and uncontaminated rooms or areas shall be through an air lock previously defined. Passage between any two rooms within the decontamination facility shall be through an access doorway.

1. Locate decontamination facility as close in proximity to the Work area as possible.
2. Construct a two-stage worker decontamination enclosure system consisting of three totally separate areas to conform to standard Plans bound herein and as follows.
 - a. A shower area with two access ways, one to the equipment room and one to the outside area. Plastic, if used, on shower room and adjoining equipment rooms shall be opaque.
 - b. The shower area shall contain at least one room with water for wet wiping of hands and face. Careful attention shall be paid to the shower enclosure to ensure against leaking of any kind.
3. If needed, provide or construct an equipment decontamination area consisting of two totally separate areas as follows:
 - a. A washroom, with access to a designated area of the Work area and access to the holding area.
 - b. A holding area with access to the washroom and access to an uncontaminated area.
4. The entrances and exits and the decontamination facility name of both the shower and equipment decontamination room will be appropriately labeled and identifiable from a distance of 25 feet.

3.2 LEAD REMOVAL:

- A. Prepare site per paragraph 3.1.
- B. Remove and clean or clean and wrap objects, such as lights and other items not previously sealed off that may interfere with lead removal. Use HEPA vacuum equipment and wet methods during fixture removal to reduce lead dispersal. Wrap removed items in plastic and store for reinstallation upon completion of testing procedures.
- C. Protect all fixtures, grills, lockers and other non-removable equipment from water. Also, protect painted surfaces and flooring.
- D. **Lead-Based Paint Removal (component):**
 1. Care must be taken so that leaded materials are neither burned, nor dusted, nor result in further exposure to workers, residents, children, or observers.

2. Care shall be taken to avoid damage to adjacent areas during the removal of components to be replaced. The Abatement Subcontractor shall run a utility knife around the edge (score) of the abatement substrate and the adjacent (non-abated) substrate to cut any bonding between the substrates and thereby eliminate damage.
3. If components to be removed contain gross areas of loose or peeling paint, these areas shall be wet scrapped or HEPA vacuumed prior to removal. The paint chips shall be contained either in the HEPA vacuum or in a separate 6-mil polyethylene bag. Temporary encapsulants used expressly for this purpose are also acceptable.
4. Components that are removed for replacement shall be temporarily wrapped for transport to the dumpster. Care shall be taken when transporting leaded components from the work area to the dumpster. All leaded components shall be sealed in airtight containers from transport to the dumpsite. Once the materials have been transferred, it shall be removed from the container and placed in the lined dumpster.
5. A pry device shall be utilized to carefully remove exterior materials. Remove each component and carefully lower to the ground. Care shall be taken to preserve the integrity of the structural elements of the materials. Continuously control dust utilizing an airless spray or apply a light application of water. Containerization shall be accomplished by removing or flattening all nails to prevent punctures or tearing.

E. Lead-Based Paint Removal (Chemically):

1. Use only chemical removers and neutralizers as outlined in Part 2.1.A & B above.
2. Protect all surrounding non-removal surfaces from chemical exposure.
3. Ensure that the chemical is applied and removed in strict accordance with manufacture instructions.
4. Ensure that damaging of the substrate material is prevented while chemical is being removed from the surface. If damage occurs, contractor will prep the material accordingly for a smooth pre-finishing surface.
5. Ensure that any chemical that falls or loses contact with the removal surface is immediately wiped up.
6. Place all hazardous waste immediately upon removal in appropriate containers per manufacturers and regulatory guidelines.

3.3 CLEANUP AND CLEARANCE MONITORING:

Comply with Section 02092 HM, Part 3.3, for Cleanup and Clearance Monitoring.

3.4 DISPOSAL OF LEAD-COATED MATERIALS AND LEAD-CONTAMINATED WASTE:

Comply with Section 02092 HM, Part 3.4, for Disposal of Lead-Coated Materials and Lead-Contaminated Waste.

3.5 REESTABLISHMENT OF OBJECTS AND SYSTEMS:

Comply with Section 02092 HM, Part 3.5, for Reestablishment of Objects and Systems.

END OF SECTION

**APPENDIX A – LIMITED ASBESTOS INSPECTION REPORT
DATED – APRIL 13, 2023**



Industrial Hygiene • Air Quality • Lead & Asbestos • Training • Health & Safety

LIMITED ASBESTOS INSPECTION REPORT

Conducted at:

PADDISON ELEMENTARY SCHOOL
EXTERIOR PAINTING AND MINOR REPAIR PROJECT
12100 CREWE STREET
NORWALK, CALIFORNIA 90650

Prepared for:


MR. BRENT GRIFFEN
DIRECTOR OF MAINTENANCE AND OPERATIONS AND CUSTODIAL SERVICES
LITTLE LAKE CITY SCHOOL DISTRICT
10515 SOUTH PIONEER BOULEVARD
SANTA FE SPRINGS, CALIFORNIA 90670

Prepared by:

EXECUTIVE ENVIRONMENTAL
310 EAST FOOTHILL BOULEVARD, SUITE 200
ARCADIA, CALIFORNIA 91006

Project Number EE 23-Z0187-0061
April 13, 2023

Report assembled by:


Yesenia G. Galeana
Technical Report Writer
Executive Environmental

Report generated/reviewed by:

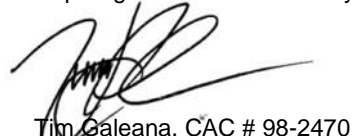

Tim Galeana, CAC # 98-2470
Senior Project Manager
Executive Environmental

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LIMITED ASBESTOS INSPECTION REPORT

Project Number: EE 23-Z0187-0061

Client: Little Lake City School District
10515 South Pioneer Boulevard
Santa Fe Springs, California 90670

Site Location: Paddison Elementary School
Exterior Painting and Minor Repair Project
12100 Crewe Street
Norwalk, California 90650

Site Use: School Property

Contact Person: Mr. Brent Griffen
Director of M&O and Custodial Services
Phone: (562) 868-8241

Inspection Date Between: March 27 thru 29, 2023

Inspected By: Mr. Rhys Kuzmic
Certified Asbestos Consultant, # 09-4586

Report Assembled By: Ms. Yesenia G. Galeana
Technical Report Writer

Report Generated/Reviewed By: Mr. Tim Galeana
Certified Asbestos Consultant, # 98-2470

I. EXECUTIVE SUMMARY

Executive Environmental (EE) provided the services of a Certified Asbestos Consultant (Rhys Kuzmic, No. 09-4586) to conduct a limited asbestos inspection of the permanent buildings, portables and covered walkway at Paddison Elementary School, located at 12100 Crewe Street, Norwalk, California 90650. The inspection was conducted as a precursor to the upcoming exterior Painting and Minor Repair Project. Asbestos-Containing Materials (ACM's) were identified during this inspection. *This is considered a limited inspection. The inspection was limited to materials anticipated to be impacted by the Exterior Painting and Minor Repair Project, as directed by the client.*

II. SAMPLING METHODOLOGY

A visual inspection of the permanent buildings, portables and covered walkways was conducted prior to the collection of any bulk samples. The visual inspection was conducted to identify and record the location and condition of the materials to be sampled. Following the visual inspection, bulk material samples of the identified suspect asbestos-containing building materials were collected. The materials were categorized

into homogeneous groupings, and each sample was assigned a unique sample number and placed into a sealed container.

Upon completion of the bulk sample collection, a chain of custody was prepared and the samples were delivered to the laboratory for analysis. AmeriSci of Carson, CA, analyzed the samples using Polarized Light Microscopy (PLM). AmeriSci is an accredited participant in the National Voluntary Laboratory Accreditation Program (NVLAP), No. 200346-0. The principles described in the current Environmental Protection Agency (EPA) 600 method were used in the preparation and analysis of the bulk samples.

III. SAMPLE ANALYSIS

One hundred and sixty-one (161) suspect asbestos-containing material samples were collected during this inspection. The laboratory analysis results are listed in the following table. Materials determined not to contain asbestos are listed as "No Asbestos Detected" (NAD).

Any material found to contain more than 1% of a known asbestos substance is considered an asbestos-containing material (ACM). Materials falling within this category are controlled and must be handled in accordance with the California Occupational Safety & Health Administration (Cal/OSHA), EPA, and South Coast Air Quality Management District (SCAQMD) regulations.

In addition, materials which are characterized as non-ACM by EPA or other local regulatory agencies may fall within the regulatory standards of Cal/OSHA, which further regulates any materials found to contain more than 1/10 of 1%, but 1% or less, of a known asbestos substance as asbestos-containing construction materials (ACCMs). Impacting or handling ACCMs requires special employer registration, documentation, training, and personal protective equipment. When a material is to be impacted, the National Emission Standards for Hazardous Air Pollutants (NESHAPs) regulations require further testing for materials that fall within this category.

The PLM analytical protocol requires each layer of the sample to be analyzed separately. The quantity of analyses will vary based on the number of layers in a sample and whether a "positive stop" is employed. When one sample of a homogeneous area is positive, the remainder of the samples need not be analyzed, because the entire homogeneous area must be considered positive.

**Sampling results begin on the next page.
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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Paddison Elementary School
12100 Crewe Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^A	Type ^B	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
100 Building										
1	Window putty	Throughout exterior side of windows	70 Square Feet	G	Misc.	No	0	2303270061RK-01	South wall	NAD ^C
								2303270061RK-02	East wall	NAD
								2303270061RK-03	North wall	NAD
2	Brick mortar	Throughout exterior walls	500 Square Feet	G	Surf.	No	0	2303270061RK-04	South wall	NAD
								2303270061RK-05	East wall	NAD
								2303270061RK-06	North wall	NAD
3	Sealant	Throughout exterior side of east windows at casing	5 Square Feet	G	Misc.	No	0	2303270061RK-07	East	2% Chrysotile
								2303270061RK-08	East	2% Chrysotile
								2303270061RK-09	East	2% Chrysotile
4	Roofing material (core sample)	Throughout rooftop	4,400 Square Feet	G	Misc.	No	0	2303270061RK-10	West	NAD
								2303270061RK-11	Near center	NAD
								2303270061RK-12	East	NAD
5	Roof mastic	Throughout rooftop at jacks, HVAC unit, flashing, penetrations, seams and patched areas	25 Square Feet	G	Misc.	No	0	2303270061RK-13	West at HVAC unit	NAD
								2303270061RK-14	Near center at roof jack	NAD
								2303270061RK-15	East at roof jack	NAD

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Sampling results continue on the next page.

^A G = Good; D = Damaged; SD = Severely Damaged

^B Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation

^C NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Paddison Elementary School
12100 Crewe Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^D	Type ^E	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
400 Building										
6	Window putty	Throughout exterior side of windows	35 Square Feet	G	Misc.	No	0	2303270061RK-16	South wall, west	NAD ^F
								2303270061RK-17	South wall, center	NAD
								2303270061RK-18	South wall, east	NAD
7	Brick mortar	Throughout exterior walls	600 Square Feet	G	Surf.	No	0	2303270061RK-19	North wall	NAD
								2303270061RK-20	South wall	NAD
								2303270061RK-21	East wall	NAD
8	Stucco	Exterior south wall at drinking fountain	20 Square Feet	G	Misc.	No	0	2303270061RK-22	South wall	NAD
								2303270061RK-23	South wall	NAD
								2303270061RK-24	South wall	NAD
9	Roofing material (core sample)	Throughout rooftop	6,000 Square Feet	G	Misc.	No	0	2303270061RK-25	West	NAD
								2303270061RK-26	Near center	NAD
								2303270061RK-27	East	NAD
10	Roof mastic	Throughout rooftop at jacks, HVAC unit, flashing, penetrations, seams and patched areas	65 Square Feet	G	Misc.	No	0	2303270061RK-28	West at roof jack	NAD
								2303270061RK-29	Near center at HVAC unit	NAD
								2303270061RK-30	East at roof jack	NAD

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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Paddison Elementary School
12100 Crewe Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^G	Type ^H	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
500 Building										
11	Window putty	Throughout exterior side of windows	35 Square Feet	G	Misc.	No	0	2303270061RK-31	South wall, west	NAD ^I
								2303270061RK-32	South wall, near center	NAD
								2303270061RK-33	South wall, east	NAD
12	Brick mortar	Throughout exterior walls	600 Square Feet	G	Surf.	No	0	2303270061RK-34	North wall	NAD
								2303270061RK-35	South wall	NAD
								2303270061RK-36	East wall	NAD
13	Stucco	Exterior south wall at drinking fountain	20 Square Feet	G	Misc.	No	0	2303270061RK-37	South wall	NAD
								2303270061RK-38	South wall	NAD
								2303270061RK-39	South wall	NAD
14	Roofing material (core sample)	Throughout rooftop	6,000 Square Feet	G	Misc.	No	0	2303270061RK-40	West	NAD
								2303270061RK-41	Near center	NAD
								2303270061RK-42	East	NAD
15	Roof mastic	Throughout rooftop at jacks, HVAC unit, flashing, penetrations, seams and patched areas	60 Square Feet	G	Misc.	No	0	2303270061RK-43	West at roof jack	NAD
								2303270061RK-44	Near center at HVAC unit	NAD
								2303270061RK-45	East at roof jack	NAD

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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Paddison Elementary School
12100 Crewe Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^J	Type ^K	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
600 Building										
16	Window putty	Throughout exterior side of windows	35 Square Feet	G	Misc.	No	0	2303270061RK-46	South wall, west	NAD ^L
								2303270061RK-47	South wall, near center	NAD
								2303270061RK-48	South wall, east	NAD
17	Brick mortar	Throughout exterior walls	600 Square Feet	G	Surf.	No	0	2303270061RK-49	North wall	NAD
								2303270061RK-50	South wall	NAD
								2303270061RK-51	East wall	NAD
19	Stucco	Exterior south wall at drinking fountain	20 Square Feet	G	Misc.	No	0	2303270061RK-52	South wall	NAD
								2303270061RK-53	South wall	NAD
								2303270061RK-54	South wall	NAD
20	Roofing material (core sample)	Throughout rooftop	6,000 Square Feet	G	Misc.	No	0	2303270061RK-55	West	NAD
								2303270061RK-56	Near center	NAD
								2303270061RK-57	East	NAD
21	Roof mastic	Throughout rooftop at jacks, HVAC unit, flashing, penetrations, seams and patched areas	55 Square Feet	G	Misc.	No	0	2303270061RK-58	West at roof jack	NAD
								2303270061RK-59	Near center at HVAC unit	NAD
								2303270061RK-60	East at roof jack	NAD

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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Paddison Elementary School
12100 Crewe Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^M	Type ^N	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
700 Building										
22	Window putty	Throughout exterior side windows	35 Square Feet	G	Misc.	No	0	2303270061RK-61	South wall, west	NAD ^O
								2303270061RK-62	South wall, near center	NAD
								2303270061RK-63	South wall, east	NAD
23	Brick mortar	Throughout exterior walls	600 Square Feet	G	Surf.	No	0	2303270061RK-64	North wall	NAD
								2303270061RK-65	South wall	NAD
								2303270061RK-66	East wall	NAD
24	Stucco	Exterior south wall at drinking fountain	20 Square Feet	G	Misc.	No	0	2303270061RK-67	South wall	NAD
								2303270061RK-68	South wall	NAD
								2303270061RK-69	South wall	NAD
25	Roofing material (core sample)	Throughout rooftop	6,000 Square Feet	G	Misc.	No	0	2303270061RK-70	West	NAD
								2303270061RK-71	Near center	NAD
								2303270061RK-72	East	NAD
26	Roof mastic	Throughout rooftop at jacks, HVAC unit, flashing, penetrations, seams and patched areas	55 Square Feet	G	Misc.	No	0	2303270061RK-73	West at roof jack	NAD
								2303270061RK-74	Near center at HVAC unit	NAD
								2303270061RK-75	East at roof jack	NAD

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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Paddison Elementary School
12100 Crewe Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^P	Type ^Q	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Administration Building										
27	Window putty	Throughout exterior side of windows	30 Square Feet	G	Misc.	No	0	2303280061RK-76	East wall	NAD ^R
								2303280061RK-77	South wall	NAD
								2303280061RK-78	West wall	NAD
28	Brick mortar	Throughout exterior walls	400 Square Feet	G	Surf.	No	0	2303280061RK-79	East wall	NAD
								2303280061RK-80	South wall	NAD
								2303280061RK-81	West wall	NAD
29	Roofing material (core sample)	Throughout rooftop	2,700 Square Feet	G	Misc.	No	0	2303280061RK-82	West	NAD
								2303280061RK-83	Near center	NAD
								2303280061RK-84	East	NAD
30	Roof penetration mastic	Throughout rooftop at jacks, conduit blocks, flashing, penetrations, seams and patched areas	25 Square Feet	G	Misc.	No	0	2303280061RK-85	West at roof jack	NAD
								2303280061RK-86	Near center at roof jack	NAD
								2303280061RK-87	East at conduit block	NAD

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^Q Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation
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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Paddison Elementary School
12100 Crewe Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^s	Type ^T	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
MPR Building										
31	Brick mortar	Throughout exterior walls	1,500 Square Feet	G	Surf.	No	0	2303280061RK-88	West wall	NAD ^U
								2303280061RK-89	South wall	NAD
								2303280061RK-90	East wall	NAD
								2303280061RK-91	South upper wall	NAD
								2303280061RK-92	East upper wall	NAD
32	Caulking	Throughout exterior side of windows	20 Square Feet	G	Misc.	No	0	2303280061RK-93	West wall	NAD
								2303280061RK-94	South wall	NAD
								2303280061RK-95	East wall	NAD
33	Roofing material (core sample)	Throughout lower rooftop	3,900 Square Feet	G	Misc.	No	0	2303280061RK-96	Northwest	NAD
								2303280061RK-97	Southeast	NAD
								2303280061RK-98	Northeast	NAD
34	Roof mastic	Throughout lower rooftop at jacks, HVAC units/ducts, flashing, penetrations, seams and patched areas	35 Square Feet	G	Misc.	No	0	2303280061RK-99	Near center at HVAC unit	NAD
								2303280061RK-100	North of roof jack	NAD
								2303280061RK-101	North wall flashing	NAD

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Sampling results continue on the next page.

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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Paddison Elementary School
12100 Crewe Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^v	Type ^w	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
MPR Building										
35	White roofing coating	Lower rooftop at select roof jacks and patched areas	18 Square Feet	G	Misc.	No	0	2303280061RK-102	Northwest at roof jack	NAD ^x
								2303280061RK-103	South at roof jack	NAD
								2303280061RK-104	Southeast at roof jack	NAD
36	Roofing material (core sample)	Throughout upper rooftop	4,000 Square Feet	G	Misc.	No	0	2303280061RK-105	West	NAD
								2303280061RK-106	Near center	NAD
								2303280061RK-107	East	NAD
37	Roof mastic	Throughout upper rooftop at jacks, HVAC units, flashing, gutters, penetrations, seams and patched areas	15 Square Feet	G	Misc.	No	0	2303280061RK-108	North-center at roof jack	NAD
								2303280061RK-109	East-center at HVAC unit	NAD
								2303280061RK-110	East-center at roof jack	NAD

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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Paddison Elementary School
12100 Crewe Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^Y	Type ^Z	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Library/Media Center Building^{AA}										
38	Roof mastic/sealant/caulking	Throughout rooftop at jacks, and patched areas	60 Square Feet	G	Misc.	No	0	2303280061RK-111	North at roof jack	NAD ^{BB}
								2303280061RK-112	Center at roof jack	NAD
								2303280061RK-113	Southeast patched area	NAD

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Sampling results continue on the next page

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^Z Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation

^{AA} NOTE: 1) Wood T-111 siding. 2) No window putty. 3) Wall caulking at metal seams is not anticipated to be impacted by Painting Project. 4) Metal roof panels

^{BB} NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Paddison Elementary School
12100 Crewe Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{CC}	Type ^{DD}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Portables^{EE}										
39	Roof mastic/caulking (on metal roof)	Portable 801: Rooftop at penetrations & patched areas	25 Square Feet	G	Misc.	No	0	2303280061RK-114	South at patched area	2% Chrysotile
								2303280061RK-115	Near center at patched area	2% Chrysotile
								2303280061RK-116	North at penetration	NAD ^{FF}
40	Roof caulking (on metal roof)	Portable 802: Rooftop at penetrations, patched areas of gutters	7 Square Feet	G	Misc.	No	0	2303280061RK-117	South at penetration	NAD
								2303280061RK-118	Center at penetration	NAD
								2303280061RK-119	North at penetration	NAD
41	Roof caulking (on metal roof)	Portable 803: Rooftop at penetrations, patched areas of gutters	7 Square Feet	G	Misc.	No	0	2303280061RK-120	South at penetration	NAD
								2303280061RK-121	Center at penetration	NAD
								2303280061RK-122	North at penetration	NAD
42	Roof caulking (on metal roof)	Portable 804: Rooftop at penetrations, patched areas of gutters	7 Square Feet	G	Misc.	No	0	2303280061RK-123	South at penetration	NAD
								2303280061RK-124	Center at penetration	NAD
								2303280061RK-125	North at penetration	NAD
43	Roof caulking (on metal roof)	Portable 805: Rooftop at penetration, patched areas of gutters	7 Square Feet	G	Misc.	No	0	2303280061RK-126	South at penetration	NAD
								2303280061RK-127	Center at penetration	NAD
								2303280061RK-128	North at penetration	NAD
44	Roof caulking (on metal roof)	Portable 806: Rooftop at penetration, patched areas of gutters	7 Square Feet	G	Misc.	No	0	2303280061RK-129	South at penetration	NAD
								2303280061RK-130	Center at penetration	NAD
								2303280061RK-131	South at penetration	NAD

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^{DD} Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation

^{EE} NOTES Portables: 1) Wood T-111 siding. 2) No window putty. 3) Wall caulking at metal seams is not anticipated to be impacted by Painting Project.

^{FF} NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Paddison Elementary School
12100 Crewe Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{GG}	Type ^{HH}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
County Day Care Center (Portable 807/808)										
45	Roof shingles and felt underlayment	Throughout rooftop	1,450 Square Feet	G	Misc.	No	<1	2303280061RK-132	East	Layers 1 & 2: NAD ^{II}
								2303280061RK-133	Center	Layers 1 & 2: NAD
								2303280061RK-134	West	Layers 1 & 2: NAD
46	Roof mastic	Rooftop at roof jacks, penetrations and patched areas	8 Square Feet	G	Misc.	No	0	2303280061RK-135	West at roof jack	NAD
								2303280061RK-136	Center at patched area	2% Chrysotile
								2303280061RK-137	East at roof jack	NAD

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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Paddison Elementary School
12100 Crewe Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{JJ}	Type ^{KK}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
County Day Care Center (Portable 807/808)										
47	Stucco	Throughout exterior walls	1,800 Square Feet	G	Surf.	No	<1	2303280061RK-138	West wall	<1% chrysotile ^{LL} 1000-Pt. Ct.: <0.1% chrysotile
								2303280061RK-139	South wall, west end	<1% chrysotile 1000-Pt. Ct.: <0.1% chrysotile
								2303280061RK-140	South wall, east end	<1% chrysotile 1000-Pt. Ct.: <0.1% chrysotile
								2303280061RK-141	East wall	<1% chrysotile 1000-Pt. Ct.: <0.1% chrysotile
								2303280061RK-142	North wall, east end	<1% chrysotile 1000-Pt. Ct.: <0.1% chrysotile

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^{LL} Samples 138 through 142 that had a result of less than 1% chrysotile via PLM analysis were further analyzed via the 1000-point count gravimetric method. The analysis by 1000-point count analysis revealed that under Cal/OSHA regulations the stucco is a non-regulated material.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Paddison Elementary School
12100 Crewe Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{MM}	Type ^{NN}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Portables^{OO}										
48	Roof mastic/caulking (on metal roof)	Portable 900: Rooftop at penetration, patched areas and patched areas of gutters	15 Square Feet	G	Misc.	No	0	2303290061RK-143	South at patched area	NAD ^{PP}
								2303290061RK-144	Center at penetration	NAD
								2303290061RK-145	North at patched area	NAD
49	Roof sealant/mastic/caulking (on metal roof)	Portable 901: Rooftop at roof jacks, penetration, patched areas and patched areas of gutters	13 Square Feet	G	Misc.	No	0	2303290061RK-146	Southwest at roof jack	NAD
								2303290061RK-147	Center at penetration	NAD
								2303290061RK-148	North at penetration	NAD
50	Roof caulking (on metal roof)	Portable 902: Rooftop at penetration, patched areas and patched areas of gutters	7 Square Feet	G	Misc.	No	0	2303290061RK-149	South at penetration	NAD
								2303290061RK-150	Center at penetration	NAD
								2303290061RK-151	North at penetration	NAD

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Sampling results continues on the next page.

^{MM} G = Good; D = Damaged; SD = Severely Damaged

^{NN} Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation

^{OO} NOTES Portables: 1) Wood T-111 siding. 2) No window putty. 3) Wall caulking at metal seams at not anticipated to be impacted by Painting Project.

^{PP} NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Paddison Elementary School
12100 Crewe Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{QQ}	Type ^{RR}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Covered Walkway										
51	Roofing coating material (on metal roof)	Throughout rooftop	2,600 Square Feet	G	Misc.	No	0	2303290061RK-152	East by 100 Building	20% Chrysotile
								2303290061RK-153	East side of Administration Building	20% Chrysotile
								2303290061RK-154	South of Administration Building	20% Chrysotile
								2303290061RK-155	West	20% Chrysotile
								2303290061RK-156	South of MPR Building	20% Chrysotile
52	Texture coat	Throughout ceilings and ceilings beams	2,600 Square Feet	G	Misc.	No	0	2303290061RK-157	South of MPR Building	Layer 1: NAD ^{SS}
										Layer 2: 12% Chrysotile
								2303290061RK-158	West	NAD
								2303290061RK-159	West of Administration Building	Layer 1: NAD
										Layer 2: 12% Chrysotile
								2303290061RK-160	South of Administration Building	Layer 1: NAD
2303290061RK-161	East of Administration Building	Layer 2: 12% Chrysotile								
		2% Chrysotile								

Note: This table must be used in conjunction with the entire report. This document is not to be used for contract bidding and is intended to be used to identify asbestos-containing materials and their locations only.

^{QQ} G = Good; D = Damaged; SD = Severely Damaged

^{RR} Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation

^{SS} NAD = No Asbestos Detected.

IV. FINDINGS

EE conducted a limited asbestos inspection of the permanent buildings, portables and covered walkways at Paddison Elementary School, located at 12100 Crewe Street, Norwalk, California 90650.

Fifty-two (52) homogeneous material groups were identified during the visual property inspection. One hundred and sixty-one (161) samples of suspect asbestos-containing materials were collected and delivered to AmeriSci of Carson, CA for analysis. The homogeneous areas and sampling results are listed on the table in Section III.

The analytical data revealed that the following material contain asbestos:

100 Building:

- **Sealant:** The sealant located throughout the exterior side of the east windows at casing tested positive for asbestos content.

Portables:

- **Roof mastic/caulking:** The roof mastic/caulking located at rooftop of Portable 801 (metal roof) at penetrations and patched areas tested positive for asbestos content.

County Day Care Center (Portables 807/808):

- **Roof mastic:** The roof mastic located at rooftop at roof jacks, penetration and patched areas tested positive for asbestos content.

Covered Walkways:

- **Roofing coating material:** The roofing coating material located throughout the rooftop tested positive for asbestos content.
- **Texture coat:** The texture coat located throughout the ceilings and ceilings beams tested positive for asbestos content.

V. CONCLUSIONS/RECOMMENDATIONS

Normally, asbestos-containing material found to be in good condition is not considered a hazard, unless it is disturbed. Prior to the start of any activity, such as remodeling, demolition, or renovation, that might disturb this material, a Certified Asbestos Consultant should be contracted to design and monitor the project. A California-licensed asbestos contractor should be hired to complete the asbestos abatement procedures.

If you have any questions, please call Mr. Tim Galeana at 626-441-7050. We are glad we could be of service to you.

VI. DISCLAIMER/REPORT LIMITATIONS

All reports and recommendations are based on conditions and practices observed and information made available to Executive Environmental (EE) by the client and the designated sites/facilities on the days sampling was conducted. This report does not purport to set forth all hazards, nor to indicate that other hazards do not exist. No responsibility is assumed by EE for the control or correction of conditions or practices existing at the facilities, or at any other premises surveyed by EE, for and on the behalf of the client. Services provided by EE shall be governed by the standard of practice for professional services measured at the time those services are rendered.

All information contained in this report is proprietary and limited to the scope of services, parameters of the analytical methods used and the conditions present at the time of this inspection. Any references to quantities are considered estimates and are not to be construed as actual.

APPENDIX A – LABORATORY ANALYSIS REPORT



Please Reply To:

AmeriSci Los Angeles

24416 S. Main Street, Ste 308

Carson, California 90745

TEL: (310) 834-4868 • FAX: (310) 834-4772

LABORATORY ELECTRONIC TRANSMITTAL

To: Yesenia Galeana
Executive Environmental Services Corporatio

Fax #:

Email: info@execenv.com, ygaleana@execenv.com

From: Thu M. Nguyen

AmeriSci Job #: 923031505

Subject: PLM 5 day Results

Client Project: 23-Z0187-0061; Building 100,
400, 500, 600, 700,
Administration, MPR, Library /
Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms
807/808, Portables 900, 901, 902,
Covered Walkway,

Date: Wednesday, April 5, 2023

Time: 15:58:36

Comments:

Number of Pages: _____
(including cover sheet)

NOTE: Attached report is to be considered preliminary until final review with accompanying analysis summary letter is issued.

CONFIDENTIALITY NOTICE: Unless otherwise indicated, the information contained in this communication is confidential information intended for use of the individual named above. If the reader of this communication is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is prohibited. If you have received this communication in error, please immediately notify the sender by telephone and return the original message to the above address via the US Postal Service at our expense. Samples are disposed of in 60 days or unless otherwise instructed by the protocol or special instructions in writing. Thank you.

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AmeriSci Los Angeles

24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

PLM Bulk Asbestos Report

Executive Environmental Services Corpor
Attn: Yesenia Galeana
310 East Foothill Blvd.
Suite 200
Arcadia, CA 91006

Date Received 03/30/23
Date Examined 03/31/23

AmeriSci Job # 923031505
P.O. #
Page 1 of 29

RE: 23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270061RK-01 Location: Exterior, South Wall / Exterior Window Putty / T-O Exterior Windows Analyst Description: Gray, Homogeneous, Non-Fibrous, Window Putty Asbestos Types: Other Material: Non-fibrous 100%	923031505-01	No	NAD (by CVES) by Thu M. Nguyen on 03/31/23
2303270061RK-02 Location: Exterior, East Wall / Exterior Window Putty Analyst Description: Gray, Homogeneous, Non-Fibrous, Window Putty Asbestos Types: Other Material: Non-fibrous 100%	923031505-02	No	NAD (by CVES) by Thu M. Nguyen on 03/31/23
2303270061RK-03 Location: Exterior, North Wall / Exterior Window Putty Analyst Description: Gray, Homogeneous, Non-Fibrous, Window Putty Asbestos Types: Other Material: Non-fibrous 100%	923031505-03	No	NAD (by CVES) by Thu M. Nguyen on 03/31/23
2303270061RK-04 Location: Exterior, South Wall / Brick Mortar / T-O Exterior Walls Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Mortar Asbestos Types: Other Material: Non-fibrous 100%	923031505-04	No	NAD (by CVES) by Thu M. Nguyen on 03/31/23
2303270061RK-05 Location: Exterior, East Wall / Brick Mortar Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Mortar Asbestos Types: Other Material: Non-fibrous 100%	923031505-05	No	NAD (by CVES) by Thu M. Nguyen on 03/31/23

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270061RK-06	923031505-06	No	NAD
Location: Exterior, North Wall / Brick Mortar			(by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-07	923031505-07	Yes	2%
Location: Exterior, East Window Casing / Exterior Sealant At Window Casing / Exterior East Window			(by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Sealant			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303270061RK-08	923031505-08	Yes	2%
Location: Exterior, East Window Casing / Exterior Sealant At Window Casing			(by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Sealant			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303270061RK-09	923031505-09	Yes	2%
Location: Exterior, East Window Casing / Exterior Sealant At Window Casing			(by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Sealant			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303270061RK-10	923031505-10	No	NAD
Location: Roof, West / Roof Core / T-O Roof			(by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 5%, Fibrous glass 15%, Non-fibrous 80%			
2303270061RK-11	923031505-11	No	NAD
Location: Roof, Near Center / Roof Core / T-O Roof			(by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 5%, Fibrous glass 15%, Non-fibrous 80%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270061RK-12 Location: Roof, East / Roof Core / T-O Roof	923031505-12	No	NAD (by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Silver/Black, Heterogeneous, Fibrous, Roofing Asbestos Types: Other Material: Cellulose 5%, Fibrous glass 15%, Non-fibrous 80%			
2303270061RK-13 Location: Roof, West At HVAC Unit / Roof Mastic / T-O Roof Jacks, HVAC Units, And Patched Areas	923031505-13	No	NAD (by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Silver/Black, Homogeneous, Non-Fibrous, Roof Mastic Asbestos Types: Other Material: Non-fibrous 100%			
2303270061RK-14 Location: Roof, Near Center At Roof Jack / Roof Mastic	923031505-14	No	NAD (by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Silver/Black, Homogeneous, Non-Fibrous, Roof Mastic Asbestos Types: Other Material: Non-fibrous 100%			
2303270061RK-15 Location: Roof, East At Roof Jack / Roof Mastic	923031505-15	No	NAD (by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Silver/Black, Homogeneous, Non-Fibrous, Roof Mastic Asbestos Types: Other Material: Non-fibrous 100%			
2303270061RK-16 Location: Exterior, South Wall - West / Exterior Window Putty / T-O Exterior Windows	923031505-16	No	NAD (by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Window Putty Asbestos Types: Other Material: Non-fibrous 100%			
2303270061RK-17 Location: Exterior, South Wall - Center / Exterior Window Putty	923031505-17	No	NAD (by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Window Putty Asbestos Types: Other Material: Non-fibrous 100%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270061RK-18	923031505-18	No	NAD
Location: Exterior, South Wall - East / Exterior Window Putty			(by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Window Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-19	923031505-19	No	NAD
Location: Exterior, North Wall / Brick Mortar			(by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Red/Grey, Heterogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-20	923031505-20	No	NAD
Location: Exterior, South Wall / Brick Mortar			(by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-21	923031505-21	No	NAD
Location: Exterior, East Wall / Brick Mortar			(by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-22	923031505-22	No	NAD
Location: Exterior, South Wall / Exterior Stucco / Exterior South Wall At Drinking Fountains			(by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Red/Grey, Heterogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-23	923031505-23	No	NAD
Location: Exterior, South Wall / Exterior Stucco			(by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Red/Grey, Heterogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270061RK-24	923031505-24	No	NAD
Location: Exterior, South Wall / Exterior Stucco			(by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Red/Grey, Heterogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-25	923031505-25	No	NAD
Location: Roof, West / Roof Core / T-O Roof			(by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303270061RK-26	923031505-26	No	NAD
Location: Roof, Near Center / Roof Core			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303270061RK-27	923031505-27	No	NAD
Location: Roof, East / Roof Core			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303270061RK-28	923031505-28	No	NAD
Location: Roof, West At Roof Jack / Roof Mastic / T-O Roof Jacks, HVAC Units And Patched Areas Bldg 400			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 5%, Non-fibrous 95%			
2303270061RK-29	923031505-29	No	NAD
Location: Roof, Near Center At HVAC Unit / Roof Mastic			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Black, Heterogeneous, Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 5%, Non-fibrous 95%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270061RK-30 Location: Roof, East At Roof Jack / Roof Mastic	923031505-30	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Black, Heterogeneous, Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 5%, Non-fibrous 95%			
2303270061RK-31 Location: Exterior, South Wall - West / Exterior Window Putty / T-O Exterior Windows Building 500	923031505-31	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: White, Heterogeneous, Non-Fibrous, Window Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-32 Location: Exterior, South Wall - Near Center / Exterior Window Putty	923031505-32	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: White, Heterogeneous, Non-Fibrous, Window Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-33 Location: Exterior, South Wall - East / Exterior Window Putty	923031505-33	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: White, Heterogeneous, Non-Fibrous, Window Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-34 Location: Exterior, North Wall / Brick Mortar / T-O Exterior Walls	923031505-34	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Red Gray, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-35 Location: Exterior, South Wall / Brick Mortar	923031505-35	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Red Gray, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270061RK-36	923031505-36	No	NAD
Location: Exterior, East Wall / Brick Mortar			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Red Gray, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-37	923031505-37	No	NAD
Location: Exterior, South Wall / Exterior Stucco / Exterior South Wall At Drinking Fountains			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Pink/Grey, Heterogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-38	923031505-38	No	NAD
Location: Exterior, South Wall / Exterior Stucco /			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Pink/Grey, Heterogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-39	923031505-39	No	NAD
Location: Exterior, South Wall / Exterior Stucco /			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Pink/Grey, Heterogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-40	923031505-40	No	NAD
Location: Roof, West / Roof Core / T-O Roof			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303270061RK-41	923031505-41	No	NAD
Location: Roof, Near Center / Roof Core			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270061RK-42	923031505-42	No	NAD
Location: Roof, East / Roof Core			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303270061RK-43	923031505-43	No	NAD
Location: Roof, West At Roof Jack / Roof Mastic / T-O Roof Jacks, HVAC Units And Patched Areas			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Black, Heterogeneous, Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 5%, Non-fibrous 95%			
2303270061RK-44	923031505-44	No	NAD
Location: Roof, Near Center At HVAC Unit / Roof Mastic			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Black, Heterogeneous, Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 5%, Non-fibrous 95%			
2303270061RK-45	923031505-45	No	NAD
Location: Roof, East At Roof Jack / Roof Mastic			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Black, Heterogeneous, Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 5%, Non-fibrous 95%			
2303270061RK-46	923031505-46	No	NAD
Location: Exterior, South Wall - West / Exterior Window Putty / T-O Exterior Windows			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Grey, Homogeneous, Fibrous, Window Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-47	923031505-47	No	NAD
Location: Exterior, South Wall - Near Center / Exterior Window Putty			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Window Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270061RK-48	923031505-48	No	NAD
Location: Exterior, South Wall - East / Exterior Window Putty			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Window Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-49	923031505-49	No	NAD
Location: Exterior - North Wall / Brick Mortar / T-O Exterior Walls			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Red Gray, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-50	923031505-50	No	NAD
Location: Exterior - South Wall / Brick Mortar			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Red Gray, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-51	923031505-51	No	NAD
Location: Exterior - East Wall / Brick Mortar			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Red Gray, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-52	923031505-52	No	NAD
Location: Exterior, South Wall / Exterior Stucco / Exterior South Wall At Drinking Fountains			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Pink/Grey, Heterogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-53	923031505-53	No	NAD
Location: Exterior, South Wall / Exterior Stucco			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Pink/Grey, Heterogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270061RK-54 Location: Exterior, South Wall / Exterior Stucco	923031505-54	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Pink/Grey, Heterogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-55 Location: Roof, West / Roof Core / T-O Roof	923031505-55	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303270061RK-56 Location: Roof, Near Center / Roof Core	923031505-56	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303270061RK-57 Location: Roof, East / Roof Core	923031505-57	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303270061RK-58 Location: Roof, West At Roof Jack / Roof Mastic / T-O Roof Jacks, HVAC Units And Patched Areas Building 600	923031505-58	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Silver/Black, Homogeneous, Non-Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 3%, Non-fibrous 97%			
2303270061RK-59 Location: Roof, Near Center At HVAC Unit / Roof Mastic	923031505-59	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Silver/Black, Heterogeneous, Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 3%, Non-fibrous 97%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270061RK-60 Location: Roof, East At Roof Jack / Roof Mastic	923031505-60	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Silver/Black, Heterogeneous, Non-Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 3%, Non-fibrous 97%			
2303270061RK-61 Location: Exterior, South Wall - West / Exterior Window Putty / T-O Exterior Windows	923031505-61	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Window Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-62 Location: Exterior, South Wall - Near Center / Exterior Window Putty	923031505-62	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Window Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-63 Location: Exterior, South Wall - East / Exterior Window Putty	923031505-63	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Window Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-64 Location: Exterior, North Wall / Brick Mortar / T-O Exterior Walls	923031505-64	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Red Gray, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-65 Location: Exterior, South Wall / Brick Mortar	923031505-65	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Red Gray, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270061RK-66 Location: Exterior, East Wall / Brick Mortar	923031505-66	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Red Gray, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-67 Location: Exterior, South Wall / Exterior Stucco / Exterior South Wall At Drinking Fountains	923031505-67	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Pink Gray, Heterogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-68 Location: Exterior, South Wall / Exterior Stucco	923031505-68	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Pink Gray, Heterogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-69 Location: Exterior, South Wall / Exterior Stucco	923031505-69	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Pink Gray, Heterogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-70 Location: Roof, West / Roof Core / T-O Roof	923031505-70	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303270061RK-71 Location: Roof, Near Center / Roof Core	923031505-71	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270061RK-72 Location: Roof, East / Roof Core	923031505-72	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303270061RK-73 Location: Roof, West At Roof Jack / Roof Mastic / T-O Roof Jacks, HVAC Units And Patched Areas	923031505-73	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 3%, Non-fibrous 97%			
2303270061RK-74 Location: Roof, Near Center At HVAC Unit / Roof Mastic	923031505-74	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Black, Heterogeneous, Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 3%, Non-fibrous 97%			
2303270061RK-75 Location: Roof, East At Roof Jack / Roof Mastic	923031505-75	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Black, Heterogeneous, Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 3%, Non-fibrous 97%			
2303280061RK-76 Location: Exterior, East Wall / Exterior Window Putty / T-O Exterior Window	923031505-76	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Window Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-77 Location: Exterior, South Wall / Exterior Window Putty	923031505-77	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Window Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280061RK-78 Location: Exterior, West Wall / Exterior Window Putty	923031505-78	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Window Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-79 Location: Exterior, East Wall / Brick Mortar / T-O Exterior Walls	923031505-79	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Red Gray, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-80 Location: Exterior, South Wall / Brick Mortar	923031505-80	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Red Gray, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-81 Location: Exterior, West Wall / Brick Mortar	923031505-81	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Red Gray, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-82 Location: Roof, West / Roof Core / T-O Roof	923031505-82	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303280061RK-83 Location: Roof, Near Center / Roof Core	923031505-83	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280061RK-84 Location: Roof, East / Roof Core	923031505-84	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing Asbestos Types: Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303280061RK-85 Location: Roof, West At Roof Jack / Roof Mastic / T-O Roof Jacks, Conduit Blocks And Patched Areas	923031505-85	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray Black, Heterogeneous, Fibrous, Roof Mastic Asbestos Types: Other Material: Cellulose 3%, Non-fibrous 97%			
2303280061RK-86 Location: Roof, Near Center At Roof Jack / Roof Mastic	923031505-86	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray Black, Heterogeneous, Fibrous, Roof Mastic Asbestos Types: Other Material: Cellulose 3%, Non-fibrous 97%			
2303280061RK-87 Location: Roof, East t Conduit Block / Roof Mastic	923031505-87	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray Black, Heterogeneous, Fibrous, Roof Mastic Asbestos Types: Other Material: Cellulose 3%, Non-fibrous 97%			
2303280061RK-88 Location: Exterior, West Wall / Brick Mortar / T-O Exterior Walls	923031505-88	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Red Grey, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar Asbestos Types: Other Material: Non-fibrous 100%			
2303280061RK-89 Location: Exterior, South Wall / Brick Mortar	923031505-89	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Red Grey, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar Asbestos Types: Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280061RK-90 Location: Exterior, East Wall / Brick Mortar Analyst Description: Red Grey, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar Asbestos Types: Other Material: Non-fibrous 100%	923031505-90	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
2303280061RK-91 Location: Exterior, South Upper Wall / Brick Mortar Analyst Description: Red Grey, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar Asbestos Types: Other Material: Non-fibrous 100%	923031505-91	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
2303280061RK-92 Location: Exterior, East Upper Wall / Brick Mortar Analyst Description: Red Grey, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar Asbestos Types: Other Material: Non-fibrous 100%	923031505-92	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
2303280061RK-93 Location: Exterior, West Wall / Exterior Window Caulking / T-O Exterior Windows Analyst Description: Tan, Homogeneous, Non-Fibrous, Window Caulk Asbestos Types: Other Material: Non-fibrous 100%	923031505-93	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
2303280061RK-94 Location: Exterior, South Wall / Exterior Window Caulking Analyst Description: Tan, Homogeneous, Non-Fibrous, Window Caulk Asbestos Types: Other Material: Non-fibrous 100%	923031505-94	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
2303280061RK-95 Location: Exterior, East Wall / Exterior Window Caulking Analyst Description: Tan, Homogeneous, Non-Fibrous, Window Caulk Asbestos Types: Other Material: Non-fibrous 100%	923031505-95	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280061RK-96 Location: Lower Roof, NW / Roof Core / Lower Roof	923031505-96	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303280061RK-97 Location: Lower Roof, SE / Roof Core	923031505-97	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303280061RK-98 Location: Lower Roof, NE / Roof Core	923031505-98	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303280061RK-99 Location: Lower Roof, Near Center At HVAC Unit / Roof Mastic / Lower Roof HVAC Units / Ducts, Roof Jacks, Flashings And Patched Areas	923031505-99	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Black, Heterogeneous, Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 3%, Non-fibrous 97%			
2303280061RK-100 Location: Lower Roof, North At Roof Jack / Roof Mastic	923031505-100	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Black, Heterogeneous, Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 3%, Non-fibrous 97%			
2303280061RK-101 Location: Lower Roof, At North Wall Flashing / Roof Mastic	923031505-101	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 3%, Non-fibrous 97%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280061RK-102	923031505-102	No	NAD
Location: Lower Roof, NW At Roof Jack / White Roof Coating / Lower Roof Select Roof Jacks And Patched Areas			(by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: White, Homogeneous, Non-Fibrous, Coating Asbestos Types: Other Material: Non-fibrous 100%			
2303280061RK-103	923031505-103	No	NAD
Location: Lower Roof, South At Roof Jack / White Roof Coating			(by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: White, Homogeneous, Non-Fibrous, Coating Asbestos Types: Other Material: Non-fibrous 100%			
2303280061RK-104	923031505-104	No	NAD
Location: Lower Roof, SE At Roof Jack / White Roof Coating			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: White, Homogeneous, Non-Fibrous, Coating Asbestos Types: Other Material: Non-fibrous 100%			
2303280061RK-105	923031505-105	No	NAD
Location: Upper Roof, West / Roof Core / T-O Upper Roof			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing Asbestos Types: Other Material: Cellulose 5%, Fibrous glass 10%, Non-fibrous 85%			
2303280061RK-106	923031505-106	No	NAD
Location: Upper Roof, Near Center / Roof Core			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing Asbestos Types: Other Material: Cellulose 5%, Fibrous glass 10%, Non-fibrous 85%			
2303280061RK-107	923031505-107	No	NAD
Location: Upper Roof, East / Roof Core			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing Asbestos Types: Other Material: Cellulose 5%, Fibrous glass 10%, Non-fibrous 85%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280061RK-108	923031505-108	No	NAD
Location: Upper Roof, North- Center At Roof Jack / Roof Mastic / Upper Roof At HVAC Units, Roof Jacks And Patched Areas And Gutters Of MPR			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray/Black, Homogeneous, Non-Fibrous, Roof Mastic Asbestos Types: Other Material: Non-fibrous 100%			
2303280061RK-109	923031505-109	No	NAD
Location: Upper Roof, East-Center At HVAC Unit / Roof Mastic			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray/Black, Homogeneous, Non-Fibrous, Roof Mastic Asbestos Types: Other Material: Non-fibrous 100%			
2303280061RK-110	923031505-110	No	NAD
Location: Upper Roof, East-Center At Roof Jack / Roof Mastic			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray/Black, Homogeneous, Non-Fibrous, Roof Mastic Asbestos Types: Other Material: Non-fibrous 100%			
2303280061RK-111	923031505-111	No	NAD
Location: Library / Media Center Roof, North At Roof Jacks / Roof Mastic / Sealant / Caulking / Library / Media Center Roof Jacks And Patched Areas T-O Metal Roof Panels			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Silver/Gray/ Black, Heterogeneous, Non-Fibrous, Roof Mastic Asbestos Types: Other Material: Non-fibrous 100%			
2303280061RK-112	923031505-112	No	NAD
Location: Library / Media Center Roof, Near Center At Roof Jacks / Roof Mastic			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Silver/Gray/Black, Heterogeneous, Non-Fibrous, Roof Mastic Asbestos Types: Other Material: Non-fibrous 100%			
2303280061RK-113	923031505-113	No	NAD
Location: Library / Media Center Roof, SE Patched Area / Roof Mastic			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Silver/Gray/Black, Heterogeneous, Non-Fibrous, Roof Mastic Asbestos Types: Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280061RK-114	923031505-114	Yes	2%
Location: Portable 801 Roof, South At Patched Area / Roof Mastic / Caulking (On Metal Roof) / Portable 801 Roof On Penetrations And Patched Areas			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roof Mastic Asbestos Types: Chrysotile 2.0 % Other Material: Non-fibrous 98%			
2303280061RK-115	923031505-115	Yes	2%
Location: Portable 801 Roof, Near Center At Patched Area / Roof Mastic			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Roof Mastic Asbestos Types: Chrysotile 2.0 % Other Material: Non-fibrous 98%			
2303280061RK-116	923031505-116	No	NAD
Location: Portable 801 Roof, North At Penetration / Roof Mastic			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Mastic Asbestos Types: Other Material: Non-fibrous 100%			
2303280061RK-117	923031505-117	No	NAD
Location: Portable 802 Roof, South At Penetration / Roof Caulking (On Metal Roof) / Portable 802 Roof At Penetrations And Patched Areas Of Gutters			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking Asbestos Types: Other Material: Non-fibrous 100%			
2303280061RK-118	923031505-118	No	NAD
Location: Portable 802 Roof, Center At Penetration / Roof Caulking (On Metal Roof)			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking Asbestos Types: Other Material: Non-fibrous 100%			
2303280061RK-119	923031505-119	No	NAD
Location: Portable 802 Roof, North At Penetration / Roof Caulking (On Metal Roof)			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking Asbestos Types: Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280061RK-120	923031505-120	No	NAD
Location: Portable 803 Roof, South At Penetration / Roof Caulking (On Metal Roof) / Portable 803 Roof At Penetrations And Patched Areas Of Gutters			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-121	923031505-121	No	NAD
Location: Portable 803 Roof, Center At Penetration / Roof Caulking (On Metal Roof)			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-122	923031505-122	No	NAD
Location: Portable 803 Roof, North At Penetration / Roof Caulking (On Metal Roof)			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-123	923031505-123	No	NAD
Location: Portable 804 Roof, South At Penetration / Roof Caulking (On Metal Roof) / Portable 804 Roof At Penetrations And Patched Areas Of Gutters			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Grey, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-124	923031505-124	No	NAD
Location: Portable 804 Roof, Center At Penetration / Roof Caulking (On Metal Roof)			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-125	923031505-125	No	NAD
Location: Portable 804 Roof, North At Penetration / Roof Caulking (On Metal Roof)			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280061RK-126	923031505-126	No	NAD
Location: Portable 805 Roof, South At Penetration / Roof Caulking (On Metal Roof) / Portable 805 Roof At Penetrations And Patched Areas Of Gutters			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking Asbestos Types: Other Material: Non-fibrous 100%			
2303280061RK-127	923031505-127	No	NAD
Location: Portable 805 Roof, Center At Penetration / Roof Caulking (On Metal Roof)			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking Asbestos Types: Other Material: Non-fibrous 100%			
2303280061RK-128	923031505-128	No	NAD
Location: Portable 805 Roof, North At Penetration / Roof Caulking (On Metal Roof)			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking Asbestos Types: Other Material: Non-fibrous 100%			
2303280061RK-129	923031505-129	No	NAD
Location: Portable 806 Roof, South At Penetration / Roof Caulking (On Metal Roof) / Portable 806 Roof At Penetrations And Patched Areas Of Gutters			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking Asbestos Types: Other Material: Non-fibrous 100%			
2303280061RK-130	923031505-130	No	NAD
Location: Portable 806 Roof, Cneter At Penetration / Roof Caulking (On Metal Roof)			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking Asbestos Types: Other Material: Non-fibrous 100%			
2303280061RK-131	923031505-131	No	NAD
Location: Portable 806 Roof, South At Penetration / Roof Caulking (On Metal Roof)			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking Asbestos Types: Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280061RK-132 Location: Roof, East / Roof Shingle And Felt Underlayment / T-O Roof	923031505-132L1	No	NAD (by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Heterogeneous, Fibrous, Roofing Shingle Asbestos Types: Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303280061RK-132 Location: Roof, East / Roof Shingle And Felt Underlayment / T-O Roof	923031505-132L2	No	NAD (by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Felt Asbestos Types: Other Material: Cellulose 60%, Non-fibrous 40%			
2303280061RK-133 Location: Roof, Center / Roof Shingle And Felt Underlayment	923031505-133L1	No	NAD (by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Heterogeneous, Fibrous, Roofing Shingle Asbestos Types: Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303280061RK-133 Location: Roof, Center / Roof Shingle And Felt Underlayment	923031505-133L2	No	NAD (by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Roofing Felt Asbestos Types: Other Material: Cellulose 60%, Non-fibrous 40%			
2303280061RK-134 Location: Roof, West / Roof Shingle And Felt Underlayment / T-O Roof	923031505-134L1	No	NAD (by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Heterogeneous, Fibrous, Roofing Shingle Asbestos Types: Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303280061RK-134 Location: Roof, West / Roof Shingle And Felt Underlayment / T-O Roof	923031505-134L2	No	NAD (by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Roofing Felt Asbestos Types: Other Material: Cellulose 60%, Non-fibrous 40%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280061RK-135	923031505-135	No	NAD
Location: Roof, West At Roof Jacks / Roof Mastic / T-O Roof Jacks And Patched Areas			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Roof Mastic Asbestos Types: Other Material: Non-fibrous 100%			
2303280061RK-136	923031505-136	Yes	2%
Location: Roof, Near Center At Patched Area / Roof Mastic			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roof Mastic Asbestos Types: Chrysotile 2.0 % Other Material: Non-fibrous 98%			
2303280061RK-137	923031505-137	No	NAD
Location: Roof, East Of Roof Jack / Roof Mastic			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Black, Heterogeneous, Non-Fibrous, Roof Mastic Asbestos Types: Other Material: Non-fibrous 100%			
2303280061RK-138	923031505-138	Yes	Trace (<1 %)
Location: Exterior, West Wall / Exterior Stucco / T-O Exterior Stucco			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Pink/Red/Grey, Heterogeneous, Fibrous, Stucco Asbestos Types: Chrysotile <1. % Other Material: Non-fibrous 100%			
2303280061RK-139	923031505-139	Yes	Trace (<1 %)
Location: Exterior, South Wall - West End / Exterior Stucco			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Pink/Red/Grey, Heterogeneous, Fibrous, Cementitious, Stucco Asbestos Types: Chrysotile <1. % Other Material: Non-fibrous 100%			
2303280061RK-140	923031505-140	Yes	Trace (<1 %)
Location: Exterior, South Wall - East End / Exterior Stucco			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Pink/Red/Grey, Heterogeneous, Fibrous, Cementitious, Stucco Asbestos Types: Chrysotile <1. % Other Material: Non-fibrous 100%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280061RK-141 Location: Exterior, East Wall / Exterior Stucco	923031505-141	Yes	Trace (<1 %) (by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Pink/Red/Grey, Heterogeneous, Fibrous, Stucco			
Asbestos Types: Chrysotile <1. %			
Other Material: Non-fibrous 100%			
2303280061RK-142 Location: Exterior, North Wall - East End / Exterior Stucco	923031505-142	Yes	Trace (<1 %) (by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Pink/Red/Grey, Heterogeneous, Fibrous, Stucco			
Asbestos Types: Chrysotile <1. %			
Other Material: Non-fibrous 100%			
2303290061RK-143 Location: Portable 900 Roof, South At Patched Area / Roof Mastic / Caulking (On Metal Roof) / Portable 900 Roof At Penetrations Patched Areas And Patched Areas Of Gutters	923031505-143	No	NAD (by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290061RK-144 Location: Portable 900 Roof, Near Center At Penetration / Roof Mastic / Caulking (On Metal Roof)	923031505-144	No	NAD (by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290061RK-145 Location: Portable 900 Roof, North At Patched Area / Roof Mastic / Caulking (On Metal Roof)	923031505-145	No	NAD (by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290061RK-146 Location: Portable 901 Roof, SW At Roof Jack / Roof Sealant / Mastic / Caulking (On Metal Roof) / Portable 901 Roof At Roof Jack, Patched Areas, Penetrations And Patched Area Of Gutters	923031505-146	No	NAD (by CVES) by Megan A DeLara on 04/03/23
Analyst Description: White, Homogeneous, Non-Fibrous, Roof Sealant			
Asbestos Types:			
Other Material: Non-fibrous 100%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290061RK-147	923031505-147	No	NAD
Location: Portable 901 Roof, Near Center At Patched Area / Roof Sealant / Mastic / Caulking (On Metal Roof)			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290061RK-148	923031505-148	No	NAD
Location: Portable 901 Roof, North At Penetration / Roof Sealant / Mastic / Caulking (On Metal Roof)			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290061RK-149	923031505-149	No	NAD
Location: Portable 902 Roof, South At Penetration / Roof Caulking (On Metal Roof) / Portable 902 Roof At Penetrations And Patched Areas Of Gutters			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290061RK-150	923031505-150	No	NAD
Location: Portable 902 Roof, Near Center At Penetration / Roof Caulking (On Metal Roof)			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290061RK-151	923031505-151	No	NAD
Location: Portable 902 Roof, North At Penetration / Roof Caulking (On Metal Roof)			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290061RK-152	923031505-152	Yes	20%
Location: Covered Walkway, East By Building 100 / Roof Coating (On Metal Roof) / T-O Covered Walkway Roof			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black/White, Homogeneous, Fibrous, Coating			
Asbestos Types: Chrysotile 20.0 %			
Other Material: Non-fibrous 80%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290061RK-153	923031505-153	Yes	20%
Location: Covered Walkway, East Side Of Administration Building / Roof Coating (On Metal Roof)			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black/White, Homogeneous, Fibrous, Coating			
Asbestos Types: Chrysotile 20.0 %			
Other Material: Non-fibrous 80%			
2303290061RK-154	923031505-154	Yes	20%
Location: Covered Walkway, South Of Administration Building / Roof Coating (On Metal Roof)			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black/White, Homogeneous, Fibrous, Coating			
Asbestos Types: Chrysotile 20.0 %			
Other Material: Non-fibrous 80%			
2303290061RK-155	923031505-155	Yes	20%
Location: Covered Walkway, West / Roof Coating (On Metal Roof)			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black/White, Homogeneous, Fibrous, Coating			
Asbestos Types: Chrysotile 20.0 %			
Other Material: Non-fibrous 80%			
2303290061RK-156	923031505-156	Yes	20%
Location: Covered Walkway, South Of MPR / Roof Coating (On Metal Roof)			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black/White, Homogeneous, Fibrous, Coating			
Asbestos Types: Chrysotile 20.0 %			
Other Material: Non-fibrous 80%			
2303290061RK-157	923031505-157L1	No	NAD
Location: Covered Walkway, South Of MPR / Texture Coat / T-O Covered Walkway Ceilings And Ceiling Beams			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: White, Homogeneous, Non-Fibrous, Texture Coat			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290061RK-157	923031505-157L2	Yes	12%
Location: Covered Walkway, South Of MPR / Texture Coat / T-O Covered Walkway Ceilings And Ceiling Beams			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Brown, Homogeneous, Fibrous, Fibrous Material			
Asbestos Types: Chrysotile 12.0 %			
Other Material: Non-fibrous 88%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290061RK-158 Location: Covered Walkway, West / Texture Coat	923031505-158	No	NAD (by CVES) by Megan A DeLara on 04/03/23
Analyst Description: White, Homogeneous, Non-Fibrous, Texture Coat			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290061RK-159 Location: Covered Walkway, West Of Administration Building / Texture Coat	923031505-159L1	No	NAD (by CVES) by Megan A DeLara on 04/03/23
Analyst Description: White, Homogeneous, Non-Fibrous, Texture Coat			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290061RK-159 Location: Covered Walkway, West Of Administration Building / Texture Coat	923031505-159L2	Yes	12% (by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Brown, Homogeneous, Fibrous, Fibrous Material			
Asbestos Types: Chrysotile 12.0 %			
Other Material: Non-fibrous 88%			
2303290061RK-160 Location: Covered Walkway, South Of Administration Building / Texture Coat	923031505-160L1	No	NAD (by CVES) by Megan A DeLara on 04/03/23
Analyst Description: White, Homogeneous, Non-Fibrous, Texture Coat			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290061RK-160 Location: Covered Walkway, South Of Administration Building / Texture Coat	923031505-160L2	Yes	12% (by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Brown, Homogeneous, Fibrous, Fibrous Material			
Asbestos Types: Chrysotile 12.0 %			
Other Material: Non-fibrous 88%			
2303290061RK-161 Location: Covered Walkway, East Of Administration Building / Texture Coat	923031505-161	Yes	2% ¹ (by CVES) by Megan A DeLara on 04/03/23
Analyst Description: White, Homogeneous, Non-Fibrous, Texture Coat			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Reporting Notes:

(1) Asbestos suspected to be inseparable contamination from adjacent layer.

Analyzed by: Thu M. Nguyen



Reviewed by: Patricia Weakley



Date: 3/31/2023

*NAD = no asbestos detected; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; NA = not analyzed; NA/PS = not analyzed / positive stop; NVA = No Visible Asbestos; PLM (polarized light microscopy) Bulk Asbestos Analysis by EPA 600/R-93/116, including requirements for EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200346-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laboratory. This PLM report relates ONLY to the items tested.



**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine (5 Working Days)	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/27/2023	Page 1 of 27
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.	4. All lab reports and invoices are to contain the Project Number from above.
2. Analyze all samples by PLM by EPA 600/R-93/116.	5. Unsigned and reports marked draft are unacceptable.
3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%	6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Building Name: Buildings 100

Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: <u>Info@execenv.com</u>	<input checked="" type="checkbox"/> Other: <u>ygaleana@execenv.com;</u>
			<input type="checkbox"/> Alternate billing address:	<u>923031505</u>

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-01	Exterior, south wall	Exterior window putty	T-O exterior windows	1	70SF	0
-02	Exterior, east wall	↓		↓	↓	↓
-03	Exterior, north wall			↓	↓	↓
-04	Exterior, south wall		Brick mortar	T-O exterior walls	2	500SF
-05	Exterior, east wall	↓		↓	↓	↓
-06	Exterior, north wall			↓	↓	↓

Prefix: 230327 0061RK

Notes:

Released By, Date, & Time: Rhys Kuzmic 03/30/2023	Received By, Date, & Time: Glenda Wilson ^{second from} 3.30.23 09:00	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine (5 Working Days)	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/20/2023	Page 2 of 27
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report. 2. Analyze all samples by PLM by EPA 600/R-93/116. 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%	Building Name: <u>Building 100</u> 4. All lab reports and invoices are to contain the Project Number from above. 5. Unsigned and reports marked draft are unacceptable. 6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327
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Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: <u>Info@execenv.com</u>	<input checked="" type="checkbox"/> Other: <u>ygaleana@execenv.com;</u>
			<input type="checkbox"/> Alternate billing address:	<u>927031505</u>

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-07	Exterior, east window casings	Exterior scikit at window	Exterior east windows	3	5 SIC	0
-08	Exterior, east window casings	casings		↓	↓	↓
-09	Exterior, east window casings	↓		↓	↓	↓
-10	Roof, west	Roof core	T-O roof	4	4,400 sq	0
-11	Roof, near center			↓	↓	↓
-12	Roof, east	↓		↓	↓	↓

Notes:

Released By, Date, & Time: <u>Rhys Kuz 03/30/2023 9:00 AM</u>	Received By, Date, & Time: <u>Glenda Linton 3.30.23 @ 9:00</u>	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine (5 Working Days)	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/27/2023	Page 3 of 27
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The receiving Laboratory is required to complete the following:

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report. 2. Analyze all samples by PLM by EPA 600/R-93/116. 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% | Building Name: <u>Buildings 100</u>
<ol style="list-style-type: none"> 4. All lab reports and invoices are to contain the Project Number from above. 5. Unsigned and reports marked draft are unacceptable. 6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327 |
|---|--|

Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: <u>Info@execenv.com</u>	<input checked="" type="checkbox"/> Other: <u>ygaleana@execenv.com;</u>
			<input type="checkbox"/> Alternate billing address:	<u>923031505</u>

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-13	Roof, west at HVAC unit	Roof mastic	FD roof jacks, HVAC units and patched areas	5	25 SF	0
-14	Roof, near center at roof jack	↓		↓	↓	↓
-15	Roof, east at roof jack	↓		↓	↓	↓

Notes:

Released By, Date, & Time: <i>Rhys Kuzmic</i> 03/30/2023 9:00 AM	Received By, Date, & Time: <i>Glenda Wilson</i> ^{Glenda from} 3.30.23 @ 9:00	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine <small>(5 Working Days)</small>	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/27/2023	Page 4 of 27
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- The receiving Laboratory is required to complete the following:**
- | | |
|---|---|
| 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
2. Analyze all samples by PLM by EPA 600/R-93/116.
3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% | Building Name: <u>Building 400</u>
4. All lab reports and invoices are to contain the Project Number from above.
5. Unsigned and reports marked draft are unacceptable.
6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327 |
|---|---|

Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: <u>Info@execenv.com</u>	<input checked="" type="checkbox"/> Other: <u>ygaleana@execenv.com</u>
			<input type="checkbox"/> Alternate billing address:	<u>923031505</u>

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-16	Exterior, south wall - west	Exterior window putty	T-0 exterior windows	6	35 SF	0
-17	Exterior, south wall - center	↓		↓	↓	↓
-18	Exterior, south wall - east			↓	↓	↓
-19	Exterior, north wall		Brick mortar	T-0 exterior walls	7	600 SF
-20	Exterior, south wall	↓		↓	↓	↓
-21	Exterior, east wall			↓	↓	↓

Notes:

Released By, Date, & Time: <u>Rhys Kuzmic 03/30/2023 9:00 AM</u>	Received By, Date, & Time: <u>Glenda Luzon Glendale from 3:30-3:50 PM 03/29/2023</u>	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine <small>(5 Working Days)</small>	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/27/2023	Page 5 of 27
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- The receiving Laboratory is required to complete the following:**
- | | |
|---|---|
| 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
2. Analyze all samples by PLM by EPA 600/R-93/116.
3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% | Building Name: <u>Building 400</u>
4. All lab reports and invoices are to contain the Project Number from above.
5. Unsigned and reports marked draft are unacceptable.
6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327 |
|---|---|

Optional items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: <u>Info@execenv.com</u>	<input checked="" type="checkbox"/> Other: <u>ygaleana@execenv.com</u>
			<input type="checkbox"/> Alternate billing address:	<u>023031505</u>

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-22	Exterior, South wall	Exterior stucco	Exterior south wall at drainage faucets	8	20 SF	0
-23	Exterior, South wall	↓		↓	↓	↓
-24	Exterior, South wall	↓		↓	↓	↓
-25	Roof, west	Roof core	To roof	9	6000 SF	0
-26	Roof, near center	↓		↓	↓	↓
-27	Roof, east	↓		↓	↓	↓

Notes:

Released By, Date, & Time: <u>Rhys Kuz</u> 02/30/2023 9:00AM	Received By, Date, & Time: <u>Glenda Turner</u> 3.30.23 @ 9:00	Released By, Date, & Time: (Empty)
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine (5 Working Days)	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/27/2023	Page 6 of 27
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report. 2. Analyze all samples by PLM by EPA 600/R-93/116. 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%	Building Name: <u>Buildings 400 and 500</u> 4. All lab reports and invoices are to contain the Project Number from above. 5. Unsigned and reports marked draft are unacceptable. 6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327
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Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: <u>Info@execenv.com</u>	<input checked="" type="checkbox"/> Other: <u>ygaleana@execenv.com;</u>
			<input type="checkbox"/> Alternate billing address:	<u>923031505</u>

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-28	Roof, West at roof jack	Roof Mastix	To roof jacks, HVAC units and patched areas	10	65 SF	0
-29	Roof, near center at HVAC unit	↓	Bldg 400	↓	↓	↓
-30	Roof, east at roof jack			↓	↓	↓
-31	Exterior, south wall - west		Exterior window putty	To exterior windows Buildings 500	11	35 SF
-32	Exterior, south wall - near center	↓		↓	↓	↓
-33	Exterior, south wall - east			↓	↓	↓

Notes:

Released By, Date, & Time: <u>Rhys Kuz</u> 03/30/2023 9:00 AM	Received By, Date, & Time: <u>Glenda</u> 03/30/23 9:00 AM	Released By, Date, & Time: <u>Glenda</u> 03/30/23 9:00 AM	Received By, Date, & Time:
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine <small>(5 Working Days)</small>	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/27/2023	Page 7 of 27
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report. 2. Analyze all samples by PLM by EPA 600/R-93/116. 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%	Building Name: <u>Building 500</u> 4. All lab reports and invoices are to contain the Project Number from above. 5. Unsigned and reports marked draft are unacceptable. 6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327
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Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: <u>Info@execenv.com</u>	<input checked="" type="checkbox"/> Other: <u>ygaleana@execenv.com;</u>
			<input type="checkbox"/> Alternate billing address:	<u>923031505</u>

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-34	Exterior, north wall	Brick mortar	T-O exterior walls	12	600 SF	0
-35	Exterior, south wall	↓		↓	↓	↓
-36	Exterior, east wall	↓		↓	↓	↓
-37	Exterior, south wall	Exterior stucco	Exterior south wall at drinking fountains	13	20 SF	0
-38	Exterior, south wall	↓		↓	↓	↓
-39	Exterior, south wall	↓		↓	↓	↓

Notes:

Released By, Date, & Time: <u>Rhys Kuz 03/30/2023 9:00AM</u>	Received By, Date, & Time: <u>Glendaluzon 3-30-23 9:00AM</u> <i>Glenda from</i>	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine (5 Working Days)	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/27/2023	Page 8 of 27
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd.; Suite 200, Arcadia, CA 91006 with a copy of the lab report. 2. Analyze all samples by PLM by EPA 600/R-93/116. 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%	Building Name: <u>Building 500</u> 4. All lab reports and invoices are to contain the Project Number from above. 5. Unsigned and reports marked draft are unacceptable. 6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327
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Optional Items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: ygaleana@execenv.com;
 US Mail Report to: Originating office check marked above Other: Alternate billing address: 923031505

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-40	Roof, west	Roof core	T-O roof	14	6,000 SF	0
-41	Roof, near center	↓		↓	↓	↓
-42	Roof, east	↓		↓	↓	↓
-43	Roof, west at roof jack	Roof mastic	T-O roof jacks, HVAC units and patched areas	15	605F	0
-44	Roof, near center at HVAC unit	↓		↓	↓	↓
-45	Roof, east at roof jack	↓		↓	↓	↓

Notes:

Released By, Date, & Time: <u>Rhys Kuz 03/27/2023 9:00AM</u>	Received By, Date, & Time: <u>Glendaluzon 3-30-23 9:00</u> <i>Glenda from</i>	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine <small>(5 Working Days)</small>	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/27/2023	Page 1 of 27
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The receiving Laboratory is required to complete the following:

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report. 2. Analyze all samples by PLM by EPA 600/R-93/116. 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% | Building Name: <u>Buildings 600</u>
<ol style="list-style-type: none"> 4. All lab reports and invoices are to contain the Project Number from above. 5. Unsigned and reports marked draft are unacceptable. 6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327 |
|---|--|

Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> Email Report to: <input checked="" type="checkbox"/> info@execenv.com	<input checked="" type="checkbox"/> Other: ygaleana@execenv.com
<input checked="" type="checkbox"/> US Mail Report to: <input checked="" type="checkbox"/> Originating office check marked above <input type="checkbox"/> Other:	<input type="checkbox"/> Alternate billing address: <u>923031505</u>

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-46	Exterior, South wall - west	Exterior window putty	T-O exterior windows	16	35 SF	0
-47	Exterior, south wall - near center	↓		↓	↓	↓
-48	Exterior, south wall - east	↓		↓	↓	↓
-49	Exterior, north wall	Brick mortar	T-O exterior walls	17	600 SF	0
-50	Exterior, south wall	↓		↓	↓	↓
-51	Exterior, east wall	↓		↓	↓	↓

Notes:

Released By, Date, & Time: <u>Rhys Kuzmic</u> 03/30/2023 9:00 AM	Received By, Date, & Time: Glenda Wilson ^{Mlanda Jim} 3-30-23 @ 9:00	Released By, Date, & Time:
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**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine (5 Working Days)	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/27/2023	Page 1 of 27
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.	Building Name: <u>Building 600</u>
2. Analyze all samples by PLM by EPA 600/R-93/116.	4. All lab reports and invoices are to contain the Project Number from above.
3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%	5. Unsigned and reports marked draft are unacceptable.
	6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: <u>Info@execenv.com</u>	<input checked="" type="checkbox"/> Other: <u>ygaleana@execenv.com;</u>
		<input type="checkbox"/> Alternate billing address:		<u>923031505</u>

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-52	Exterior, south wall	Exterior stucco	Exterior south wall at drinking fountains	18	20 SF	0
-53	Exterior, south wall			↓	↓	↓
-54	Exterior, south wall	↓		↓	↓	↓
-55	Roof, west	Roof core	T-O roof	19	6,000 SF	0
-56	Roof, near center			↓	↓	↓
-57	Roof, east	↓		↓	↓	↓

Notes:

Released By, Date, & Time: <u>Rhys Kuzmic</u> 03/30/2023 9:10AM	Received By, Date, & Time: <u>Glenda Wilson</u> 3-30-23 9:00	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine <small>(5 Working Days)</small>	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/27/2023	Page 1 of 2
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report. 2. Analyze all samples by PLM by EPA 600/R-93/116. 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%	Building Name: <u>Buildings 600 and Building 700</u> 4. All lab reports and invoices are to contain the Project Number from above. 5. Unsigned and reports marked draft are unacceptable. 6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327
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Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: <u>Info@execenv.com</u>	<input checked="" type="checkbox"/> Other: <u>ygaleana@execenv.com</u>
			<input type="checkbox"/> Alternate billing address:	<u>923091505</u>

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-58	Roof, west at roof jack	Roof Mastix	T-O roof jacks, HVAC units and patched areas	20	55SR	0
-59	Roof, near center at HVAC unit	↓	Building 600	↓	↓	↓
-60	Roof, east at roof jack	↓		↓	↓	↓
-61	Exterior, south wall - west	Exterior window putty	T-O exterior windows	21	35SF	0
-62	Exterior, south wall - near center	↓		↓	↓	↓
-63	Exterior, south wall - east	↓		↓	↓	↓

Notes:

Released By, Date, & Time: <u>Rhys Kuz</u> 03/30/2023 9:00AM	Received By, Date, & Time: Glenda ^{Hearda from} <u>Wiston</u> 3:30-23e9:00	Released By, Date, & Time: _____
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmériSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine (5 Working Days)	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/27/2023	Page 12 of 27
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
2. Analyze all samples by PLM by EPA 600/R-93/116.
3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%

Building Name: Building 700

4. All lab reports and invoices are to contain the Project Number from above.
5. Unsigned and reports marked draft are unacceptable.
6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: ygaleana@execenv.com;
 US Mail Report to: Originating office check marked above Other: 922031505
 Alternate billing address:

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-64	Exterior, north wall	Brick mortar	T-O exterior walls	22	600 SF	0
-65	Exterior, south wall	↓		↓	↓	↓
-66	Exterior, east wall	↓		↓	↓	↓
-67	Exterior, south wall	Exterior stucco	Exterior south wall at drinking fountains	23	205 SF	0
-68	Exterior, south wall	↓		↓	↓	↓
-69	Exterior, south wall	↓		↓	↓	↓

Notes:

Released By, Date, & Time: <u>Rhys Kuzmic 03/30/2023 9:00 AM</u>	Received By, Date, & Time: <u>Glenda Lopez 03/30/2023 9:00</u>	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine <small>(5 Working Days)</small>	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-20187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/27/2023	Page 13 of 27
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report. 2. Analyze all samples by PLM by EPA 600/R-93/116. 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%	Building Name: <u>Building 700</u> 4. All lab reports and invoices are to contain the Project Number from above. 5. Unsigned and reports marked draft are unacceptable. 6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327
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Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: <u>Info@execenv.com</u>	<input checked="" type="checkbox"/> Other: <u>ygaleana@execenv.com;</u>
	<input type="checkbox"/> Alternate billing address:			<u>923031505</u>

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-70	Roof, West	Roof core	T-O roof	24	6,000 SF	0
-71	Roof, near center	↓		↓	↓	↓
-72	Roof, east	↓		↓	↓	↓
-73	Roof, West at roof jack	Roof mastic	T-O roof jacks, HVAC units and patched areas	25	55 SF	0
-74	Roof, near center at HVAC unit	↓		↓	↓	↓
-75	Roof, east at roof jack	↓		↓	↓	↓

Notes:

Released By, Date, & Time: <u>Rhys Kuz</u> 03/30/2023 9:00AM	Received By, Date, & Time: <u>Glendaluzon</u> 3-30-23 9:00	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

 Routine
 (5 Working Days)

 RUSH (surcharges may apply)
 Circle 6 24 48 3 to 5
 One hours hours hours days

Project #:
 23-Z0187-0061

Sampled by:
 Rhys Kuzmic

Site Zip Code:
 90650

Sample Date:
 03/28/2023

Page 4 of 27

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd.; Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%

Building Name: Administration

- All lab reports and invoices are to contain the Project Number from above.
- Unsigned and reports marked draft are unacceptable.
- Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: ygaleana@execenv.com;

 US Mail Report to: Originating office check marked above Other:

 Alternate billing address:

923031505

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-76	Exterior, east Wall	Exterior Window putty	T-O exterior windows	26	30 SF	0
-77	Exterior, south wall	↓		↓	↓	↓
-78	Exterior, West Wall	↓		↓	↓	↓
-79	Exterior, east Wall	Brick mortar	T-O exterior walls	27	400 SF	0
-80	Exterior, south wall	↓		↓	↓	↓
-81	Exterior, West Wall	↓		↓	↓	↓

Notes:

Released By, Date, & Time: Rhys Kuzmic 03/28/2023 9:00 AM	Received By, Date, & Time: Glenda Wilson 3.30.23 9:00	Released By, Date, & Time:
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**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine (5 Working Days)	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/28/2023	Page 15 of 27
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.	4. All lab reports and invoices are to contain the Project Number from above.
2. Analyze all samples by PLM by EPA 600/R-93/116.	5. Unsigned and reports marked draft are unacceptable.
3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%	6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Building Name: Administration

Optional Items to be completed by the laboratory (if check marked): Email Report to: info@execenv.com Other: ygaleana@execenv.com;
 US Mail Report to: Originating office check marked above Other: Alternate billing address: 923031505

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location		Quantity	Percent Damaged
			No.			
-82	Roof, west	Roof core	TO roof	28	2,700 SF	0
-83	Roof, near center	↓		↓	↓	↓
-84	Roof, east			↓	↓	↓
-85	Roof, west at roof jack		Roof Mastix	TO roof jacks, conduit blocks and patched areas	29	25 SF
-86	Roof, near center at roof jacks	↓		↓	↓	↓
-87	Roof, east at conduit block			↓	↓	↓

Notes:

Released By, Date, & Time: <i>Rhys Kuzmic</i> 03/30/2023 9:00 AM	Received By, Date, & Time: <i>Glenda Wilson</i> 3.30.23 9:00	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine <small>(5 Working Days)</small>	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/28/2023	Page 6 of 27
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report. 2. Analyze all samples by PLM by EPA 600/R-93/116. 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%	Building Name: MPR 4. All lab reports and invoices are to contain the Project Number from above. 5. Unsigned and reports marked draft are unacceptable. 6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327
---	---

Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: <u>Info@execenv.com</u>	<input checked="" type="checkbox"/> Other: <u>ygaleana@execenv.com</u>
			<input type="checkbox"/> Alternate billing address:	923031505

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-88	Exterior, west wall	Brick mortar	T-O exterior walls	30	1,500 SF	0
-89	Exterior, south wall	↓		↓	↓	↓
-90	Exterior, east wall			↓	↓	↓
-91	Exterior, south upper wall			↓	↓	↓
-92	Exterior, east upper wall			↓	↓	↓
-93	Exterior, west wall		Exterior window caulking	T-O exterior windows	31	
-94	Exterior, south wall	↓		↓	↓	↓
-95	Exterior, east wall			↓	↓	↓

Notes:

Released By, Date, & Time: <i>Rhys Kuzmic</i> 03/30/2023 9:00AM	Received By, Date, & Time: Glenda Lizora ^{Heerde Jim} 3/30/23 9:00	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine <small>(5 Working Days)</small>	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/28/2023	Page 17 of 27
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report. 2. Analyze all samples by PLM by EPA 600/R-93/116. 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%	Building Name: MPR 4. All lab reports and invoices are to contain the Project Number from above. 5. Unsigned and reports marked draft are unacceptable. 6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327
---	---

Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: Info@execenv.com	<input checked="" type="checkbox"/> Other: ygaleana@execenv.com ;
			<input type="checkbox"/> Alternate billing address:	923031505

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-96	Lower roof, NW	Roof core	Lower roof	32	3,900 SF	0
-97	Lower roof, SE	↓		↓	↓	↓
-98	Lower roof, NE			↓	↓	↓
-99	Lower roof, near center at HVAC unit		Roof mastic	Lower roof HVAC units/ducts, roof jacks, flashings and patched areas	33	35 SF
-100	Lower roof, north at roof jack	↓		↓	↓	↓
-101	Lower roof, at north wall flashings			↓	↓	↓

Notes:

Released By, Date, & Time: Rhys Kuzmic 03/30/2023 9:00AM	Received By, Date, & Time: Glenda Lopez ^{Glenda for} 3.30.23 @ 9:00	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Routine
 (5 Working Days)

RUSH (surcharges may apply)
 Circle 6 24 48 3 to 5
 One hours hours hours days

Project #:
23-Z0187-0061

Sampled by:
Rhys Kuzmic

Site Zip Code:
90650

Sample Date:
03/28/2023

Page 18 of 27

- The receiving Laboratory is required to complete the following:**
- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 - Analyze all samples by PLM by EPA 600/R-93/116.
 - Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%

Building Name: MPR

- All lab reports and invoices are to contain the Project Number from above.
- Unsigned and reports marked draft are unacceptable.
- Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked): Email Report to: info@execenv.com Other: ygaleana@execenv.com
 US Mail Report to: Originating office check marked above Other: Alternate billing address: 923031505

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-102	Lower roof, NW at roof jack	White roof coatings	Lower roof select roof jacks and patched areas	34	18 SF	0
-103	Lower roof, south at roof jack	↓		↓	↓	↓
-104	Lower roof, SE at roof jack	↓		↓	↓	↓
-105	Upper roof, west	Roof core	TO upper roof	35	4,000 SF	0
-106	Upper roof, near center	↓		↓	↓	↓
-107	Upper roof, east	↓		↓	↓	↓

Notes:

Released By, Date, & Time: Rhys Kuzmic 03/20/2023 9:00 AM
 Received By, Date, & Time: Glenda Wilson 3/30/23 9:00
 Released By, Date, & Time:



Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine (5 Working Days)	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/23/2023	Page 19 of 27
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
2. Analyze all samples by PLM by EPA 600/R-93/116.
3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%

Building Name: MPR & Library / Media Center

4. All lab reports and invoices are to contain the Project Number from above.
5. Unsigned and reports marked draft are unacceptable.
6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: ygaleana@execenv.com;
 US Mail Report to: Originating office check marked above Other: Alternate billing address: 923031505

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-108	Upper roof, north-center at roof jack	Roof mastic	Upper roof at HVAC units, roof jacks and patched areas	36	15 SF	0
-109	Upper roof, east-center at HVAC unit	↓	↓	↓	↓	↓
-110	Upper roof, east-center at roof jack	↓	↓	↓	↓	↓
-111	Library/Media Center roof north at roof jack	Roof mastic/sealant/caulking	Library/Media Center roof jacks and patched areas too	37	60 SF	0
-112	Library/Media Center roof, near center at roof jack	↓	↓	↓	↓	↓
-113	Library/Media Center roof, SE patched area	↓	↓	↓	↓	↓

Notes:

Released By, Date, & Time: <u>Rhys Kuzmic</u> 03/23/2023 9:00 AM	Received By, Date, & Time: <u>Glenda [unclear]</u> ^{Handed from Rhys} 03/20/2023 9:00 AM	Released By, Date, & Time: (Empty)
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**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Routine (5 Working Days)
 RUSH (surcharges may apply)
 Circle 6 24 48 3 to 5
 One hours hours hours days

Project #: 23-Z0187-0061

Sampled by: Rhys Kuzmic

Site Zip Code: 90650

Sample Date: 03/28/2023

Page 2 of 27

The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%

Building Name: Portable 801 and 802

4. All lab reports and invoices are to contain the Project Number from above.
 5. Unsigned and reports marked draft are unacceptable.
 6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked): Email Report to: info@execenv.com Other: ygaleana@execenv.com;
 US Mail Report to: Originating office check marked above Other: Alternate billing address: 923031505

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location		Quantity	Percent Damaged
			No.			
-114	Portable 801 roof, south at patched area	Roof master caulking	Portable 801 roof and patched areas	38	25 SF	0
-115	Portable 801 roof, near center at patched area	ion metal roofs		↓	↓	↓
-116	Portable 801 roof, north at penetration	↓		↓	↓	↓
-117	Portable 802 roof, south at penetration	Roof caulking (on metal roofs)	Portable 802 roof at penetrations and patched areas of gutters	39	7 SF	0
-118	Portable 802 roof, center at penetration	↓		↓	↓	↓
-119	Portable 802 roof, north at penetration	↓		↓	↓	↓

Notes:

Released By, Date, & Time: Rhys Kuzmic 03/30/2023 9:21 AM

Received By, Date, & Time: Glenda Lopez 3.30.23 9:00 AM *Handed for*

Released By, Date, & Time:



Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine <small>(5 Working Days)</small>	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/28/2023	Page 2 of 2
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report. 2. Analyze all samples by PLM by EPA 600/R-93/116. 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%	Building Name: Portables 803 & 804 4. All lab reports and invoices are to contain the Project Number from above. 5. Unsigned and reports marked draft are unacceptable. 6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327
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Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: Info@execenv.com	<input checked="" type="checkbox"/> Other: ygaleana@execenv.com
			<input type="checkbox"/> Alternate billing address:	923031509

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-120	Portable 803 roof, south at penetration	Roof caulking (on metal roof)	Portable 803 roof at penetrations and patched areas of gutters	40	7 SF	0
-121	Portable 803 roof, center at penetration	↓		↓	↓	↓
-122	Portable 803 roof, north at penetration	↓		↓	↓	↓
-123	Portable 804 roof, south at penetration	Roof caulking (on metal roof)	Portable 804 roof at penetrations and patched areas of gutters	41	7 SF	0
-124	Portable 804 roof, center at penetration	↓		↓	↓	↓
-125	Portable 804 roof, north at penetration	↓		↓	↓	↓

Notes:

Released By, Date & Time: <i>R. Kuzmic</i> 03/28/2023 9:00AM	Received By, Date & Time: Yesenia Galeana 03.30.2023 9:00	Released By, Date & Time:
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**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine (5 Working Days)	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/28/2023	Page 2 of 27
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The receiving Laboratory is required to complete the following:

- | | |
|--|---|
| <ol style="list-style-type: none"> All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report. Analyze all samples by PLM by EPA 600/R-93/116. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% | Building Name: <u>Portables 805 + 806</u>
<ol style="list-style-type: none"> All lab reports and invoices are to contain the Project Number from above. Unsigned and reports marked draft are unacceptable. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327 |
|--|---|

Optional Items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: ygaleana@execenv.com;
 US Mail Report to: Originating office check marked above Other: Alternate billing address: 923031505

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location		Percent Damaged
			No.	Quantity	
-126	Portable 805 roof, south at Penetration	Roof caulking (on metal roof)	Portable 805 roof at penetrations and patched areas of gutters	42	> 5F 0
-127	Portable 805 roof, center at Penetration	↓		↓	↓
-128	Portable 805 roof, north at Penetration			↓	↓
-129	Portable 806 roof, south at Penetration	Roof caulking (on metal roof)	Portable 806 roof at penetrations and patched areas of gutters	43	> 5F 0
-130	Portable 806 roof, center at Penetration	↓		↓	↓
-131	Portable 806 roof, south at Penetration			↓	↓

Notes:

Released By, Date, & Time: <u>Rhys Kuzmic 03/30/2023 9:00AM</u>	Received By, Date, & Time: <u>Glenda Lizon 3.30.23 9:00</u>	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine <small>(5 Working Days)</small>	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/28/2023	Page 23 of 27
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
2. Analyze all samples by PLM by EPA 600/R-93/116.
3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%

Building Name: Rooms 807/808

4. All lab reports and invoices are to contain the Project Number from above.
5. Unsigned and reports marked draft are unacceptable.
6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: Info@execenv.com	<input checked="" type="checkbox"/> Other: ygaleana@execenv.com
			<input type="checkbox"/> Alternate billing address:	923031505

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-132	Roof, east	Roof shingle and felt	T-O roof	44	1,450sf	< 1
-133	Roof, center	underlayment		↓	↓	↓
-134	Roof, West	↓		↓	↓	↓
-135	Roof, west at roof jack	Roof mastic	T-O roof jacks and patched areas	45	85F	0
-136	Roof, near center at patched area	↓		↓	↓	↓
-137	Roof, east at roof jack	↓		↓	↓	↓

Prefix: 2303 28 0061RK

Notes:

Released By, Date, & Time: <i>Rhys Kuzmic</i> 03/30/2023 9:30 AM	Received By, Date, & Time: Glenda Wilson 3-30-23 @ 9:00	Released By, Date, & Time: (Empty)
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine <small>(5 Working Days)</small>	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/28/2023	Page 24 of 27
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report. 2. Analyze all samples by PLM by EPA 600/R-93/116. 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%	Building Name: Rooms 807/808 4. All lab reports and invoices are to contain the Project Number from above. 5. Unsigned and reports marked draft are unacceptable. 6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327
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Optional Items to be completed by the laboratory (if check marked): Email Report to: info@execenv.com Other: ygaleana@execenv.com

US Mail Report to: Originating office check marked above Other: Alternate billing address: 923031505

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-138	Exterior, west wall	Exterior stucco	T-O exterior walls	46	1,800sqft	<1
-139	Exterior, south wall - west end	↓		↓	↓	↓
-140	Exterior, south wall - east end			↓	↓	↓
-141	Exterior, east wall			↓	↓	↓
-142	Exterior, north wall - east end			↓	↓	↓

Notes:

Released By, Date, & Time: Rhys Kuzmic 03/30/2023 9:00AM	Received By, Date, & Time: Glenda Wilson 3.30.23 2:09:00	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
--	--

<input checked="" type="checkbox"/> Routine (5 Working Days)	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/29/2023	Page 5 of 27
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
2. Analyze all samples by PLM by EPA 600/R-93/116.
3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%

Building Name: Particles 900 & 901

4. All lab reports and invoices are to contain the Project Number from above.
5. Unsigned and reports marked draft are unacceptable.
6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: ygaleana@execenv.com;
 US Mail Report to: Originating office check marked above Other:
 Alternate billing address: 023021505

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-143	Portable 900 roof, south at patched area	Roof mastik / caulking (on metal roof)	Portable 900 roof at penetrations, patched areas and patched areas of gutters	47	15 SF	0
-144	Portable 900 roof, near center at penetration	↓		↓	↓	↓
-145	Portable 900 roof, north at patched area	↓		↓	↓	↓
-146	Portable 901 roof, SW at roof jack	Roof sealant / Mastik / caulking (on metal roof)	Portable 901 roof at roof jack, patched areas, penetrations and patched areas of gutters	48	13 SF	0
-147	Portable 901 roof, near center at patched area	↓		↓	↓	↓
-148	Portable 901 roof, north at penetration	↓		↓	↓	↓

Notes:

Released By, Date, & Time: <i>Rhys Kuzmic</i> 03/30/2023 9:01 AM	Received By, Date, & Time: <i>Elenda Lopez</i> 3/30/23 9:50	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
--	--

<input checked="" type="checkbox"/> Routine (5 Working Days)	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/29/2023	Page 26 of 27
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- The receiving Laboratory is required to complete the following:**
- | | |
|---|---|
| 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
2. Analyze all samples by PLM by EPA 600/R-93/116.
3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% | Building Name: <u>Portable 902 and Covered Walkway</u>
4. All lab reports and invoices are to contain the Project Number from above.
5. Unsigned and reports marked draft are unacceptable.
6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327 |
|---|---|

Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: <u>Info@execenv.com</u>	<input checked="" type="checkbox"/> Other: <u>ygaleana@execenv.com;</u>
			<input type="checkbox"/> Alternate billing address:	<u>923031505</u>

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-149	Portable 902 roof, south at penetration	Roof caulking (on metal roof)	Portable 902 roof at penetrations and patched areas of gutters	49	7 SF	0
-150	Portable 902 roof, near center at penetration	↓		↓	↓	↓
-151	Portable 902 roof, north at penetration	↓		↓	↓	↓
-152	Covered Walkway, east by Building 200	Roof coating (on metal roof)	TO covered walkway roof	50	2,600 SF	0
-153	Covered Walkway, east side of Administration Building	↓		↓	↓	↓
-154	Covered Walkway, south of Administration Building	↓		↓	↓	↓
-155	Covered Walkway, west	↓		↓	↓	↓
-156	Covered Walkway, south of MPR	↓		↓	↓	↓

Notes:

Released By, Date, & Time: <u>Blank</u> 03/30/2023 9:44 AM	Received By, Date, & Time: Glenda Lopez 3/30/2023	Released By, Date, & Time: (Blank)
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
--	--

<input checked="" type="checkbox"/> Routine (5 Working Days)	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/29/2023	Page 27 of 27
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- The receiving Laboratory is required to complete the following:**
- | | |
|---|--|
| 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
2. Analyze all samples by PLM by EPA 600/R-93/116.
3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% | Building Name: <u>Covered Walkway</u>
4. All lab reports and invoices are to contain the Project Number from above.
5. Unsigned and reports marked draft are unacceptable.
6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327 |
|---|--|

Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: <u>Info@execenv.com</u>	<input checked="" type="checkbox"/> Other: <u>ygaleana@execenv.com;</u>
			<input type="checkbox"/> Alternate billing address:	<u>923031505</u>

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-157	Covered Walkway, south of MPR	Texture coat	To covered walkway ceilings and ceiling beams	51	2,600SF	<1
-158	Covered Walkway, west	↓				
-159	Covered Walkway, west of Administration Buildings					
-160	Covered Walkway, south of Administration Buildings					
-161	Covered Walkway, east of Administration Buildings					

Notes:

Released By, Date, & Time: <u>Rhys Kuz</u> 03/30/2023 9:00AM	Received By, Date, & Time: <u>Glenda Wilson</u> 3/30/23 @ 9:00	Released By, Date, & Time:
--	--	----------------------------



Please Reply To:

AmeriSci Los Angeles

24416 S. Main Street, Ste 308

Carson, California 90745

TEL: (310) 834-4868 • FAX: (310) 834-4772

LABORATORY ELECTRONIC TRANSMITTAL

To: Yesenia Galeana
Executive Environmental Services Corporatio

Fax #:

Email: info@execenv.com, ygaleana@execenv.com

From: Megan A DeLara

AmeriSci Job #: 923041111

Subject: PLM 1000 point count 24 hour Re

Client Project: 23-Z0187-0061; Building 100,
400, 500, 600, 700,
Administration, MPR, Library /
Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms
807/808, Portables 900, 901, 902,
Covered Walkway,

Date: Wednesday, April 12, 2023

Time: 17:44:22

Comments:

Number of Pages: _____
(including cover sheet)

NOTE: Attached report is to be considered preliminary until final review with accompanying analysis summary letter is issued.

CONFIDENTIALITY NOTICE: Unless otherwise indicated, the information contained in this communication is confidential information intended for use of the individual named above. If the reader of this communication is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is prohibited. If you have received this communication in error, please immediately notify the sender by telephone and return the original message to the above address via the US Postal Service at our expense. Samples are disposed of in 60 days or unless otherwise instructed by the protocol or special instructions in writing. Thank you.

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 Carson, California 90745
 TEL: (310) 834-4868 • FAX: (310) 834-4772

PLM Bulk Asbestos Report

Executive Environmental Services Corpor **Date Received** 04/11/23 **AmeriSci Job #** 923041111
 Attn: Yesenia Galeana **Date Examined** 04/03/23 **P.O. #**
 310 East Foothill Blvd. **Page** 1 of 2
 Suite 200 **RE:** 23-Z0187-0061; Building 100, 400, 500, 600, 700,
 Arcadia, CA 91006 Administration, MPR, Library / Media Center, Portable 801, 802,
 803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
 Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280061RK-138 01 Location: Exterior, West Wall / Exterior Stucco / T-O Exterior Stucco	923041111-01	Yes	Trace (<0.1 % pc) ¹ (by 1000 pt ct) by Megan A DeLara on 04/03/23
Analyst Description: Pink/Red/Grey, Homogeneous, Non-Fibrous, Cementitious, Stucco Asbestos Types: Chrysotile <0.1 % pc Other Material: Non-Asbestos/Inert 50.1% Comment: Heat Sensitive (organic): 8.1%; Acid Soluble (inorganic): 41.8%; Inert (Non-asbestos): 50.1%			
2303280061RK-139 01 Location: Exterior, South Wall - West End / Exterior Stucco	923041111-02	Yes	Trace (<0.1 % pc) ¹ (by 1000 pt ct) by Megan A DeLara on 04/03/23
Analyst Description: Pink/Red/Grey, Homogeneous, Non-Fibrous, Cementitious, Stucco Asbestos Types: Chrysotile <0.1 % pc Other Material: Non-Asbestos/Inert 56.8% Comment: Heat Sensitive (organic): 12.4%; Acid Soluble (inorganic): 30.8%; Inert (Non-asbestos): 56.8%			
2303280061RK-140 01 Location: Exterior, South Wall - East End / Exterior Stucco	923041111-03	Yes	Trace (<0.1 % pc) ¹ (by 1000 pt ct) by Megan A DeLara on 04/03/23
Analyst Description: Pink/Red/Grey, Homogeneous, Non-Fibrous, Cementitious, Stucco Asbestos Types: Chrysotile <0.1 % pc Other Material: Non-Asbestos/Inert 51.9% Comment: Heat Sensitive (organic): 8.6%; Acid Soluble (inorganic): 39.4%; Inert (Non-asbestos): 51.9%			
2303280061RK-141 01 Location: Exterior, East Wall / Exterior Stucco	923041111-04	No	NAD ¹ (by 1000 pt ct) by Megan A DeLara on 04/03/23
Analyst Description: Pink/Red/Grey, Homogeneous, Non-Fibrous, Cementitious, Stucco Asbestos Types: Other Material: Non-Asbestos/Inert 63.2% Comment: Heat Sensitive (organic): 9.7%; Acid Soluble (inorganic): 27.2%; Inert (Non-asbestos): 63.2%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280061RK-142 01	923041111-05	Yes	Trace (<0.1 % pc) ¹ (by 1000 pt ct) by Megan A DeLara on 04/03/23
Location: Exterior, North Wall - East End / Exterior Stucco			
Analyst Description: Pink/Red/Grey, Homogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types: Chrysotile <0.1 % pc			
Other Material: Non-Asbestos/Inert 52.7%			
Comment: Heat Sensitive (organic): 18.0%; Acid Soluble (inorganic): 29.3%; Inert (Non-asbestos): 52.7%			

Reporting Notes:

(1) EPA 1000 Point Count Analysis performed on inert residue remaining after 480C heat and HCl acid treatments.

Analyzed by: Megan A DeLara
Date: 4/3/2023



Reviewed by: Thu M. Nguyen

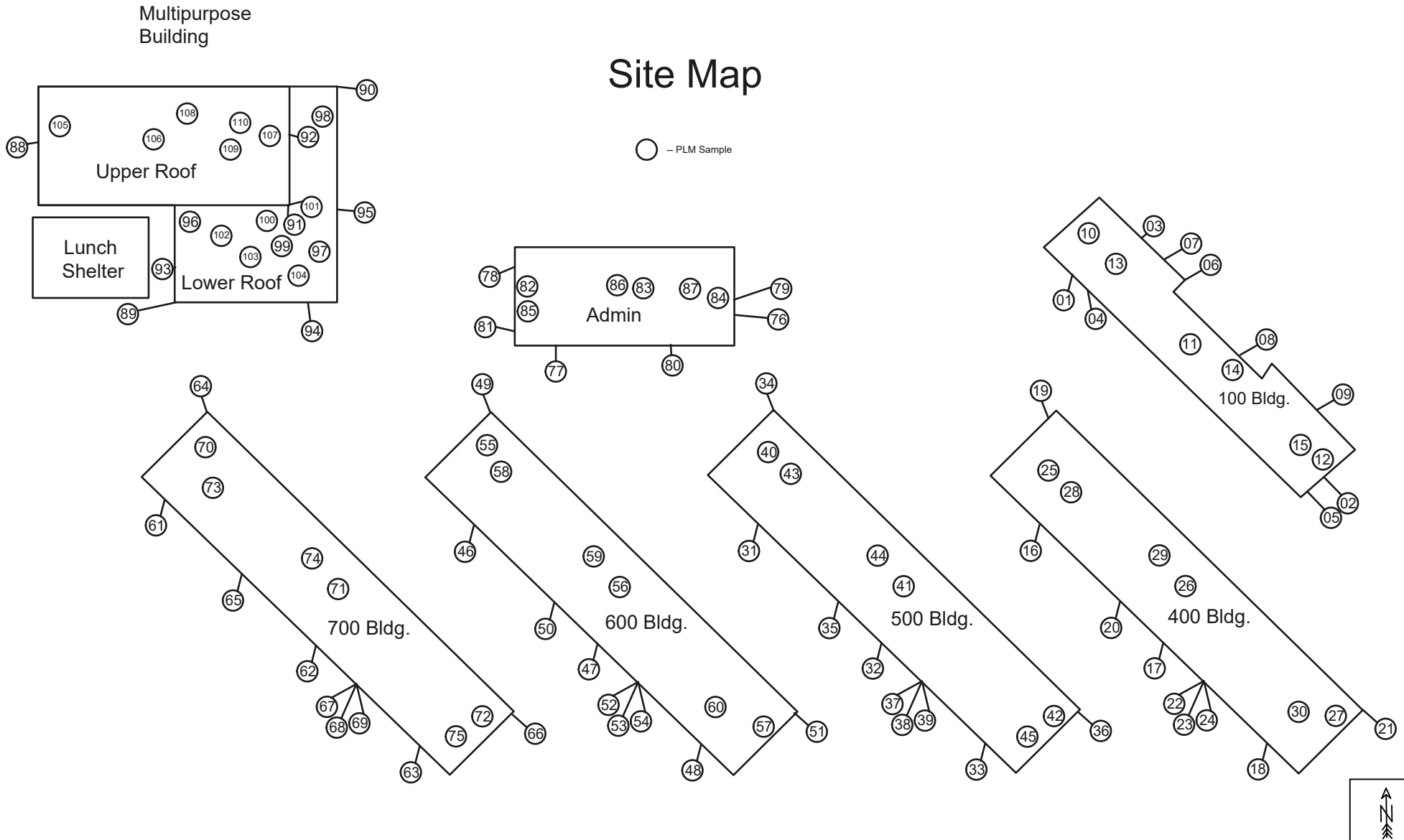


*NAD = no asbestos detected; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; NA = not analyzed; NA/PS = not analyzed / positive stop; NVA = No Visible Asbestos; PLM (polarized light microscopy) Bulk Asbestos Analysis by EPA 600/R-93/116, including requirements for EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200346-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laboratory. This PLM report relates ONLY to the items tested.

APPENDIX B – SITE DRAWING

Site Map

○ - PLM Sample



Client: Little Lake City SD

Project #: 23-Z0187-0061

Info: PLM Sample Locations (Page 1 of 3)

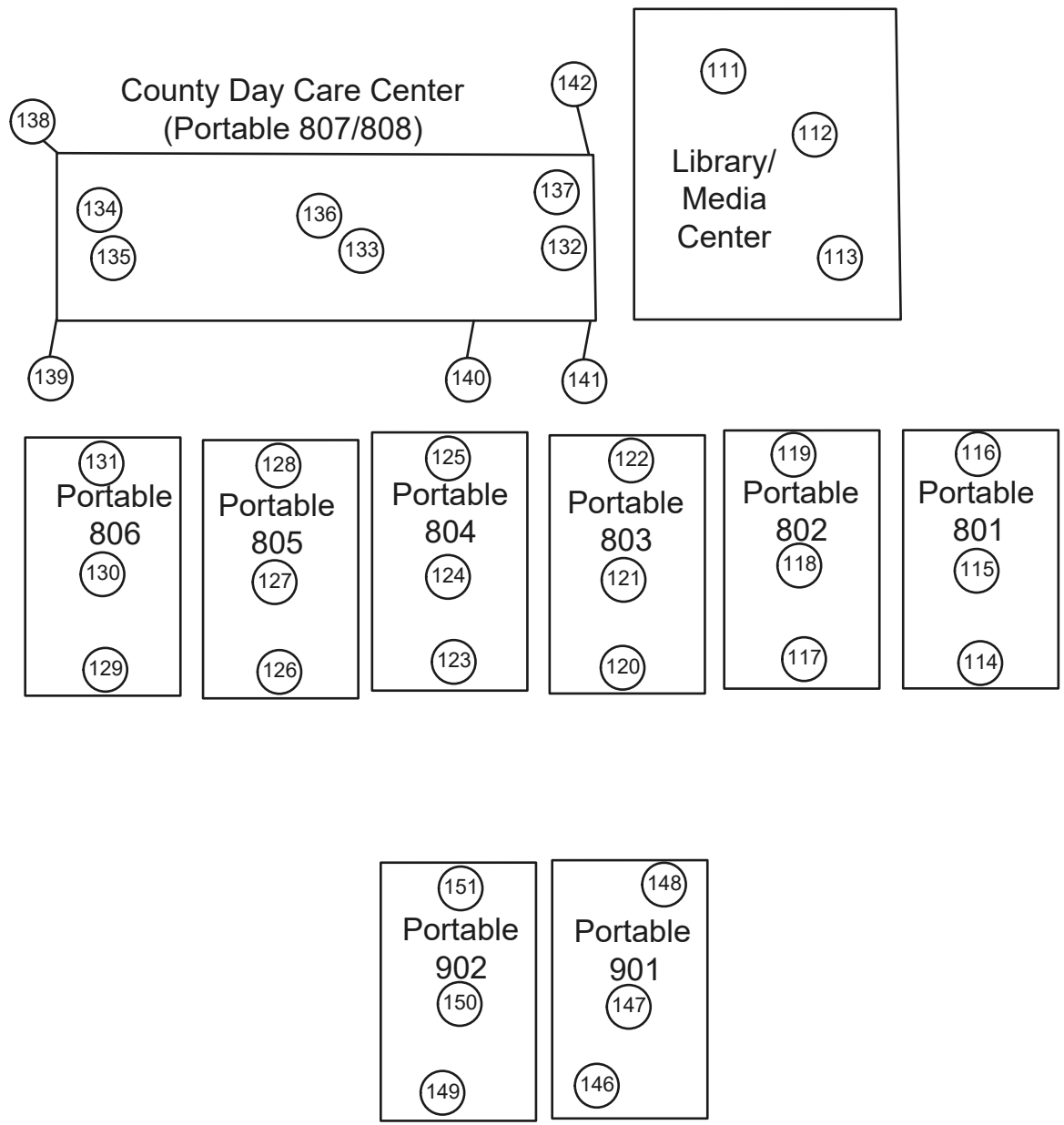


EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Site: Paddison ES
Address: 12100 Crewe Street
Norwalk, CA 90650

Drawing Not to Scale - © 2012

Site Map



○ - PLM Sample



Client: Little Lake City SD

Project #: 23-Z0187-0061

Info: PLM Sample Locations (Page 2 of 3)

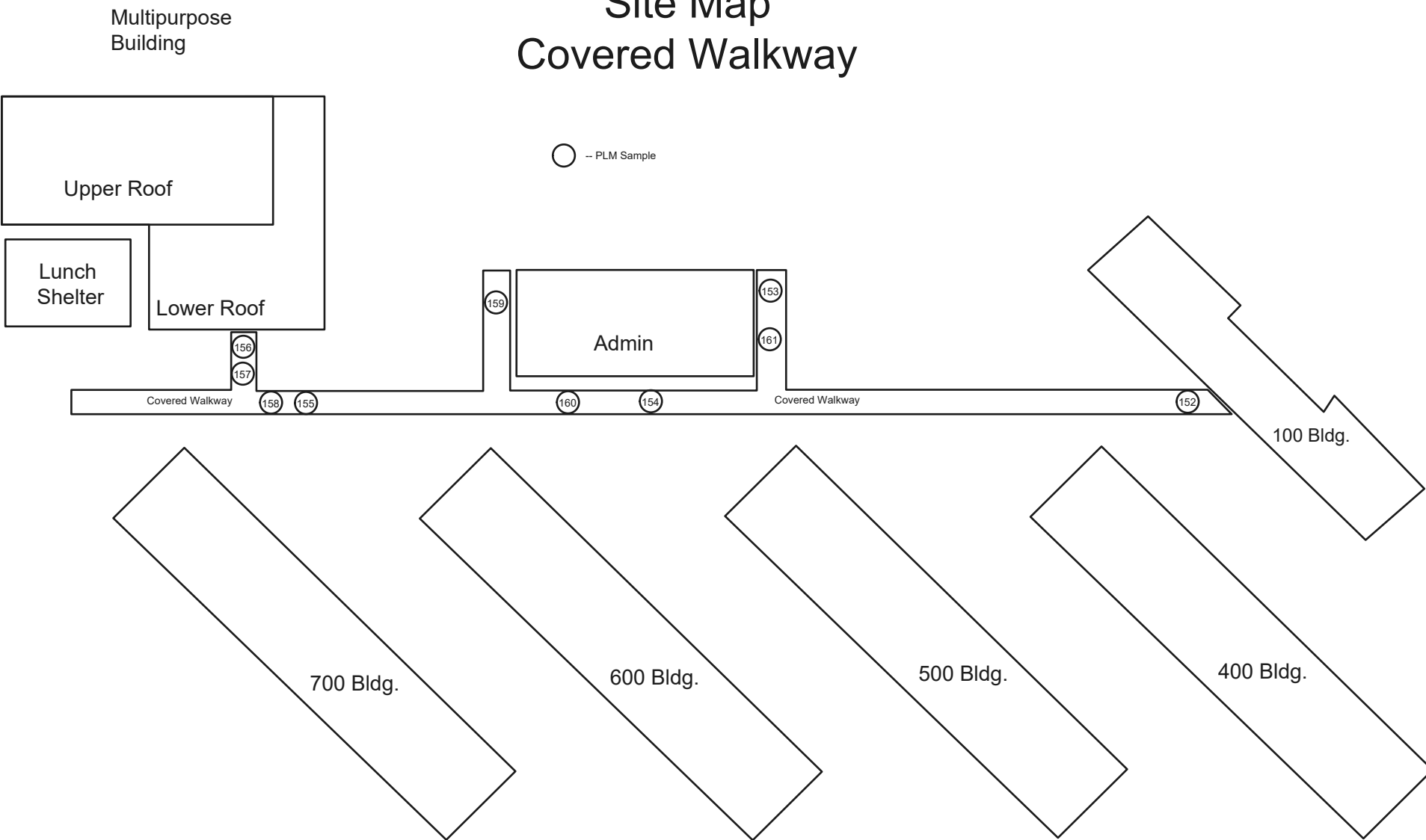


EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Site: Paddison ES
Address: 12100 Crewe Street
Norwalk, CA 90650

Drawing Not to Scale - © 2012

Site Map Covered Walkway



Client: Little Lake City SD

Project #: 23-Z0187-0061

Info: PLM Sample Locations (Page 3 of 3)



EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Site: Paddison ES
Address: 12100 Crewe Street
Norwalk, CA 90650

Drawing Not to Scale - © 2012

APPENDIX C – STAFF CERTIFICATION

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

Rhys D Kuzmic

Name

Certification No. 09-4586

Expires on 01/20/24

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.



**APPENDIX B – LIMITED LEAD-BASED PAINT INSPECTION REPORT
DATED – APRIL 13, 2023**



Industrial Hygiene • Air Quality • Lead & Asbestos • Training • Health & Safety

LIMITED LEAD-BASED PAINT INSPECTION REPORT

Conducted at:

PADDISON ELEMENTARY SCHOOL
EXTERIOR PAINTING AND MINOR REPAIR PROJECT
12100 CREWE STREET
NORWALK, CALIFORNIA 90650

Prepared for:

MR. BRENT GRIFFEN
DIRECTOR OF MAINTENANCE AND OPERATIONS AND CUSTODIAL SERVICES
LITTLE LAKE CITY SCHOOL DISTRICT
10515 SOUTH PIONEER BOULEVARD
SANTA FE SPRINGS, CALIFORNIA 90670

Prepared by:

EXECUTIVE ENVIRONMENTAL
310 EAST FOOTHILL BOULEVARD, SUITE 200
ARCADIA, CALIFORNIA 91006

Project Number EE 23-Z0187-0061
April 13, 2023

Report assembled by:


Yesenia G. Galeana
Technical Report Writer
Executive Environmental

Report generated/reviewed by:



Tim Galeana, CDPH # 00395
Senior Project Manager
Executive Environmental

TABLE OF CONTENTS

- I. EXECUTIVE SUMMARY
- II. SAMPLING PROTOCOL
- III. SAMPLING METHODOLOGY
- IV. SAMPLE ANALYSIS
- V. CONCLUSIONS/RECOMMENDATIONS
- VI. DISCLAIMER/REPORT LIMITATIONS

APPENDICES

APPENDIX A – SITE DRAWINGS

APPENDIX B – XRF SUMMARY RESULTS

APPENDIX C – LEAD HAZARD EVALUATION REPORT

APPENDIX D – XRF PERFORMANCE CHARACTERISTICS SHEET

LIMITED LEAD-BASED PAINT INSPECTION

Project Number: EE 23-Z0187-0061

Client: Little Lake City School District
10515 South Pioneer Boulevard
Santa Fe Springs, California 90670

Site Location: Paddison Elementary School
Exterior Painting and Minor Repair Project
12100 Crewe Street
Norwalk, California 90650

Site Use: School Property

Contact Person: Mr. Brent Griffen
Director of M&O and Custodial Services
Phone: (562) 868-8241

Inspection Date Between: March 29 thru 31, 2023

Inspected By: Mr. Rhys Kuzmic
Certified Lead Professional, CDPH/LRC # 004395

Report Assembled By: Ms. Yesenia G. Galeana
Technical Report Writer

Report Generated/Reviewed By: Mr. Tim Galeana
Certified Lead Professional, CDPH/LRC # 3732

I. EXECUTIVE SUMMARY

Executive Environmental (EE) was retained by the Little Lake City School District to conduct a limited lead-based paint inspection of permanent buildings, portables and covered walkway at Paddison Elementary School, located at 12100 Crewe Street, Norwalk, California 90650. The inspection was conducted as a precursor to the upcoming Exterior Painting and Minor Repair Project. EE provided a California Department of Public Health Certified Lead Inspector to conduct the inspection. Regulated lead-based paint was detected during this inspection. EE's Certified Lead Professional (CLP) conducted these services on March 29 thru 31, 2023. *This is considered a limited inspection. The inspection was limited to exterior surfaces and components anticipated to be impacted by the Exterior Painting and Minor Repair Project, as directed by the client.*

II. SAMPLING PROTOCOL

According to the United States Department of Housing and Urban Development's (HUD) guideline document, Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing, and Section 1017 of Title X, Residential Lead-Based Paint Hazard

Reduction Act of 1992, Public Law 102-550, paint found to have a lead concentration of at least 1.0 mg/cm² (milligrams per centimeter squared) by X-Ray Fluorescence (XRF) analysis, or 0.5 percent (5000 parts per million) by weight, is regulated as lead-based paint.

Los Angeles County Childhood Lead Poisoning Prevention Program established in 1991, further regulates that paint found to have a lead concentration greater than 0.7 mg/cm² via XRF readings, or 0.06 weight-to-weight percent by Atomic Absorption Spectrometry (AAS) analysis, is considered to be lead-based paint. The Los Angeles County 0.7 mg/cm² action level was used for determining the lead-based paint in this inspection because it is more stringent than the HUD guidelines.

Any material containing any detectable level of lead is subject to the Occupational Safety and Health Administration's (OSHA) Lead Exposure in Construction Rule 29 Code of Federal Regulation (CFR) 1926.62 and California Code of Regulations Title 8, Section 1532.1 Lead (8CCR1532.1) and Title 8, Section 5198, Lead (8CCR5198). All work that disturbs this type of material must be performed in accordance with this and any other applicable standards.

All facilities built prior to 1979 for residential buildings and prior to 1993 for schools are suspect for lead-containing materials. Federal and state regulations recognize only the following methods of identification: analysis by an XRF instrument, paint bulk sample collection and analysis, or a combination of both. This inspection was conducted via XRF instrumentation. The parameters used to interpret the XRF results are outlined in the HUD guidelines and the XRF Performance Characteristics Sheets (PCS).

III. SAMPLING METHODOLOGY

A visual inspection of the exterior of the permanent buildings, portables and covered walkway was conducted by EE's CLP to identify major site features and surfaces and/or components suspected of being coated with lead-based paint that will be impacted by the roofing and painting projects. After identifying the materials suspected of being coated with a lead-based paint, EE grouped the components, substrates, and room equivalents into testing combinations. A testing combination is defined as the room equivalent, component, and substrate. A room equivalent is an identifiable part of a building (e.g., classrooms, restrooms, mechanical rooms, exterior). Color does not accurately indicate painting history and is not included when assigning testing combinations. If there was any reason to suspect that materials may have been installed or painted at different times even though they appeared uniform, they were assigned to separate testing combinations.

Following the visual inspection, screening for the presence of lead-based paint was performed on-site using a portable XRF instrument. The XRF has the ability to measure lead content in paint within the range of 0 to 50 milligrams per centimeter squared (mg/cm²). The on-site inspection capability of the XRF instrument typically reduces the number of paint-chip samples that may need to be collected and sent for laboratory analysis. The portable XRF instrument used in this inspection was manufactured by Niton Corporation.

The following specifications apply to the Niton XRF:

- Ability to report both the K and L shell line x-ray emission energies simultaneously and report the lead concentration in mg/cm².

- Accuracy for a single reading on all building materials within 0.2 mg/cm², at 95 percent confidence, at 0 to 1 mg/cm².
- Equipped with a 40 milli-curie (mCi) cadmium, 109-sealed, radioactive source. Substrate effects are automatically corrected through a complex algorithm and calibration.

IV. SAMPLE ANALYSIS

According to local state, and federal standards, the following surfaces and/or components that were analyzed with the Niton XRF instrument during this inspection are considered to be coated with a regulated lead-based paint.

XRF SAMPLE ANALYSIS DATA Paddison Elementary School ^A 12100 Crewe Street Norwalk, California 90650				
Location	Component	Substrate	Estimate Quantity	XRF Result Mg/cm ²
Administration Building				
Throughout exterior	Window frames	Metal	17 Window banks	2.2
Exterior, sides A & C	Overhangs and siding	Wood	20 Square Feet	1.2
Exterior	Fascia	Wood	210 Linear Feet	2
Exterior, side C (far east door)	Door frame	Metal	1 Total	0.8
Exterior, side D	Transom	Wood	1 Total	2
Multi-Purpose Building				
Throughout exterior	Overhangs and siding (peeling/damage)	Wood	950 Square Feet	7
Throughout exterior	Downspout	Metal	5 Total	0.9
Exterior, side C at Storage room	Door frame	Metal	1 Total	0.8
Exterior, side B upper vents	Vent	Metal	2 Total	1

Note: This table must be used in conjunction with the entire report.

XRF results continue on the next page.

^A NOTE: 1) Parking lots and Playgrounds are not in scope.

XRF SAMPLE ANALYSIS DATA				
Paddison Elementary School 12100 Crewe Street Norwalk, California 90650				
Location	Component	Substrate	Estimate Quantity	XRF Result Mg/cm²
100 Building				
Exterior, sides A & C above classroom doors	Transom	Wood	4 Total	1.6
Throughout exterior	Window frames	Metal	34 Window banks	2.2
Exterior, sides A & C	Overhangs and siding	Wood	1,500 Square Feet	3
Throughout exterior	Fascia	Wood	320 Linear Feet	2.2
400 Building				
Exterior, side A	Vent	Metal	4 Total	1.1
Exterior, side C above doors	Transom	Wood	8 Total	1.7
Exterior, side C	Window frames	Metal	16 Window banks	1.5
Exterior, sides A & C	Overhangs and siding	Wood	1,500 Square Feet	3
Throughout exterior	Fascia	Wood	360 Linear Feet	1
500 Building				
Exterior, side A	Vent	Metal	4 Total	0.9
Exterior, side C above doors	Transom	Wood	8 Total	2.3
Exterior, side C	Window frames	Metal	16 Window banks	1
Exterior, sides A & C	Overhangs and siding	Wood	1,500 Square Feet	1.9
Throughout exterior	Fascia	Wood	360 Linear Feet	1.7

Note: This table must be used in conjunction with the entire report.

XRF results continue on the next page.

XRF SAMPLE ANALYSIS DATA				
Paddison Elementary School 12100 Crewe Street Norwalk, California 90650				
Location	Component	Substrate	Estimate Quantity	XRF Result Mg/cm²
600 Building				
Exterior, side C above doors	Transom	Wood	8 Total	2.1
Exterior, side C	Window frames	Metal	16 Window banks	1.7
Exterior, sides A & C	Overhangs and siding	Wood	1,500 Square Feet	1.9
Throughout exterior	Fascia	Wood	360 Linear Feet	1.1
700 Building				
Exterior, side A	Vent	Metal	4 Total	0.9
Exterior, side C above doors	Transom	Wood	8 Total	1.7
Exterior, side C	Window frames	Metal	16 Window banks	1.8
Exterior, sides A & C	Overhangs and siding	Wood	1,500 Square Feet	2.3
Throughout exterior	Fascia	Wood	360 Linear Feet	2.1
Covered Walkway				
Throughout ceiling	Conduit	Metal	280 Linear Feet	2.9
County Day Care Center (Portable 807/808)				
Exterior, sides A thru D	Overhangs (cracked)	Wood	500 Square Feet	1.3
Lunch Shelter				
No regulated lead-based paint was identified on the exterior surfaces or components of Lunch Shelter.				
Library-Media Center				
No regulated lead-based paint was identified on the exterior surfaces or components of Library-Media Center.				

Note: This table must be used in conjunction with the entire report.

XRF results continue on the next page

XRF SAMPLE ANALYSIS DATA				
Paddison Elementary School 12100 Crewe Street Norwalk, California 90650				
Location	Component	Substrate	Estimate Quantity	XRF Result Mg/cm ²
Portables^B				
No regulated lead-based paint was identified on the exterior surfaces or components of 801, 802, 803, 804, 805, 806, 900, 901, 902				

Note: This table must be used in conjunction with the entire report.

V. CONCLUSIONS/RECOMMENDATIONS

EE conducted a limited lead-based paint inspection of permanent buildings, portables and covered walkway at Paddison Elementary School, located at 12100 Crewe Street, Norwalk, California 90650. The following conclusions and/or recommendations apply:

Limited Lead-Based Paint Inspection

- Exterior painted surfaces and components of the permanent buildings, portables and covered walkway at Paddison Elementary School were tested via the Niton XRF for the presence of lead.
- The items listed in the previous tables were identified as being coated with a regulated lead-based paint.
- The surfaces/components were observed to be in intact to poor condition during this inspection.
- A fully representative number of XRF readings were taken at the project site. The results of these assays are presented in the XRF Summary Results spreadsheets.

It is recommended that all renovation, remodelling, construction, or demolition actions that might potentially disturb surfaces covered with lead-based paint and/or ceramic glaze be performed by properly trained and qualified personnel.

VI. DISCLAIMER/REPORT LIMITATIONS

All reports and recommendations are based on conditions and practices observed and information made available to Executive Environmental (EE) by the client and the designated sites/facilities on the days sampling was conducted. This report does not purport to set forth all hazards, nor to indicate that other hazards do not exist. No responsibility is assumed by EE for the control or correction of conditions or practices existing at the facilities, or at any other premises surveyed by EE, for and on the behalf of the client. Services provided by EE shall be governed by the standard of practice for professional services measured at the time those services are rendered.

^B NOTE: 1) Metal windows frame, not coated.

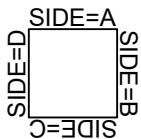
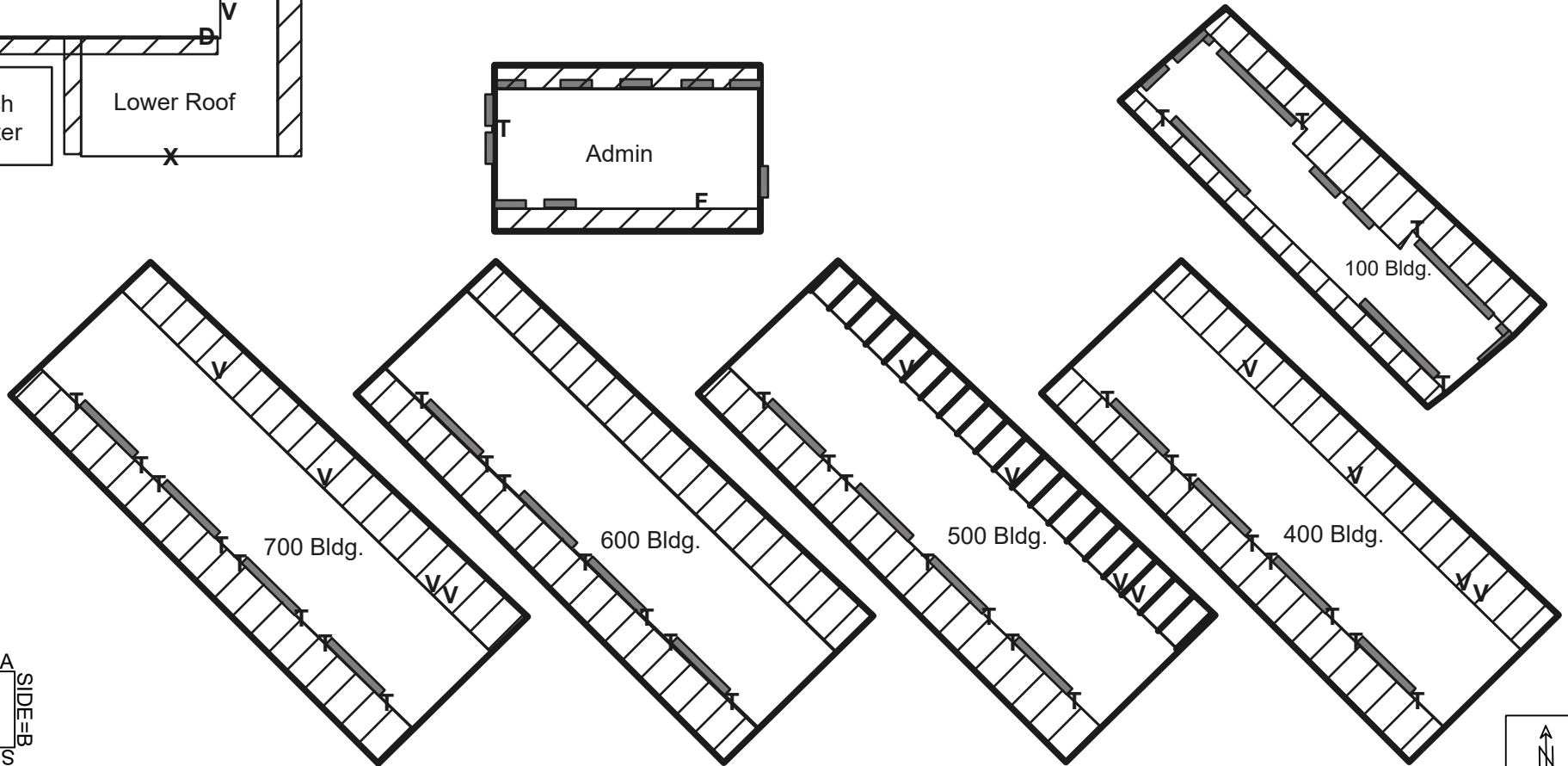
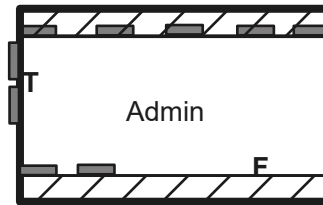
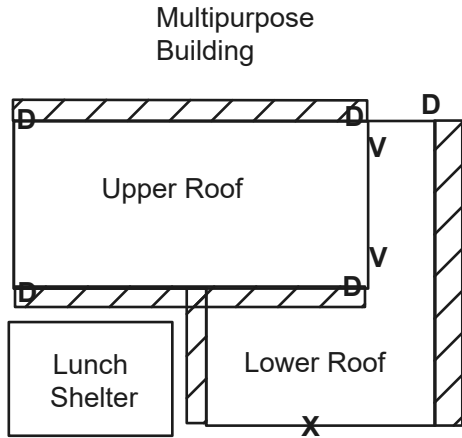
All information contained in this report is proprietary and limited to the scope of services, parameters of the analytical methods used and the conditions present at the time of this inspection. Any references to quantities are considered estimates and are not to be construed as actual.

APPENDIX A – SITE DRAWINGS

Site Map

Legend:

- V - Metal Vent
- D - Metal Downspout
- X - Metal Door
- F - Metal Door Frame
- T - Wood Transom
- Metal Window Frame
- Wood Overhang & Siding
- Wood Fascia



Client: Little Lake City SD

Project #: 23-Z0187-0061

Info: Lead-Based Paint Identified (Page 1 of 3)

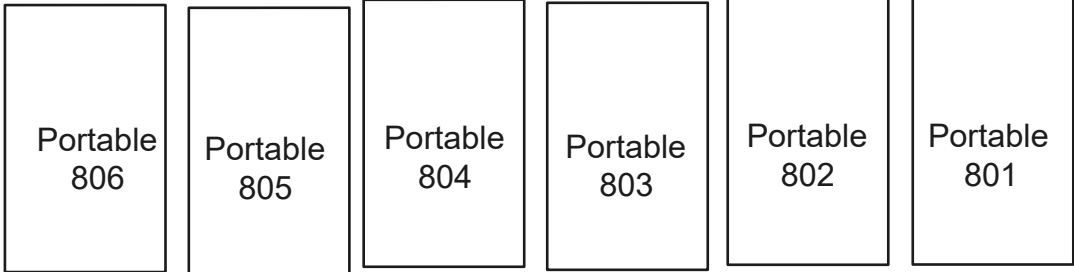


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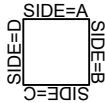
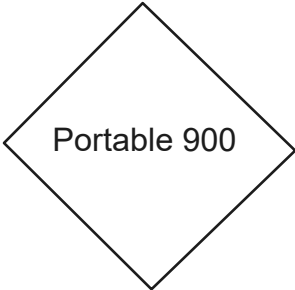
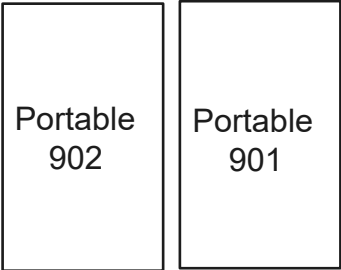
Site: Paddison ES
Address: 12100 Crewe Street
Norwalk, CA 90650

Drawing Not to Scale - © 2012

Site Map



Legend:



Client: Little Lake City SD

Project #: 23-Z0187-0061

Info: Lead-Based Paint Identified (Page 2 of 3)

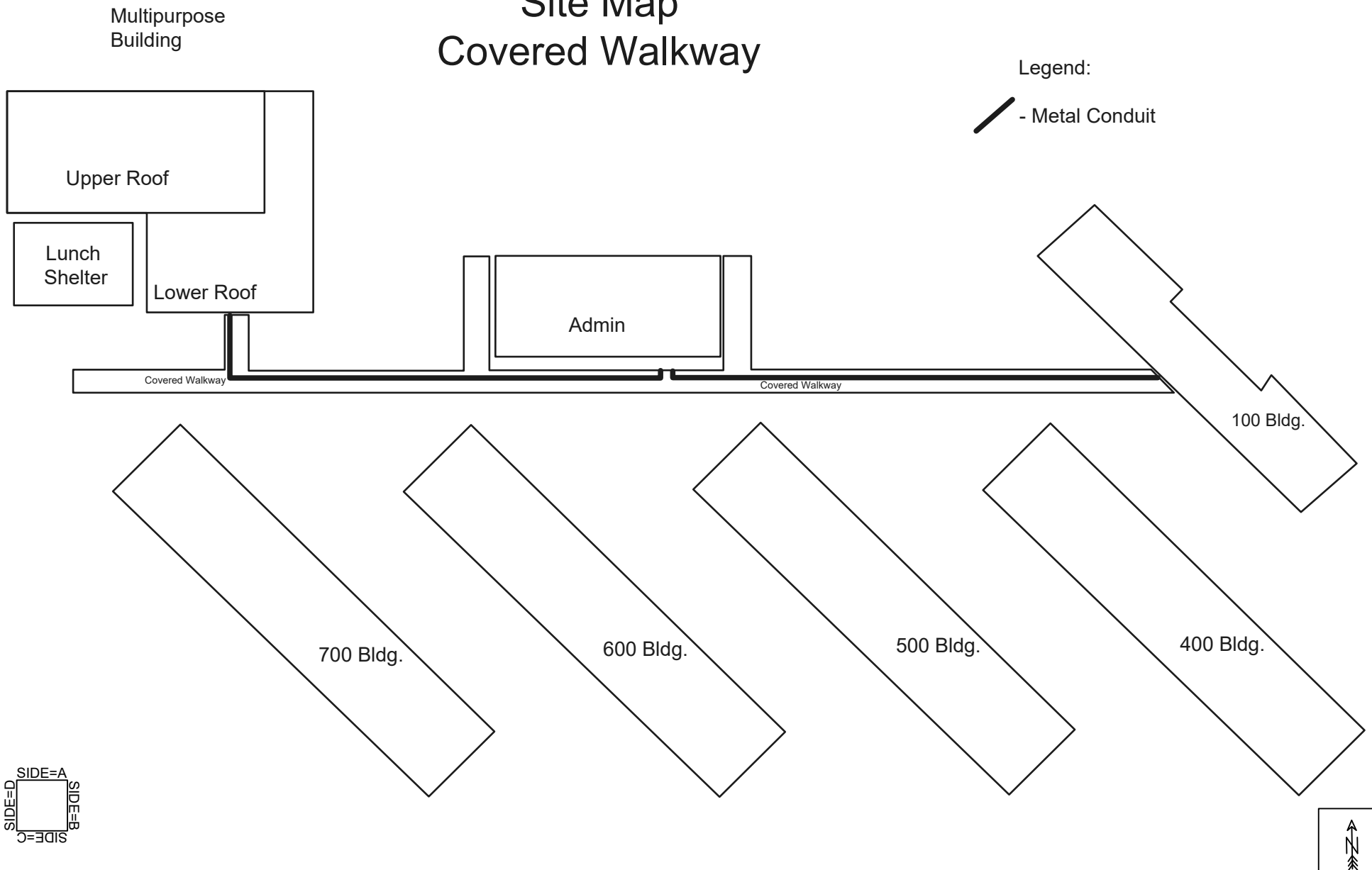


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Site: Paddison ES
Address: 12100 Crewe Street
Norwalk, CA 90650

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Site Map Covered Walkway



Client: Little Lake City SD

Project #: 23-Z0187-0061

Info: Lead-Based Paint Identified (Page 3 of 3)



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Site: Paddison ES
Address: 12100 Crewe Street
Norwalk, CA 90650

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APPENDIX B – XRF SUMMARY RESULTS

Little Lake City School District
Paddison Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
1	3/29/23	Paint			Shutter calibrate							0.73
2	3/29/23	Paint			Calibrate					Positive	0.7	0.8
3	3/29/23	Paint			Calibrate					Null	0.7	0.7
4	3/29/23	Paint			Calibrate					Positive	0.7	1
5	3/29/23	Paint			Calibrate					Null	0.7	< LOD
6	3/29/23	Paint			Calibrate					Positive	0.7	1
7	3/29/23	Paint			Calibrate					Positive	0.7	1
8	3/29/23	Paint			Calibrate		Calibrate			Positive	0.7	1
9	3/29/23	Paint	Administration Building	Exterior	Door	Metal	A	Intact	Blue	Negative	0.7	< LOD
10	3/29/23	Paint	Administration Building	Exterior	Door frame	Metal	A	Intact	Blue	Negative	0.7	< LOD
11	3/29/23	Paint	Administration Building	Exterior	Wall	Brick	A	Intact	Red	Negative	0.7	< LOD
12	3/29/23	Paint	Administration Building	Exterior	Window frame	Metal	A	Intact	Yellow	Positive	0.7	2.2
13	3/29/23	Paint	Administration Building	Exterior	Conduit	Metal	A	Intact	Red	Negative	0.7	< LOD
14	3/29/23	Paint	Administration Building	Exterior	Window panel	Wood	A	Intact	Yellow	Negative	0.7	< LOD
15	3/29/23	Paint	Administration Building	Exterior	Downspout	Metal	A	Intact	Red	Negative	0.7	< LOD
16	3/29/23	Paint	Administration Building	Exterior	Wall signage	Brick	A	Intact	Red	Negative	0.7	< LOD
17	3/29/23	Paint	Administration Building	Exterior	Wall signage	Brick	A	Intact	Gray	Negative	0.7	< LOD

Little Lake City School District
Paddison Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
18	3/29/23	Paint	Administration Building	Exterior	Conduit	Metal	A	Intact	Red	Negative	0.7	< LOD
19	3/29/23	Paint	Administration Building	Exterior	Paddison sign	Metal	A	Intact	Black	Negative	0.7	< LOD
20	3/29/23	Paint	Administration Building	Exterior	Overhang	Wood	A	Intact	Yellow	Null	0.7	0.8
21	3/29/23	Paint	Administration Building	Exterior	Overhang	Wood	A	Intact	Yellow	Negative	0.7	< LOD
22	3/29/23	Paint	Administration Building	Exterior	Overhang	Wood	A	Intact	Yellow	Positive	0.7	1.2
23	3/29/23	Paint	Administration Building	Exterior	Fascia	Wood	A	Intact	Blue	Positive	0.7	2
24	3/29/23	Paint	Administration Building	Exterior	Drip edge	Metal	A	Intact	Blue	Negative	0.7	< LOD
25	3/29/23	Paint	Administration Building	Exterior	Wall signage	Brick	A	Intact	Blue	Negative	0.7	< LOD
26	3/29/23	Paint	Administration Building	Exterior	Wall signage	Brick	A	Intact	Yellow	Null	0.7	< LOD
27	3/29/23	Paint	Administration Building	Exterior	Wall signage	Brick	A	Intact	Yellow	Negative	0.7	< LOD
28	3/29/23	Paint	Administration Building	Exterior	Transom	Wood	A	Intact	Yellow	Negative	0.7	0
29	3/29/23	Paint	Administration Building	Exterior	Floor stripe	Concrete	A	Intact	Yellow	Negative	0.7	0
30	3/29/23	Paint	Administration Building	Exterior	Wall	Brick	B	Intact	Red	Negative	0.7	0
31	3/29/23	Paint	Administration Building	Exterior	Door	Metal	B	Intact	Blue	Negative	0.7	0

Little Lake City School District
Paddison Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
32	3/29/23	Paint	Administration Building	Exterior	Door frame	Metal	B	Intact	Blue	Negative	0.7	0
33	3/29/23	Paint	Administration Building	Exterior	Transom	Wood	B	Intact	Yellow	Negative	0.7	0.24
34	3/29/23	Paint	Administration Building	Exterior	Window panel	Wood	B	Intact	Yellow	Negative	0.7	0
35	3/29/23	Paint	Administration Building	Exterior	Conduit	Metal	B	Intact	Red	Negative	0.7	0.09
36	3/29/23	Paint	Administration Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	0
37	3/29/23	Paint	Administration Building	Exterior	Conduit	Metal	C	Intact	Red	Negative	0.7	0.04
38	3/29/23	Paint	Administration Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	< LOD
39	3/29/23	Paint	Administration Building	Exterior	Door frame	Metal	C	Intact	Blue	Positive	0.7	0.8
40	3/29/23	Paint	Administration Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
41	3/29/23	Paint	Administration Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
42	3/29/23	Paint	Administration Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
43	3/29/23	Paint	Administration Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
44	3/29/23	Paint	Administration Building	Exterior	Downspout	Metal	C	Intact	Red	Negative	0.7	0.3
45	3/29/23	Paint	Administration Building	Exterior	Wall	Brick	D	Intact	Red	Negative	0.7	0

Little Lake City School District
Paddison Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
46	3/29/23	Paint	Administration Building	Exterior	Door	Metal	D	Intact	Blue	Negative	0.7	0
47	3/29/23	Paint	Administration Building	Exterior	Door frame	Metal	D	Intact	Blue	Negative	0.7	0
48	3/29/23	Paint	Administration Building	Exterior	Transom	Wood	D	Intact	Yellow	Null	0.7	2.9
49	3/29/23	Paint	Administration Building	Exterior	Transom	Wood	D	Intact	Yellow	Positive	0.7	2
50	3/29/23	Paint	Administration Building	Exterior	Wall	Concrete	D	Intact	Red	Negative	0.7	0
51	3/29/23	Paint	MPR Building	Exterior	Wall	Brick	A	Intact	Red	Negative	0.7	0
52	3/29/23	Paint	MPR Building	Exterior	Downspout	Metal	A	Intact	Red	Positive	0.7	0.9
53	3/29/23	Paint	MPR Building	Exterior	Window frame	Metal	A	Intact	Blue	Negative	0.7	0
54	3/29/23	Paint	MPR Building	Exterior	Door	Metal	A	Intact	Blue	Negative	0.7	0
55	3/29/23	Paint	MPR Building	Exterior	Door frame	Metal	A	Intact	Blue	Negative	0.7	0.5
56	3/29/23	Paint	MPR Building	Exterior	Door	Metal	B	Intact	Blue	Negative	0.7	0
57	3/29/23	Paint	MPR Building	Exterior	Door frame	Metal	B	Intact	Blue	Negative	0.7	0.29
58	3/29/23	Paint	MPR Building	Exterior	Window frame	Metal	B	Intact	Blue	Negative	0.7	0
59	3/29/23	Paint	MPR Building	Exterior	Door	Metal	B	Intact	Blue	Negative	0.7	0
60	3/29/23	Paint	MPR Building	Exterior	Door frame	Metal	B	Intact	Blue	Negative	0.7	0.5
61	3/29/23	Paint	MPR Building	Exterior	Overhang	Wood	B	Intact	Beige	Null	0.7	0.7
62	3/29/23	Paint	MPR Building	Exterior	Overhang	Wood	B	Intact	Beige	Positive	0.7	0.7
63	3/29/23	Paint	MPR Building	Exterior	Vent	Metal	B	Intact	Red	Negative	0.7	< LOD
64	3/29/23	Paint	MPR Building	Exterior	Gutter	Metal	B	Intact	Green	Negative	0.7	0
65	3/29/23	Paint	MPR Building	Exterior	Drip edge	Metal	B	Intact	Green	Negative	0.7	0
66	3/29/23	Paint	MPR Building	Exterior	Fascia	Wood	B	Intact	Green	Negative	0.7	0.5
67	3/29/23	Paint	MPR Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	0
68	3/29/23	Paint	MPR Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
69	3/29/23	Paint	MPR Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0.19

Little Lake City School District
Paddison Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
70	3/29/23	Paint	MPR Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
71	3/29/23	Paint	MPR Building	Exterior	Door frame	Metal	C	Intact	Blue	Positive	0.7	0.8
72	3/29/23	Paint			Calibrate					Positive	0.7	1
73	3/29/23	Paint			Calibrate					Positive	0.7	1
74	3/29/23	Paint			Calibrate					Positive	0.7	1
75	3/29/23	Paint	MPR Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	0
76	3/29/23	Paint	MPR Building	Exterior	Wall	Brick	D	Intact	Red	Negative	0.7	0
77	3/29/23	Paint	MPR Building	Exterior	Door	Metal	D	Intact	Blue	Negative	0.7	0
78	3/29/23	Paint	MPR Building	Exterior	Door frame	Metal	D	Intact	Blue	Negative	0.7	0.11
79	3/29/23	Paint	MPR Building	Exterior	Window frame	Metal	D	Intact	Blue	Negative	0.7	0
80	3/29/23	Paint	MPR Building	Exterior	Wall	Brick	D	Intact	Red	Negative	0.7	0
81	3/29/23	Paint	MPR Building	Exterior	Door	Metal	D	Intact	Blue	Negative	0.7	0
82	3/29/23	Paint	MPR Building	Exterior	Door frame	Metal	D	Intact	Blue	Negative	0.7	0.4
83	3/29/23	Paint	MPR Building	Exterior	Roll-up door	Metal	D	Intact	Gray	Negative	0.7	0
84	3/29/23	Paint	MPR Building	Exterior	Vent	Metal	C	Intact	Red	Null	0.7	0.13
85	3/29/23	Paint	MPR Building	Exterior	Vent	Metal	C	Intact	Red	Negative	0.7	< LOD
86	3/29/23	Paint	MPR Building	Exterior	Conduit	Metal	C	Intact	Red	Negative	0.7	0
87	3/29/23	Paint	MPR Building	Exterior	Fascia	Wood	C	Intact	Green	Negative	0.7	0.15
88	3/29/23	Paint	MPR Building	Exterior	Drip edge	Metal	C	Intact	Green	Negative	0.7	0
89	3/29/23	Paint	MPR Building	Exterior	Fascia	Wood	C	Intact	Green	Negative	0.7	0.5
90	3/29/23	Paint	MPR Building	Exterior	Gutter	Metal	C	Peeling	Green	Negative	0.7	0.01
91	3/29/23	Paint	MPR Building	Exterior	Fascia	Wood	B	Intact	Green	Negative	0.7	0.5
92	3/29/23	Paint	MPR Building	Exterior	Vent	Metal	B	Peeling	Red	Positive	0.7	1
93	3/29/23	Paint	MPR Building	Exterior	Fascia	Wood	B	Intact	Green	Negative	0.7	0.4
94	3/29/23	Paint	MPR Building	Exterior	Drip edge	Metal	B	Intact	Green	Negative	0.7	0
95	3/29/23	Paint	MPR Building	Exterior	Electrical box	Metal	B	Intact	Gray	Negative	0.7	0
96	3/29/23	Paint	MPR Building	Exterior	HVAC unit	Metal	Roof	Intact	Beige	Negative	0.7	0
97	3/29/23	Paint	MPR Building	Exterior	Vent	Metal	C	Intact	Red	Negative	0.7	0.17
98	3/29/23	Paint	MPR Building	Exterior	Conduit	Metal	C	Intact	Red	Negative	0.7	0

Little Lake City School District
Paddison Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
99	3/29/23	Paint	MPR Building	Exterior	Floor stripe	Concrete	C	Intact	Yellow	Negative	0.7	0
100	3/29/23	Paint	MPR Building	Exterior	Fascia	Wood	A	Intact	Green	Negative	0.7	0
101	3/29/23	Paint	MPR Building	Exterior	Drip edge	Metal	A	Intact	Green	Negative	0.7	0
102	3/29/23	Paint			Calibrate					Positive	0.7	1
103	3/29/23	Paint			Calibrate					Positive	0.7	1
104	3/29/23	Paint			Calibrate					Positive	0.7	1
105	3/30/23	Paint			Shutter calibrate							0.7
106	3/30/23	Paint			Calibrate					Positive	0.7	1.1
107	3/30/23	Paint			Calibrate					Positive	0.7	1
108	3/30/23	Paint			Calibrate					Positive	0.7	1
109	3/30/23	Paint	100 Building	Exterior	Door	Metal	A	Intact	Blue	Negative	0.7	< LOD
110	3/30/23	Paint	100 Building	Exterior	Door frame	Metal	A	Intact	Blue	Negative	0.7	< LOD
111	3/30/23	Paint	100 Building	Exterior	Door	Metal	A	Intact	Blue	Negative	0.7	< LOD
112	3/30/23	Paint	100 Building	Exterior	Door frame	Metal	A	Intact	Blue	Negative	0.7	< LOD
113	3/30/23	Paint	100 Building	Exterior	Transom	Wood	A	Intact	Beige	Positive	0.7	1.6
114	3/30/23	Paint	100 Building	Exterior	Wall	Brick	A	Intact	Red	Negative	0.7	< LOD
115	3/30/23	Paint	100 Building	Exterior	Window frame	Metal	A	Intact	Beige	Positive	0.7	2.2
116	3/30/23	Paint	100 Building	Exterior	Wall	Brick	B	Intact	Red	Negative	0.7	< LOD
117	3/30/23	Paint	100 Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	< LOD
118	3/30/23	Paint	100 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	< LOD
119	3/30/23	Paint	100 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	< LOD
120	3/30/23	Paint	100 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	< LOD
121	3/30/23	Paint	100 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	< LOD
122	3/30/23	Paint	100 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	< LOD
123	3/30/23	Paint	100 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	< LOD
124	3/30/23	Paint	100 Building	Exterior	Window panel	Wood	C	Intact	Red	Negative	0.7	< LOD
125	3/30/23	Paint	100 Building	Exterior	Floor stripe	Concrete	C	Intact	Yellow	Negative	0.7	< LOD
126	3/30/23	Paint	100 Building	Exterior	Vent	Metal	C	Intact	Red	Null	0.7	< LOD

Little Lake City School District
Paddison Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
127	3/30/23	Paint	100 Building	Exterior	Vent	Metal	C	Intact	Red	Negative	0.7	< LOD
128	3/30/23	Paint	100 Building	Exterior	Conduit	Metal	C	Intact	Red	Negative	0.7	< LOD
129	3/30/23	Paint	100 Building	Exterior	Electrical box	Metal	C	Intact	Red	Negative	0.7	< LOD
130	3/30/23	Paint	100 Building	Exterior	Electrical box	Metal	C	Intact	Red	Negative	0.7	< LOD
131	3/30/23	Paint	100 Building	Exterior	Conduit	Metal	C	Intact	Beige	Negative	0.7	< LOD
132	3/30/23	Paint	100 Building	Exterior	Overhang	Wood	C	Intact	Beige	Positive	0.7	3
133	3/30/23	Paint	100 Building	Exterior	Fascia	Wood	C	Intact	Green	Positive	0.7	2.2
134	3/30/23	Paint	100 Building	Exterior	Drip edge	Metal	C	Intact	Green	Negative	0.7	< LOD
135	3/30/23	Paint	100 Building	Exterior	Drip edge	Metal	A	Intact	Green	Negative	0.7	< LOD
136	3/30/23	Paint	100 Building	Exterior	Floor stripe	Concrete	A	Intact	Yellow	Negative	0.7	< LOD
137	3/30/23	Paint	400 Building	Exterior	Wall	Brick	A	Intact	Red	Negative	0.7	< LOD
138	3/30/23	Paint	400 Building	Exterior	Vent	Metal	A	Intact	Red	Positive	0.7	1.1
139	3/30/23	Paint	400 Building	Exterior	Wall	Brick	B	Intact	Red	Negative	0.7	< LOD
140	3/30/23	Paint	400 Building	Exterior	Window panel	Wood	B	Intact	Red	Negative	0.7	< LOD
141	3/30/23	Paint	400 Building	Exterior	Door	Metal	B	Intact	Blue	Negative	0.7	< LOD
142	3/30/23	Paint	400 Building	Exterior	Door frame	Metal	B	Intact	Blue	Negative	0.7	< LOD
143	3/30/23	Paint	400 Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	< LOD
144	3/30/23	Paint	400 Building	Exterior	Backpack hanger	Wood	C	Intact	White	Negative	0.7	< LOD
145	3/30/23	Paint	400 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	< LOD
146	3/30/23	Paint	400 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	< LOD
147	3/30/23	Paint	400 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	< LOD
148	3/30/23	Paint	400 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	< LOD
149	3/30/23	Paint	400 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	< LOD
150	3/30/23	Paint	400 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	< LOD
151	3/30/23	Paint	400 Building	Exterior	Wall	Stucco	C	Intact	Red	Negative	0.7	< LOD
152	3/30/23	Paint	400 Building	Exterior	Pipe	Metal	C	Intact	Red	Negative	0.7	< LOD
153	3/30/23	Paint	400 Building	Exterior	Window panel	Wood	C	Intact	Red	Negative	0.7	< LOD
154	3/30/23	Paint	400 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	< LOD
155	3/30/23	Paint	400 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	< LOD

Little Lake City School District
Paddison Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
156	3/30/23	Paint	400 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	< LOD
157	3/30/23	Paint	400 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	< LOD
158	3/30/23	Paint	400 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	< LOD
159	3/30/23	Paint	400 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	< LOD
160	3/30/23	Paint	400 Building	Exterior	Backpack hanger	Wood	C	Intact	Beige	Negative	0.7	< LOD
161	3/30/23	Paint	400 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	< LOD
162	3/30/23	Paint	400 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	< LOD
163	3/30/23	Paint	400 Building	Exterior	Pipe	Metal	C	Intact	Red	Negative	0.7	< LOD
164	3/30/23	Paint	400 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	< LOD
165	3/30/23	Paint	400 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	< LOD
166	3/30/23	Paint	400 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	< LOD
167	3/30/23	Paint	400 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	< LOD
168	3/30/23	Paint	400 Building	Exterior	Wall	Brick	D	Intact	Red	Negative	0.7	< LOD
169	3/30/23	Paint	400 Building	Exterior	Conduit	Metal	D	Intact	Red	Negative	0.7	< LOD
170	3/30/23	Paint	400 Building	Exterior	Conduit	Metal	D	Intact	Red	Negative	0.7	< LOD
171	3/30/23	Paint	400 Building	Exterior	Floor stripe	Concrete	C	Intact	Yellow	Negative	0.7	< LOD
172	3/30/23	Paint	400 Building	Exterior	Transom	Wood	C	Intact	Beige	Positive	0.7	1.7
173	3/30/23	Paint	400 Building	Exterior	Window frame	Metal	C	Intact	Beige	Positive	0.7	1.5
174	3/30/23	Paint	400 Building	Exterior	Overhang	Wood	C	Intact	Beige	Positive	0.7	3
175	3/30/23	Paint	400 Building	Exterior	Fascia	Wood	C	Intact	Green	Positive	0.7	1
176	3/30/23	Paint	400 Building	Exterior	Drip edge	Metal	C	Intact	Green	Negative	0.7	< LOD
177	3/30/23	Paint	400 Building	Exterior	Drip edge	Metal	B	Intact	Green	Negative	0.7	< LOD
178	3/30/23	Paint	400 Building	Exterior	Conduit	Metal	D	Intact	Green	Negative	0.7	< LOD
179	3/30/23	Paint	400 Building	Exterior	Drip edge	Metal	D	Intact	Green	Negative	0.7	< LOD
180	3/30/23	Paint	400 Building	Exterior	Conduit	Metal	D	Intact	Beige	Negative	0.7	0
181	3/30/23	Paint	500 Building	Exterior	Wall	Brick	A	Intact	Red	Negative	0.7	0
182	3/30/23	Paint	500 Building	Exterior	Conduit	Metal	C	Intact	Red	Negative	0.7	0
183	3/30/23	Paint	500 Building	Exterior	Pipe	Metal	A	Intact	Red	Negative	0.7	0.01
184	3/30/23	Paint	500 Building	Exterior	Vent	Metal	A	Intact	Red	Negative	0.7	0.01

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
185	3/30/23	Paint	500 Building	Exterior	Vent	Metal	A	Intact	Red	Positive	0.7	0.9
186	3/30/23	Paint	500 Building	Exterior	Wall	Brick	B	Intact	Red	Negative	0.7	0
187	3/30/23	Paint	500 Building	Exterior	Window panel	Wood	B	Peeling	Red	Negative	0.7	0
188	3/30/23	Paint	500 Building	Exterior	Door	Metal	B	Intact	Blue	Negative	0.7	0
189	3/30/23	Paint	500 Building	Exterior	Door frame	Metal	B	Intact	Blue	Negative	0.7	0
190	3/30/23	Paint	500 Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	0
191	3/30/23	Paint	500 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
192	3/30/23	Paint	500 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
193	3/30/23	Paint	500 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
194	3/30/23	Paint	500 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
195	3/30/23	Paint	500 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
196	3/30/23	Paint	500 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
197	3/30/23	Paint	500 Building	Exterior	Wall	Stucco	C	Intact	Red	Negative	0.7	0
198	3/30/23	Paint	500 Building	Exterior	Window panel	Wood	C	Intact	Red	Negative	0.7	0
199	3/30/23	Paint	500 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
200	3/30/23	Paint	500 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
201	3/30/23	Paint	500 Building	Exterior	Backpack hanger	Wood	C	Intact	Beige	Negative	0.7	0
202	3/30/23	Paint	500 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
203	3/30/23	Paint	500 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
204	3/30/23	Paint	500 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
205	3/30/23	Paint	500 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
206	3/30/23	Paint	500 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
207	3/30/23	Paint	500 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
208	3/30/23	Paint	500 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
209	3/30/23	Paint	500 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
210	3/30/23	Paint	500 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
211	3/30/23	Paint	500 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
212	3/30/23	Paint	500 Building	Exterior	Floor stripe	Concrete	C	Intact	Yellow	Negative	0.7	0
213	3/30/23	Paint	500 Building	Exterior	Wall	Brick	D	Intact	Red	Negative	0.7	0

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
214	3/30/23	Paint	500 Building	Exterior	Transom	Wood	C	Intact	Beige	Positive	0.7	2.3
215	3/30/23	Paint	500 Building	Exterior	Window frame	Metal	C	Intact	Beige	Positive	0.7	1
216	3/30/23	Paint	500 Building	Exterior	Overhang	Wood	C	Intact	Beige	Positive	0.7	1.9
217	3/30/23	Paint	500 Building	Exterior	Fascia	Wood	C	Intact	Green	Positive	0.7	1.7
218	3/30/23	Paint	500 Building	Exterior	Drip edge	Metal	C	Intact	Green	Negative	0.7	0
219	3/30/23	Paint	500 Building	Exterior	Drip edge	Metal	D	Intact	Green	Negative	0.7	0
220	3/30/23	Paint	500 Building	Exterior	Conduit	Metal	D	Intact	Green	Negative	0.7	0
221	3/30/23	Paint			Calibrate					Positive	0.7	0.9
222	3/30/23	Paint			Calibrate					Positive	0.7	1
223	3/30/23	Paint			Calibrate					Positive	0.7	0.9
224	3/30/23	Paint	600 Building	Exterior	Wall	Brick	A	Intact	Red	Negative	0.7	0
225	3/30/23	Paint	600 Building	Exterior	Conduit	Metal	A	Intact	Red	Negative	0.7	0
226	3/30/23	Paint	600 Building	Exterior	Conduit	Metal	A	Intact	Red	Negative	0.7	0
227	3/30/23	Paint	600 Building	Exterior	Vent	Metal	A	Intact	Red	Negative	0.7	0.24
228	3/30/23	Paint	600 Building	Exterior	Vent	Metal	A	Intact	Red	Null	0.7	0.4
229	3/30/23	Paint	600 Building	Exterior	Vent	Metal	A	Intact	Red	Null	0.7	0.5
230	3/30/23	Paint	600 Building	Exterior	Vent	Metal	A	Intact	Red	Negative	0.7	0.3
231	3/30/23	Paint	600 Building	Exterior	Wall	Brick	B	Intact	Red	Negative	0.7	0
232	3/30/23	Paint	600 Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	0
233	3/30/23	Paint	600 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
234	3/30/23	Paint	600 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
235	3/30/23	Paint	600 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
236	3/30/23	Paint	600 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
237	3/30/23	Paint	600 Building	Exterior	Wall	Stucco	C	Intact	Red	Negative	0.7	0
238	3/30/23	Paint	600 Building	Exterior	Pipe	Metal	C	Intact	Red	Negative	0.7	0
239	3/30/23	Paint	600 Building	Exterior	Wall panel	Wood	C	Intact	Red	Negative	0.7	0.01
240	3/30/23	Paint	600 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
241	3/30/23	Paint	600 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
242	3/30/23	Paint	600 Building	Exterior	Backpack hanger	Wood	C	Intact	Beige	Negative	0.7	0

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
243	3/30/23	Paint	600 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
244	3/30/23	Paint	600 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
245	3/30/23	Paint	600 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
246	3/30/23	Paint	600 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
247	3/30/23	Paint	600 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
248	3/30/23	Paint	600 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
249	3/30/23	Paint	600 Building	Exterior	Pipe	Metal	C	Intact	Red	Negative	0.7	0
250	3/30/23	Paint	600 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
251	3/30/23	Paint	600 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
252	3/30/23	Paint	600 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
253	3/30/23	Paint	600 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
254	3/30/23	Paint	600 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
255	3/30/23	Paint	600 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
256	3/30/23	Paint	600 Building	Exterior	Wall	Brick	D	Intact	Red	Negative	0.7	0.01
257	3/30/23	Paint	600 Building	Exterior	Door	Metal	D	Intact	Blue	Negative	0.7	0
258	3/30/23	Paint	600 Building	Exterior	Door frame	Metal	D	Intact	Blue	Negative	0.7	0
259	3/30/23	Paint	600 Building	Exterior	Floor stripe	Concrete	D	Intact	Yellow	Negative	0.7	0
260	3/30/23	Paint	600 Building	Exterior	Wall panel	Wood	D	Peeling	Red	Negative	0.7	0
261	3/30/23	Paint	600 Building	Exterior	Transom	Wood	C	Intact	Beige	Null	0.7	3.6
262	3/30/23	Paint	600 Building	Exterior	Transom	Wood	C	Intact	Beige	Positive	0.7	2.1
263	3/30/23	Paint	600 Building	Exterior	Window frame	Metal	C	Intact	Beige	Positive	0.7	1.7
264	3/30/23	Paint	600 Building	Exterior	Overhang	Wood	C	Intact	Beige	Positive	0.7	1.9
265	3/30/23	Paint	600 Building	Exterior	Fascia	Wood	C	Intact	Green	Positive	0.7	1.1
266	3/30/23	Paint	600 Building	Exterior	Drip edge	Metal	C	Intact	Green	Negative	0.7	0
267	3/30/23	Paint	600 Building	Exterior	Drip edge	Metal	D	Intact	Green	Negative	0.7	0
268	3/30/23	Paint	700 Building	Exterior	Wall	Brick	A	Intact	Red	Negative	0.7	0
269	3/30/23	Paint	700 Building	Exterior	Conduit	Metal	A	Intact	Red	Negative	0.7	0.01
270	3/30/23	Paint	700 Building	Exterior	Conduit	Metal	A	Intact	Red	Negative	0.7	0

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
271	3/30/23	Paint	700 Building	Exterior	Vent	Metal	A	Intact	Red	Null	0.7	1.2
272	3/30/23	Paint	700 Building	Exterior	Vent	Metal	A	Intact	Red	Null	0.7	0.9
273	3/30/23	Paint	700 Building	Exterior	Vent	Metal	A	Intact	Red	Positive	0.7	0.9
274	3/30/23	Paint	700 Building	Exterior	Wall	Brick	B	Intact	Red	Negative	0.7	0
275	3/30/23	Paint	700 Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	0
276	3/30/23	Paint	700 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
277	3/30/23	Paint	700 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
278	3/30/23	Paint	700 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
279	3/30/23	Paint	700 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
280	3/30/23	Paint	700 Building	Exterior	Wall	Stucco	C	Intact	Red	Negative	0.7	0
281	3/30/23	Paint	700 Building	Exterior	Wall panel	Wood	C	Intact		Null	0.7	0.13
282	3/30/23	Paint	700 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
283	3/30/23	Paint	700 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
284	3/30/23	Paint	700 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
285	3/30/23	Paint	700 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
286	3/30/23	Paint	700 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
287	3/30/23	Paint	700 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
288	3/30/23	Paint	700 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
289	3/30/23	Paint	700 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
290	3/30/23	Paint	700 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
291	3/30/23	Paint	700 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
292	3/30/23	Paint	700 Building	Exterior	Backpack hanger	Wood	C	Intact	Beige	Negative	0.7	0
293	3/30/23	Paint	700 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
294	3/30/23	Paint	700 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0.01
295	3/30/23	Paint	700 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
296	3/30/23	Paint	700 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
297	3/30/23	Paint	700 Building	Exterior	Wall	Brick	D	Intact	Red	Negative	0.7	0.01
298	3/30/23	Paint	700 Building	Exterior	Door	Metal	D	Intact	Blue	Negative	0.7	0
299	3/30/23	Paint	700 Building	Exterior	Door frame	Metal	D	Intact	Blue	Negative	0.7	0

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
300	3/30/23	Paint	700 Building	Exterior	Floor stripe	Concrete	D	Intact	Yellow	Negative	0.7	0
301	3/30/23	Paint	700 Building	Exterior	Transom	Wood	C	Intact	Beige	Positive	0.7	1.7
302	3/30/23	Paint	700 Building	Exterior	Window frame	Metal	C	Intact	Beige	Positive	0.7	1.8
303	3/30/23	Paint	700 Building	Exterior	Overhang	Wood	C	Intact	Beige	Positive	0.7	2.3
304	3/30/23	Paint	700 Building	Exterior	Fascia	Wood	C	Intact	Green	Null	0.7	2.3
305	3/30/23	Paint	700 Building	Exterior	Fascia	Wood	C	Intact	Green	Positive	0.7	2.1
306	3/30/23	Paint	700 Building	Exterior	Drip edge	Metal	C	Intact	Green	Negative	0.7	0
307	3/30/23	Paint	700 Building	Exterior	Drip edge	Metal	D	Intact	Green	Negative	0.7	0
308	3/30/23	Paint	Covered walkway	Exterior	Ceiling	Texture coat	Upper	Intact	Beige	Null	0.7	0
309	3/30/23	Paint	Covered walkway	Exterior	Ceiling	Texture coat	Upper	Intact	Beige	Negative	0.7	0.01
310	3/30/23	Paint	Covered walkway	Exterior	Ceiling beam	Metal	Upper	Intact	Beige	Null	0.7	0.02
311	3/30/23	Paint	Covered walkway	Exterior	Riser	Metal		Intact	Blue	Negative	0.7	0.12
312	3/30/23	Paint	Covered walkway	Exterior	Riser	Metal		Intact	Blue	Negative	0.7	0.25
313	3/30/23	Paint	Covered walkway	Exterior	Riser	Metal		Intact	Blue	Negative	0.7	0.17
314	3/30/23	Paint	Covered walkway	Exterior	Riser	Metal		Intact	Blue	Negative	0.7	0.18
315	3/30/23	Paint	Covered walkway	Exterior	Riser	Metal		Intact	Blue	Negative	0.7	0.18
316	3/30/23	Paint	Covered walkway	Exterior	Ceiling	Texture coat	Upper	Intact	Beige	Negative	0.7	0
317	3/30/23	Paint	Covered walkway	Exterior	Ceiling beam	Metal	Upper	Intact	Beige	Null	0.7	0.02
318	3/30/23	Paint	Covered walkway	Exterior	Ceiling beam	Metal	Upper	Intact	Beige	Negative	0.7	0.04
319	3/30/23	Paint	Covered walkway	Exterior	Ceiling	Texture coat	Upper	Intact	Beige	Null	0.7	0
320	3/30/23	Paint	Covered walkway	Exterior	Ceiling	Texture coat	Upper	Intact	Beige	Negative	0.7	0
321	3/30/23	Paint	Covered walkway	Exterior	Ceiling beam	Metal	Upper	Intact	Beige	Negative	0.7	0.3
322	3/30/23	Paint	Covered walkway	Exterior	Conduit	Metal	Upper	Intact	Beige	Null	0.7	2.7
323	3/30/23	Paint			Calibrate					Positive	0.7	1

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
324	3/30/23	Paint			Calibrate					Null	0.7	0.8
325	3/30/23	Paint			Calibrate					Positive	0.7	1
326	3/30/23	Paint			Calibrate					Positive	0.7	1
327	3/30/23	Paint			Calibrate					Positive	0.7	0.9
328	3/31/23	Paint			Shutter calibrate							0.8
329	3/31/23	Paint			Calibrate					Null	0.7	0.9
330	3/31/23	Paint			Calibrate					Positive	0.7	1
331	3/31/23	Paint			Calibrate					Positive	0.7	1
332	3/31/23	Paint			Calibrate					Positive	0.7	1
333	3/31/23	Paint	Covered walkway	Exterior	Gutter	Metal	Upper	Intact	Beige	Negative	0.7	< LOD
334	3/31/23	Paint	Covered walkway	Exterior	Conduit	Metal	Upper	Intact	Beige	Null	0.7	< LOD
335	3/31/23	Paint	Covered walkway	Exterior	Conduit	Metal	Upper	Intact	Beige	Positive	0.7	2.9
336	3/31/23	Paint	Covered walkway	Exterior	Drip edge	Metal	D	Intact	Beige	Negative	0.7	< LOD
337	3/31/23	Paint	Covered walkway	Exterior	Ceiling beam	Metal	Upper	Intact	Beige	Null	0.7	< LOD
338	3/31/23	Paint	Covered walkway	Exterior	Ceiling beam	Metal	Upper	Intact	Beige	Negative	0.7	< LOD
339	3/31/23	Paint	Covered walkway	Exterior	Roof coating	Metal	Roof	Intact	Gray	Negative	0.7	< LOD
340	3/31/23	Paint	Covered walkway	Exterior	Floor stripe	Concrete	Lower	Intact	Yellow	Negative	0.7	< LOD
341	3/31/23	Paint	Covered walkway	Exterior	Floor stripe	Concrete	Lower	Intact	Red	Negative	0.7	< LOD
342	3/31/23	Paint	Lunch shelter	Exterior	Riser	Metal	C	Peeling	Blue	Negative	0.7	< LOD
343	3/31/23	Paint	Lunch shelter	Exterior	Riser	Metal	A	Peeling	Blue	Negative	0.7	< LOD
344	3/31/23	Paint	Lunch shelter	Exterior	Riser	Metal	D	Peeling	Blue	Negative	0.7	< LOD
345	3/31/23	Paint	Lunch shelter	Exterior	Ceiling beam	Wood	Upper	Cracked	Beige	Negative	0.7	< LOD
346	3/31/23	Paint	Lunch shelter	Exterior	Ceiling	Wood	Upper	Intact	Beige	Negative	0.7	< LOD
347	3/31/23	Paint	Lunch shelter	Exterior	Ceiling beam	Wood	Upper	Cracked	Beige	Negative	0.7	< LOD
348	3/31/23	Paint	Lunch shelter	Exterior	Ceiling beam	Wood	Upper	Intact	Beige	Negative	0.7	< LOD
349	3/31/23	Paint	Lunch shelter	Exterior	Ceiling	Wood	Upper	Intact	Beige	Negative	0.7	< LOD
350	3/31/23	Paint	Library-Media Center	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	< LOD

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351	3/31/23	Paint	Library-Media Center	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	< LOD
352	3/31/23	Paint	Library-Media Center	Exterior	Door	Metal	B	Intact	Green	Negative	0.7	< LOD
353	3/31/23	Paint	Library-Media Center	Exterior	Door frame	Metal	B	Intact	Green	Negative	0.7	< LOD
354	3/31/23	Paint	Library-Media Center	Exterior	Door frame trim	Wood	B	Intact	Beige	Negative	0.7	< LOD
355	3/31/23	Paint	Library-Media Center	Exterior	Building frame	Metal	B	Intact	Beige	Negative	0.7	< LOD
356	3/31/23	Paint	Library-Media Center	Exterior	Door	Metal	B	Intact	Green	Negative	0.7	< LOD
357	3/31/23	Paint	Library-Media Center	Exterior	Door frame	Metal	B	Intact	Green	Negative	0.7	< LOD
358	3/31/23	Paint	Library-Media Center	Exterior	Door frame trim	Wood	B	Intact	Beige	Negative	0.7	< LOD
359	3/31/23	Paint	Library-Media Center	Exterior	Fascia	Metal	B	Intact	Green	Negative	0.7	< LOD
360	3/31/23	Paint	Library-Media Center	Exterior	Drip edge	Metal	B	Intact	White	Negative	0.7	< LOD
361	3/31/23	Paint	Library-Media Center	Exterior	Roof	Metal	Roof	Intact	White	Negative	0.7	< LOD
362	3/31/23	Paint	Library-Media Center	Exterior	Overhang	Wood	B	Intact	Beige	Negative	0.7	< LOD
363	3/31/23	Paint	Library-Media Center	Exterior	Downspout	Metal	D	Intact	Beige	Negative	0.7	< LOD
364	3/31/23	Paint	Library-Media Center	Exterior	Gutter	Metal	D	Intact	Green	Negative	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
365	3/31/23	Paint	Library-Media Center	Exterior	Conduit	Metal	D	Intact	Beige	Negative	0.7	< LOD
366	3/31/23	Paint	Library-Media Center	Exterior	Conduit	Metal	D	Intact	Beige	Negative	0.7	< LOD
367	3/31/23	Paint	Library-Media Center	Exterior	Fence	Wood	D	Intact	Green	Negative	0.7	< LOD
368	3/31/23	Paint	Library-Media Center	Exterior	Conduit	Metal	D	Intact	Beige	Negative	0.7	< LOD
369	3/31/23	Paint	Library-Media Center	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	< LOD
370	3/31/23	Paint	Portable 801	Exterior	Wall	Wood		Intact	Beige	Negative	0.7	< LOD
371	3/31/23	Paint	Portable 801	Exterior	Downspout	Metal	A	Intact	Beige	Negative	0.7	< LOD
372	3/31/23	Paint	Portable 801	Exterior	Conduit	Metal	A	Intact	Beige	Negative	0.7	< LOD
373	3/31/23	Paint	Portable 801	Exterior	Conduit	Metal	A	Intact	Beige	Negative	0.7	< LOD
374	3/31/23	Paint	Portable 801	Exterior	HVAC unit	Metal	A	Intact	Gray	Negative	0.7	< LOD
375	3/31/23	Paint	Portable 801	Exterior	Building frame	Metal	A	Intact	Beige	Negative	0.7	< LOD
376	3/31/23	Paint	Portable 801	Exterior	Pipe	Metal	A	Intact	Beige	Negative	0.7	< LOD
377	3/31/23	Paint	Portable 801	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	< LOD
378	3/31/23	Paint	Portable 801	Exterior	Conduit	Metal	B	Intact	Beige	Negative	0.7	< LOD
379	3/31/23	Paint	Portable 801	Exterior	Electrical box	Metal	B	Intact	Beige	Negative	0.7	< LOD
380	3/31/23	Paint	Portable 801	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	< LOD
381	3/31/23	Paint	Portable 801	Exterior	Door	Metal	C	Intact	Green	Negative	0.7	< LOD
382	3/31/23	Paint	Portable 801	Exterior	Door frame	Metal	C	Intact	Green	Negative	0.7	< LOD
383	3/31/23	Paint	Portable 801	Exterior	Door frame trim	Wood	C	Intact	Beige	Negative	0.7	< LOD
384	3/31/23	Paint	Portable 801	Exterior	Hand rail	Metal	C	Intact	Green	Negative	0.7	< LOD
385	3/31/23	Paint	Portable 801	Exterior	Ramp	Metal	C	Peeling	Green	Negative	0.7	< LOD
386	3/31/23	Paint	Portable 801	Exterior	Ramp siding	Wood	C	Intact	Beige	Negative	0.7	< LOD
387	3/31/23	Paint	Portable 801	Exterior	Ramp brace	Metal	C	Intact	Beige	Negative	0.7	< LOD
388	3/31/23	Paint	Portable 801	Exterior	Fascia	Metal	B	Intact	Green	Negative	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
389	3/31/23	Paint	Portable 801	Exterior	Drip edge	Metal	B	Intact	Green	Negative	0.7	< LOD
390	3/31/23	Paint	Portable 801	Exterior	Overhang	Wood	C	Intact	Beige	Null	0.7	< LOD
391	3/31/23	Paint	Portable 801	Exterior	Overhang	Wood	C	Intact	Beige	Negative	0.7	< LOD
392	3/31/23	Paint	Portable 801	Exterior	Gutter	Metal	C	Intact	Green	Negative	0.7	< LOD
393	3/31/23	Paint	Portable 801	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	< LOD
394	3/31/23	Paint	Portable 802	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	< LOD
395	3/31/23	Paint	Portable 802	Exterior	Downspout	Metal	A	Intact	Beige	Negative	0.7	< LOD
396	3/31/23	Paint	Portable 802	Exterior	Pipe	Metal	A	Intact	Beige	Negative	0.7	< LOD
397	3/31/23	Paint	Portable 802	Exterior	Conduit	Metal	A	Intact	Beige	Negative	0.7	< LOD
398	3/31/23	Paint	Portable 802	Exterior	HVAC unit	Metal	A	Intact	Gray	Negative	0.7	< LOD
399	3/31/23	Paint	Portable 802	Exterior	Building frame	Metal	A	Intact	Beige	Negative	0.7	< LOD
400	3/31/23	Paint	Portable 802	Exterior	Conduit	Metal	A	Intact	Beige	Negative	0.7	< LOD
401	3/31/23	Paint	Portable 802	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	< LOD
402	3/31/23	Paint	Portable 802	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	< LOD
403	3/31/23	Paint	Portable 802	Exterior	Electrical box	Metal	A	Intact	Beige	Negative	0.7	< LOD
404	3/31/23	Paint	Portable 802	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	< LOD
405	3/31/23	Paint	Portable 802	Exterior	Door	Metal	C	Intact	Green	Negative	0.7	< LOD
406	3/31/23	Paint	Portable 802	Exterior	Door frame	Metal	C	Intact	Green	Negative	0.7	< LOD
407	3/31/23	Paint	Portable 802	Exterior	Door frame trim	Wood	C	Intact	Beige	Negative	0.7	< LOD
408	3/31/23	Paint	Portable 802	Exterior	Hand rail	Metal	C	Intact	Green	Negative	0.7	< LOD
409	3/31/23	Paint	Portable 802	Exterior	Ramp	Metal	C	Peeling	Green	Negative	0.7	< LOD
410	3/31/23	Paint	Portable 802	Exterior	Ramp brace	Metal	C	Intact	Beige	Negative	0.7	< LOD
411	3/31/23	Paint	Portable 802	Exterior	Ramp siding	Wood	C	Intact	Beige	Negative	0.7	< LOD
412	3/31/23	Paint	Portable 802	Exterior	Fascia	Metal	C	Intact	Green	Negative	0.7	< LOD
413	3/31/23	Paint	Portable 802	Exterior	Gutter	Metal	C	Intact	Green	Negative	0.7	< LOD
414	3/31/23	Paint	Portable 802	Exterior	Drip edge	Metal	B	Intact	Green	Negative	0.7	< LOD
415	3/31/23	Paint	Portable 802	Exterior	Overhang	Wood	C	Intact	Beige	Negative	0.7	< LOD
416	3/31/23	Paint	Portable 803	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	< LOD
417	3/31/23	Paint	Portable 803	Exterior	Building frame	Metal	C	Intact	Beige	Negative	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
418	3/31/23	Paint	Portable 803	Exterior	Door	Metal	C	Intact	Green	Negative	0.7	< LOD
419	3/31/23	Paint	Portable 803	Exterior	Door frame	Metal	C	Intact	Green	Negative	0.7	< LOD
420	3/31/23	Paint	Portable 803	Exterior	Door frame trim	Wood	C	Intact	Beige	Negative	0.7	< LOD
421	3/31/23	Paint	Portable 803	Exterior	Downspout	Metal	C	Intact	Beige	Negative	0.7	< LOD
422	3/31/23	Paint	Portable 803	Exterior	Hand rail	Metal	C	Intact	Green	Negative	0.7	< LOD
423	3/31/23	Paint	Portable 803	Exterior	Ramp	Metal	C	Intact	Green	Negative	0.7	< LOD
424	3/31/23	Paint	Portable 803	Exterior	Ramp brace	Metal	C	Intact	Beige	Negative	0.7	< LOD
425	3/31/23	Paint	Portable 803	Exterior	Ramp siding	Wood	C	Intact	Beige	Negative	0.7	< LOD
426	3/31/23	Paint	Portable 803	Exterior	Fascia	Metal	C	Intact	Green	Negative	0.7	< LOD
427	3/31/23	Paint	Portable 803	Exterior	Gutter	Metal	C	Intact	Green	Negative	0.7	< LOD
428	3/31/23	Paint	Portable 803	Exterior	Drip edge	Metal	B	Intact	Green	Negative	0.7	< LOD
429	3/31/23	Paint	Portable 803	Exterior	Overhang	Wood	C	Intact	Beige	Negative	0.7	< LOD
430	3/31/23	Paint	Portable 803	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	< LOD
431	3/31/23	Paint	Portable 803	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	< LOD
432	3/31/23	Paint	Portable 803	Exterior	Conduit	Metal	A	Intact	Beige	Negative	0.7	< LOD
433	3/31/23	Paint	Portable 803	Exterior	Electrical box	Metal	A	Intact	Beige	Negative	0.7	< LOD
434	3/31/23	Paint	Portable 803	Exterior	HVAC unit	Metal	A	Intact	Gray	Negative	0.7	< LOD
435	3/31/23	Paint	Portable 803	Exterior	Conduit	Metal	A	Intact	Beige	Negative	0.7	< LOD
436	3/31/23	Paint	Portable 803	Exterior	Pipe	Metal	A	Intact	Beige	Negative	0.7	< LOD
437	3/31/23	Paint	Portable 803	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	< LOD
438	3/31/23	Paint	Portable 804	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	< LOD
439	3/31/23	Paint	Portable 804	Exterior	Pipe	Metal	A	Intact	Beige	Negative	0.7	< LOD
440	3/31/23	Paint	Portable 804	Exterior	Downspout	Metal	A	Intact	Beige	Negative	0.7	< LOD
441	3/31/23	Paint	Portable 804	Exterior	Conduit	Metal	A	Intact	Beige	Negative	0.7	< LOD
442	3/31/23	Paint	Portable 804	Exterior	HVAC unit	Metal	A	Intact	Gray	Negative	0.7	< LOD
443	3/31/23	Paint	Portable 804	Exterior	Building frame	Metal	A	Intact	Beige	Negative	0.7	< LOD
444	3/31/23	Paint	Portable 804	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	< LOD
445	3/31/23	Paint	Portable 804	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	< LOD
446	3/31/23	Paint	Portable 804	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
447	3/31/23	Paint	Portable 804	Exterior	Door	Metal	C	Intact	Green	Negative	0.7	< LOD
448	3/31/23	Paint	Portable 804	Exterior	Door frame	Metal	C	Intact	Green	Negative	0.7	< LOD
449	3/31/23	Paint	Portable 804	Exterior	Door frame trim	Wood	C	Intact	Beige	Negative	0.7	< LOD
450	3/31/23	Paint	Portable 804	Exterior	Hand rail	Metal	C	Intact	Green	Negative	0.7	< LOD
451	3/31/23	Paint	Portable 804	Exterior	Ramp	Metal	C	Intact	Green	Negative	0.7	< LOD
452	3/31/23	Paint	Portable 804	Exterior	Ramp brace	Metal	C	Intact	Beige	Null	0.7	< LOD
453	3/31/23	Paint	Portable 804	Exterior	Ramp brace	Metal	C	Intact	Beige	Negative	0.7	< LOD
454	3/31/23	Paint	Portable 804	Exterior	Ramp siding	Wood	C	Intact	Beige	Negative	0.7	< LOD
455	3/31/23	Paint	Portable 804	Exterior	Fascia	Metal	C	Intact	Green	Negative	0.7	< LOD
456	3/31/23	Paint	Portable 804	Exterior	Gutter	Metal	C	Intact	Green	Negative	0.7	< LOD
457	3/31/23	Paint	Portable 804	Exterior	Drip edge	Metal	B	Intact	Green	Negative	0.7	< LOD
458	3/31/23	Paint	Portable 804	Exterior	Overhang	Wood	C	Intact	Beige	Negative	0.7	< LOD
459	3/31/23	Paint	Portable 805	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	< LOD
460	3/31/23	Paint	Portable 805	Exterior	Building frame	Metal	C	Intact	Beige	Negative	0.7	0
461	3/31/23	Paint	Portable 805	Exterior	Door	Metal	C	Intact	Green	Negative	0.7	0
462	3/31/23	Paint	Portable 805	Exterior	Door frame	Metal	C	Intact	Green	Negative	0.7	0
463	3/31/23	Paint	Portable 805	Exterior	Door frame trim	Wood	C	Intact	Beige	Negative	0.7	0
464	3/31/23	Paint	Portable 805	Exterior	Downspout	Metal	C	Intact	Beige	Negative	0.7	0
465	3/31/23	Paint	Portable 805	Exterior	Hand rail	Metal	C	Intact	Green	Negative	0.7	0
466	3/31/23	Paint	Portable 805	Exterior	Ramp	Metal	C	Peeling	Green	Negative	0.7	0
467	3/31/23	Paint	Portable 805	Exterior	Ramp brace	Metal	C	Intact	Beige	Negative	0.7	0
468	3/31/23	Paint	Portable 805	Exterior	Ramp siding	Wood	C	Intact	Beige	Negative	0.7	0
469	3/31/23	Paint	Portable 805	Exterior	Fascia	Metal	C	Intact	Green	Negative	0.7	0
470	3/31/23	Paint	Portable 805	Exterior	Gutter	Metal	C	Intact	Green	Negative	0.7	0
471	3/31/23	Paint	Portable 805	Exterior	Drip edge	Metal	B	Intact	Green	Negative	0.7	0
472	3/31/23	Paint	Portable 805	Exterior	Overhang	Wood	C	Intact	Beige	Null	0.7	0
473	3/31/23	Paint	Portable 805	Exterior	Overhang	Wood	C	Intact	Beige	Negative	0.7	0
474	3/31/23	Paint	Portable 805	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	0
475	3/31/23	Paint	Portable 805	Exterior	Pipe	Metal	A	Intact	Beige	Negative	0.7	0

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
476	3/31/23	Paint	Portable 805	Exterior	Conduit	Metal	A	Intact	Beige	Negative	0.7	0
477	3/31/23	Paint	Portable 805	Exterior	HVAC unit	Metal	A	Intact	Gray	Negative	0.7	0
478	3/31/23	Paint	Portable 805	Exterior	Conduit	Metal	A	Intact	Beige	Negative	0.7	0.05
479	3/31/23	Paint	Portable 805	Exterior	Electrical box	Metal	A	Intact	Beige	Negative	0.7	0
480	3/31/23	Paint	Portable 805	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	0
481	3/31/23	Paint	Portable 805	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	0
482	3/31/23	Paint	Portable 806	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	0
483	3/31/23	Paint	Portable 806	Exterior	Building frame	Metal	A	Intact	Beige	Negative	0.7	0
484	3/31/23	Paint	Portable 806	Exterior	Downspout	Metal	A	Intact	Beige	Negative	0.7	0
485	3/31/23	Paint	Portable 806	Exterior	Conduit	Metal	A	Intact	Beige	Negative	0.7	0
486	3/31/23	Paint	Portable 806	Exterior	HVAC unit	Metal	A	Intact	Gray	Negative	0.7	0
487	3/31/23	Paint	Portable 806	Exterior	Conduit	Metal	A	Intact	Beige	Negative	0.7	0
488	3/31/23	Paint	Portable 806	Exterior	Electrical box	Metal	A	Intact	Beige	Negative	0.7	0
489	3/31/23	Paint	Portable 806	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	0
490	3/31/23	Paint	Portable 806	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	0
491	3/31/23	Paint	Portable 806	Exterior	Building frame	Metal	D	Intact	Beige	Negative	0.7	0
492	3/31/23	Paint	Portable 806	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	0
493	3/31/23	Paint	Portable 806	Exterior	Downspout	Metal	C	Intact	Beige	Negative	0.7	0
494	3/31/23	Paint	Portable 806	Exterior	Door	Metal	C	Intact	Green	Negative	0.7	0
495	3/31/23	Paint	Portable 806	Exterior	Door frame	Metal	C	Intact	Green	Negative	0.7	0
496	3/31/23	Paint	Portable 806	Exterior	Door frame trim	Wood	C	Intact	Beige	Negative	0.7	0
497	3/31/23	Paint	Portable 806	Exterior	Hand rail	Metal	C	Intact	Green	Negative	0.7	0
498	3/31/23	Paint	Portable 806	Exterior	Ramp	Metal	C	Intact	Green	Negative	0.7	0
499	3/31/23	Paint	Portable 806	Exterior	Ramp brace	Metal	C	Intact	Beige	Negative	0.7	0
500	3/31/23	Paint	Portable 806	Exterior	Ramp siding	Wood	C	Intact	Beige	Negative	0.7	0
501	3/31/23	Paint	Portable 806	Exterior	Fascia	Metal	C	Intact	Green	Negative	0.7	0
502	3/31/23	Paint	Portable 806	Exterior	Gutter	Metal	C	Intact	Green	Negative	0.7	0
503	3/31/23	Paint	Portable 806	Exterior	Drip edge	Metal	B	Intact	Green	Negative	0.7	0
504	3/31/23	Paint	Portable 806	Exterior	Overhang	Wood	C	Intact	Beige	Negative	0.7	0

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
505	3/31/23	Paint	Portable 900	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	0
506	3/31/23	Paint	Portable 900	Exterior	Wall	Wood	B	Poor	Beige	Negative	0.7	0
507	3/31/23	Paint	Portable 900	Exterior	Downspout	Metal	B	Intact	Beige	Negative	0.7	0
508	3/31/23	Paint	Portable 900	Exterior	Conduit	Metal	B	Intact	Beige	Negative	0.7	< LOD
509	3/31/23	Paint	Portable 900	Exterior	HVAC unit	Metal	B	Intact	Gray	Negative	0.7	0
510	3/31/23	Paint	Portable 900	Exterior	Conduit	Metal	B	Intact	Beige	Negative	0.7	0.01
511	3/31/23	Paint	Portable 900	Exterior	Electrical box	Metal	B	Intact	Beige	Negative	0.7	0
512	3/31/23	Paint	Portable 900	Exterior	Building frame	Metal	B	Intact	Beige	Negative	0.7	0
513	3/31/23	Paint	Portable 900	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	0
514	3/31/23	Paint	Portable 900	Exterior	Pipe	Metal	C	Intact	Beige	Negative	0.7	0
515	3/31/23	Paint	Portable 900	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	0
516	3/31/23	Paint	Portable 900	Exterior	Downspout	Metal	D	Intact	Beige	Negative	0.7	0
517	3/31/23	Paint	Portable 900	Exterior	Door	Plaster	D	Intact	Green	Negative	0.7	0
518	3/31/23	Paint	Portable 900	Exterior	Door frame	Metal	D	Intact	Green	Negative	0.7	0
519	3/31/23	Paint	Portable 900	Exterior	Door frame trim	Wood	D	Intact	Beige	Negative	0.7	0
520	3/31/23	Paint	Portable 900	Exterior	Hand rail	Metal	D	Intact	Green	Negative	0.7	0
521	3/31/23	Paint	Portable 900	Exterior	Fascia	Metal	D	Intact	Green	Null	0.7	0
522	3/31/23	Paint	Portable 900	Exterior	Fascia	Metal	D	Intact	Green	Negative	0.7	0
523	3/31/23	Paint	Portable 900	Exterior	Gutter	Metal	D	Intact	Green	Negative	0.7	0
524	3/31/23	Paint	Portable 900	Exterior	Drip edge	Metal	C	Intact	Green	Negative	0.7	0
525	3/31/23	Paint	Portable 900	Exterior	Overhang	Wood	D	Intact	Beige	Negative	0.7	0
526	3/31/23	Paint			Calibrate					Positive	0.7	0.9
527	3/31/23	Paint			Calibrate					Positive	0.7	1
528	3/31/23	Paint			Calibrate					Positive	0.7	0.9
529	3/31/23	Paint	Portable 900	Exterior	Ramp	Concrete	D	Intact	Gray	Negative	0.7	0
530	3/31/23	Paint	Portable 901	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	0
531	3/31/23	Paint	Portable 901	Exterior	Building frame	Metal	A	Intact	Beige	Negative	0.7	0
532	3/31/23	Paint	Portable 901	Exterior	Door	Metal	A	Intact	Green	Negative	0.7	0
533	3/31/23	Paint	Portable 901	Exterior	Door frame	Metal	A	Intact	Green	Negative	0.7	0

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
534	3/31/23	Paint	Portable 901	Exterior	Door frame trim	Wood	A	Intact	Beige	Negative	0.7	0
535	3/31/23	Paint	Portable 901	Exterior	Hand rail	Metal	A	Intact	Green	Negative	0.7	0
536	3/31/23	Paint	Portable 901	Exterior	Ramp	Metal	A	Peeling	Green	Negative	0.7	0
537	3/31/23	Paint	Portable 901	Exterior	Ramp brace	Metal	A	Intact	Beige	Negative	0.7	0
538	3/31/23	Paint	Portable 901	Exterior	Ramp siding	Wood	A	Intact	Beige	Negative	0.7	0
539	3/31/23	Paint	Portable 901	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	0
540	3/31/23	Paint	Portable 901	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	0
541	3/31/23	Paint	Portable 901	Exterior	Downspout	Metal	C	Intact	Beige	Negative	0.7	0
542	3/31/23	Paint	Portable 901	Exterior	Conduit	Metal	C	Intact	Beige	Negative	0.7	0
543	3/31/23	Paint	Portable 901	Exterior	HVAC unit	Metal	C	Intact	Gray	Negative	0.7	0
544	3/31/23	Paint	Portable 901	Exterior	Conduit	Metal	C	Intact	Beige	Negative	0.7	0
545	3/31/23	Paint	Portable 901	Exterior	Electrical box	Metal	C	Intact	Beige	Negative	0.7	0
546	3/31/23	Paint	Portable 901	Exterior	Pipe	Metal	C	Peeling	Beige	Negative	0.7	0
547	3/31/23	Paint	Portable 901	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	0
548	3/31/23	Paint	Portable 901	Exterior	Fascia	Metal	B	Intact	Green	Negative	0.7	0
549	3/31/23	Paint	Portable 901	Exterior	Eave	Metal	B	Intact	Green	Negative	0.7	0
550	3/31/23	Paint	Portable 901	Exterior	Overhang	Wood	A	Intact	Beige	Negative	0.7	0
551	3/31/23	Paint	Portable 901	Exterior	Gutter	Metal	C	Intact	Green	Negative	0.7	0
552	3/31/23	Paint	Portable 902	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	0
553	3/31/23	Paint	Portable 902	Exterior	Building frame	Metal	A	Intact	Beige	Negative	0.7	0
554	3/31/23	Paint	Portable 902	Exterior	Downspout	Metal	A	Intact	Beige	Negative	0.7	0
555	3/31/23	Paint	Portable 902	Exterior	Door	Metal	A	Intact	Green	Negative	0.7	0
556	3/31/23	Paint	Portable 902	Exterior	Door frame	Metal	C	Intact	Green	Negative	0.7	0
557	3/31/23	Paint	Portable 902	Exterior	Door frame trim	Wood	A	Intact	Beige	Negative	0.7	0
558	3/31/23	Paint	Portable 902	Exterior	Hand rail	Metal	A	Intact	Green	Negative	0.7	0
559	3/31/23	Paint	Portable 902	Exterior	Ramp	Metal	A	Intact	Green	Negative	0.7	0
560	3/31/23	Paint	Portable 902	Exterior	Ramp brace	Metal	A	Intact	Beige	Negative	0.7	0
561	3/31/23	Paint	Portable 902	Exterior	Ramp siding	Wood	A	Intact	Beige	Negative	0.7	0
562	3/31/23	Paint	Portable 902	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	0

Little Lake City School District
Paddison Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
563	3/31/23	Paint	Portable 902	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	0
564	3/31/23	Paint	Portable 902	Exterior	Conduit	Metal	C	Intact	Beige	Negative	0.7	0
565	3/31/23	Paint	Portable 902	Exterior	HVAC unit	Metal	C	Intact	Gray	Negative	0.7	0
566	3/31/23	Paint	Portable 902	Exterior	Conduit	Metal	C	Intact	Beige	Negative	0.7	0
567	3/31/23	Paint	Portable 902	Exterior	Electrical box	Metal	C	Intact	Beige	Negative	0.7	0
568	3/31/23	Paint	Portable 902	Exterior	Pipe	Metal	C	Peeling	Beige	Negative	0.7	0
569	3/31/23	Paint	Portable 902	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	0
570	3/31/23	Paint	Portable 902	Exterior	Fascia	Metal	A	Intact	Green	Negative	0.7	0
571	3/31/23	Paint	Portable 902	Exterior	Gutter	Metal	A	Intact	Green	Negative	0.7	0
572	3/31/23	Paint	Portable 902	Exterior	Overhang	Wood	A	Intact	Beige	Negative	0.7	0
573	3/31/23	Paint	Portable 902	Exterior	Drip edge	Metal	D	Intact	Green	Negative	0.7	0
574	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Wall	Stucco	A	Intact	Beige	Null	0.7	0
575	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Wall	Stucco	A	Intact	Beige	Negative	0.7	0
576	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Foundation	Drywall	A	Intact	Beige	Negative	0.7	0
577	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Door	Metal	A	Intact	Blue	Negative	0.7	0

Little Lake City School District
Paddison Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
578	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Door frame	Wood	A	Intact	Blue	Negative	0.7	0.08
579	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Hand rail	Metal	A	Intact	Blue	Negative	0.7	0.01
580	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Fence	Wood	A	Intact	Blue	Null	0.7	0
581	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Fence	Wood	A	Intact	Blue	Negative	0.7	0
582	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Floor stripe	Concrete	A	Intact	Yellow	Null	0.7	0
583	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Floor stripe	Concrete	A	Intact	Yellow	Negative	0.7	0
584	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Backpack hanger	Wood	A	Intact	Blue	Negative	0.7	0

Little Lake City School District
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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
585	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Vent frame	Wood	A	Intact	White	Negative	0.7	0
586	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Vent frame	Wood	A	Intact	Beige	Negative	0.7	0
587	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Floor stripe	Concrete	A	Intact	Red	Negative	0.7	0
588	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Fence	Wood	A	Intact	Blue	Negative	0.7	0
589	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Hand rail	Metal	A	Intact	Blue	Negative	0.7	0
590	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Door	Metal	A	Intact	Blue	Negative	0.7	0
591	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Door frame	Wood	A	Intact	Blue	Negative	0.7	0.14

Little Lake City School District
Paddison Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
592	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Wall	Stucco	A	Intact	Beige	Negative	0.7	0
593	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Window frame	Metal	A	Intact	Beige	Negative	0.7	0.01
594	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Window casing	Metal	A	Intact	Beige	Negative	0.7	0.16
595	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Window sill	Wood	A	Intact	Beige	Negative	0.7	0.02
596	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Floor stripe	Concrete	A	Peeling	Red	Negative	0.7	0
597	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Window casing	Metal	A	Intact	Beige	Negative	0.7	0.1
598	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Window sill	Metal	A	Intact	Beige	Null	0.7	0.12

Little Lake City School District
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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
599	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Window sill	Metal	A	Intact	Beige	Negative	0.7	0.02
600	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Window frame	Metal	A	Intact	Beige	Negative	0.7	0.03
601	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Conduit	Metal	A	Intact	Beige	Negative	0.7	0
602	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Fascia	Wood	A	Intact	Green	Negative	0.7	0.4
603	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Drip edge	Metal	A	Intact	Green	Negative	0.7	0
604	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Overhang	Wood	A	Intact	Beige	Null	0.7	0.4
605	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Overhang	Wood	A	Cracked	Beige	Negative	0.7	0.22

Little Lake City School District
Paddison Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
606	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Overhang beam	Wood	A	Intact	Beige	Negative	0.7	0.3
607	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Conduit	Metal	A	Intact	Beige	Negative	0.7	0
608	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Wall	Stucco	D	Intact	Beige	Negative	0.7	0
609	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	HVAC unit cage	Metal	D	Intact	Beige	Negative	0.7	0.01
610	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Conduit	Metal	D	Intact	Beige	Negative	0.7	0
611	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Vent frame	Wood	D	Peeling	Beige	Negative	0.7	0
612	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Foundation	Concrete	D	Intact	Beige	Null	0.7	0

Little Lake City School District
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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
613	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Foundation	Concrete	D	Intact	Beige	Negative	0.7	0
614	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Overhang	Wood	C	Cracked	Beige	Null	0.7	0.7
615	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Wall	Stucco	C	Intact	Beige	Negative	0.7	0.12
616	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Conduit	Metal	C	Intact	Beige	Negative	0.7	0.01
617	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Countertop	Metal	C	Intact	Beige	Null	0.7	0.2
618	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Conduit	Metal	C	Intact	Beige	Negative	0.7	0.07
619	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	HVAC unit cage	Metal	C	Intact	Beige	Negative	0.7	0

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
620	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Wall	Stucco	B	Intact	Beige	Negative	0.7	0
621	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Electrical box	Wood	B	Cracked	Beige	Negative	0.7	0
622	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Conduit	Metal	B	Intact	Beige	Negative	0.7	0
623	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Conduit	Metal	B	Intact	Beige	Negative	0.7	0.01
624	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Overhang	Wood	C	Cracked	Beige	Positive	0.7	1.3
625	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Overhang beam	Wood	C	Intact	Beige	Negative	0.7	0.11
626	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Window frame	Metal	C	Intact	Beige	Negative	0.7	0.01

Little Lake City School District
Paddison Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
627	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Window sill	Metal	C	Intact	Beige	Negative	0.7	0.17
628	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Window casing	Metal	C	Intact	Beige	Negative	0.7	0.01
629	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Vent	Metal	C	Intact	Beige	Negative	0.7	0
630	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Vent	Metal	B	Intact	Beige	Negative	0.7	0.06
631	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Fascia	Wood	B	Peeling	Green	Null	0.7	0.27
632	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Fascia	Wood	B	Peeling	Green	Negative	0.7	0.4
633	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Drip edge	Metal	B	Intact	Green	Negative	0.7	0

Little Lake City School District
Paddison Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
634	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Electrical box	Metal	B	Intact	Beige	Negative	0.7	0
635	3/31/23	Paint	Walkway	Exterior	Floor stripe	Concrete	Lower	Intact	White	Negative	0.7	0
636	3/31/23	Paint	Walkway	Exterior	Floor stripe	Concrete	Lower	Intact	Yellow	Negative	0.7	0
637	3/31/23	Paint			Calibrate					Positive	0.7	0.9
638	3/31/23	Paint			Calibrate					Positive	0.7	1
639	3/31/23	Paint			Calibrate					Positive	0.7	0.9
640	3/31/23	Paint			Calibrate					Positive	0.7	0.9

APPENDIX C – LEAD HAZARD EVALUATION REPORT

LEAD HAZARD EVALUATION REPORT

Section 1 – Date of Lead Hazard Evaluation 03/29/2023-03/31/2023

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)] 12100 Crewe Street		City Norwalk	County Los Angeles	Zip Code 90650
Construction date (year) of structure Unknown	Type of structure <input type="checkbox"/> Multi-unit building <input checked="" type="checkbox"/> School or daycare <input type="checkbox"/> Single family dwelling <input type="checkbox"/> Other _____	Children living in structure? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know		


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

Name Little Lake City School District (Brent Griffen)		Telephone number 562-868-8241		
Address [number, street, apartment (if applicable)] 10515 South Pioneer Blvd		City Santa Fe Springs	State CA	Zip Code 90670

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 Rhys Kuzmic		Telephone number 626-441-7050		
Address [number, street, apartment (if applicable)] 310 East Foothill Blvd. Suite 200		City Arcadia	State CA	Zip Code 91006
CDPH certification number 18093/LRC-00004395	Signature 		Date 03/31/2023	

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

Section 7 – Attachments

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

First copy and attachments retained by inspector
Second copy and attachments retained by owner

Third copy only (no attachments) mailed or faxed to:
California Department of Public Health
Childhood Lead Poisoning Prevention Branch Reports
850 Marina Bay Parkway, Building P, Third Floor
Richmond, CA 94804-6403
Fax: (510) 620-5656

APPENDIX D –XRF PERFORMANCE CHARACTERISTICS SHEET

Performance Characteristic Sheet

EFFECTIVE DATE: September 24, 2004

EDITION NO.: 1

MANUFACTURER AND MODEL:

Make: *Niton LLC*
 Tested Model: *XLP 300*
 Source: ¹⁰⁹Cd
 Note: This PCS is also applicable to the equivalent model variations indicated below, for the Lead-in-Paint K+L variable reading time mode, in the XLI and XLP series:

XLI 300A, XLI 301A, XLI 302A, and XLI 303A.
 XLP 300A, XLP 301A, XLP 302A, and XLP 303A
 XLI 700A, XLI 701A, XLI 702A, and XLI 703A
 XLP 700A, XLP 701A, XLP 702A, and XLP 703A

Note: The XLI and XLP versions refer to the shape of the handle part of the instrument. The differences in the model numbers reflect other modes available, in addition to Lead-in-Paint modes. The manufacturer states that specifications for these instruments are identical for the source, detector, and detector electronics relative to the Lead-in-Paint mode.

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Lead-in-Paint K+L variable reading time mode.

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm² (inclusive)

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm² in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm² film).

If readings are outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instruments into control before XRF testing proceeds.

SUBSTRATE CORRECTION:

For XRF results using Lead-in-Paint K+L variable reading time mode, substrate correction is not needed for:

Brick, Concrete, Drywall, Metal, Plaster, and Wood

INCONCLUSIVE RANGE OR THRESHOLD:

K & L MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm ²)
Results not corrected for substrate bias on any substrate	Brick	1.0
	Concrete	1.0
	Drywall	1.0
	Metal	1.0
	Plaster	1.0
	Wood	1.0

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated from the EPA/HUD evaluation using archived building components. Testing was conducted in August 2004 on 133 testing combinations. The instruments that were used to perform the testing had new sources; one instrument's was installed in November 2003 with 40 mCi initial strength, and the other's was installed June 2004 with 40 mCi initial strength.

OPERATING PARAMETERS:

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Substrate correction is not needed for brick, concrete, drywall, metal, plaster or wood when using Lead-in-Paint K+L variable reading time mode, the normal operating mode for these instruments. If substrate correction is desired, refer to Chapter 7 of the HUD Guidelines for guidance on correcting XRF results for substrate bias.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing. Use the K+L variable time mode readings.

Conduct XRF retesting at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below.

Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family housing a result is defined as the average of three readings. In multifamily housing, a result is a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF results.

Compute the average of all ten re-test XRF results.

Find absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to greater than the Retest Tolerance Limit a second time, then the inspection should be consider deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

For the Lead-in-Paint K+L variable reading time made, the instrument continues to re3ad until it is moved away from the testing surface, terminated by the user, or the instrument software indicates the reading is complete. The following table provides testing time information for this testing mode. The times have been adjusted for source decay, normalized to the initial source strengths as noted above. Source strength and type of substrate will affect actual testing times. At the time of testing, the instrument had source strengths of 26.6 and 36.6 mCi.

Testing Times Using K+L Reading Mode (Seconds)						
Substrate	All Data			Median for laboratory-measured lead levels (mg/cm ²)		
	25 th Percentile	Median	75 th Percentile	Pb<0.25	0.25≤Pb<1.0	1.0≤Pb
Wood Drywall	4	11	19	11	15	11
Metal	4	12	18	9	12	14
Brick Concrete Plaster	8	16	22	15	18	16

CLASSIFICATION RESULTS:

XRF results are classified as positive if they are greater than or equal to the threshold and negative if they are less than the threshold.

DOCUMENTATION:

A document titled *Methodology for XRF Performance Characteristic Sheets* provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges of thresholds for specific XRF instruments. For a copy of this document call the National lead Information Center Clearinghouse at 1-800-424-LEAD.

This XRF Performance Characteristic Sheet was developed by the Midwest Research Institute (MRI) and QuanTech, Inc., under a contract between MRI and the XRF manufacturer. HUD has determined that the information provided here is acceptable when used as guidance in conjunction with Chapter 7, Lead-Based Paint Inspection, of HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*.



Industrial Hygiene • Air Quality • Lead & Asbestos • Training • Health & Safety

LIMITED ASBESTOS INSPECTION REPORT

Conducted at:

PADDISON ELEMENTARY SCHOOL
EXTERIOR PAINTING AND MINOR REPAIR PROJECT
12100 CREWE STREET
NORWALK, CALIFORNIA 90650

Prepared for:


MR. BRENT GRIFFEN
DIRECTOR OF MAINTENANCE AND OPERATIONS AND CUSTODIAL SERVICES
LITTLE LAKE CITY SCHOOL DISTRICT
10515 SOUTH PIONEER BOULEVARD
SANTA FE SPRINGS, CALIFORNIA 90670

Prepared by:

EXECUTIVE ENVIRONMENTAL
310 EAST FOOTHILL BOULEVARD, SUITE 200
ARCADIA, CALIFORNIA 91006

Project Number EE 23-Z0187-0061
April 13, 2023

Report assembled by:


Yesenia G. Galeana
Technical Report Writer
Executive Environmental

Report generated/reviewed by:

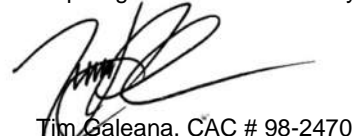

Tim Galeana, CAC # 98-2470
Senior Project Manager
Executive Environmental

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APPENDIX B – SITE DRAWING

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LIMITED ASBESTOS INSPECTION REPORT

Project Number: EE 23-Z0187-0061

Client: Little Lake City School District
10515 South Pioneer Boulevard
Santa Fe Springs, California 90670

Site Location: Paddison Elementary School
Exterior Painting and Minor Repair Project
12100 Crewe Street
Norwalk, California 90650

Site Use: School Property

Contact Person: Mr. Brent Griffen
Director of M&O and Custodial Services
Phone: (562) 868-8241

Inspection Date Between: March 27 thru 29, 2023

Inspected By: Mr. Rhys Kuzmic
Certified Asbestos Consultant, # 09-4586

Report Assembled By: Ms. Yesenia G. Galeana
Technical Report Writer

Report Generated/Reviewed By: Mr. Tim Galeana
Certified Asbestos Consultant, # 98-2470

I. EXECUTIVE SUMMARY

Executive Environmental (EE) provided the services of a Certified Asbestos Consultant (Rhys Kuzmic, No. 09-4586) to conduct a limited asbestos inspection of the permanent buildings, portables and covered walkway at Paddison Elementary School, located at 12100 Crewe Street, Norwalk, California 90650. The inspection was conducted as a precursor to the upcoming exterior Painting and Minor Repair Project. Asbestos-Containing Materials (ACM's) were identified during this inspection. *This is considered a limited inspection. The inspection was limited to materials anticipated to be impacted by the Exterior Painting and Minor Repair Project, as directed by the client.*

II. SAMPLING METHODOLOGY

A visual inspection of the permanent buildings, portables and covered walkways was conducted prior to the collection of any bulk samples. The visual inspection was conducted to identify and record the location and condition of the materials to be sampled. Following the visual inspection, bulk material samples of the identified suspect asbestos-containing building materials were collected. The materials were categorized

into homogeneous groupings, and each sample was assigned a unique sample number and placed into a sealed container.

Upon completion of the bulk sample collection, a chain of custody was prepared and the samples were delivered to the laboratory for analysis. AmeriSci of Carson, CA, analyzed the samples using Polarized Light Microscopy (PLM). AmeriSci is an accredited participant in the National Voluntary Laboratory Accreditation Program (NVLAP), No. 200346-0. The principles described in the current Environmental Protection Agency (EPA) 600 method were used in the preparation and analysis of the bulk samples.

III. SAMPLE ANALYSIS

One hundred and sixty-one (161) suspect asbestos-containing material samples were collected during this inspection. The laboratory analysis results are listed in the following table. Materials determined not to contain asbestos are listed as "No Asbestos Detected" (NAD).

Any material found to contain more than 1% of a known asbestos substance is considered an asbestos-containing material (ACM). Materials falling within this category are controlled and must be handled in accordance with the California Occupational Safety & Health Administration (Cal/OSHA), EPA, and South Coast Air Quality Management District (SCAQMD) regulations.

In addition, materials which are characterized as non-ACM by EPA or other local regulatory agencies may fall within the regulatory standards of Cal/OSHA, which further regulates any materials found to contain more than 1/10 of 1%, but 1% or less, of a known asbestos substance as asbestos-containing construction materials (ACCMs). Impacting or handling ACCMs requires special employer registration, documentation, training, and personal protective equipment. When a material is to be impacted, the National Emission Standards for Hazardous Air Pollutants (NESHAPs) regulations require further testing for materials that fall within this category.

The PLM analytical protocol requires each layer of the sample to be analyzed separately. The quantity of analyses will vary based on the number of layers in a sample and whether a "positive stop" is employed. When one sample of a homogeneous area is positive, the remainder of the samples need not be analyzed, because the entire homogeneous area must be considered positive.

**Sampling results begin on the next page.
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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Paddison Elementary School
12100 Crewe Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^A	Type ^B	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
100 Building										
1	Window putty	Throughout exterior side of windows	70 Square Feet	G	Misc.	No	0	2303270061RK-01	South wall	NAD ^C
								2303270061RK-02	East wall	NAD
								2303270061RK-03	North wall	NAD
2	Brick mortar	Throughout exterior walls	500 Square Feet	G	Surf.	No	0	2303270061RK-04	South wall	NAD
								2303270061RK-05	East wall	NAD
								2303270061RK-06	North wall	NAD
3	Sealant	Throughout exterior side of east windows at casing	5 Square Feet	G	Misc.	No	0	2303270061RK-07	East	2% Chrysotile
								2303270061RK-08	East	2% Chrysotile
								2303270061RK-09	East	2% Chrysotile
4	Roofing material (core sample)	Throughout rooftop	4,400 Square Feet	G	Misc.	No	0	2303270061RK-10	West	NAD
								2303270061RK-11	Near center	NAD
								2303270061RK-12	East	NAD
5	Roof mastic	Throughout rooftop at jacks, HVAC unit, flashing, penetrations, seams and patched areas	25 Square Feet	G	Misc.	No	0	2303270061RK-13	West at HVAC unit	NAD
								2303270061RK-14	Near center at roof jack	NAD
								2303270061RK-15	East at roof jack	NAD

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Sampling results continue on the next page.

^A G = Good; D = Damaged; SD = Severely Damaged

^B Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation

^C NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Paddison Elementary School
12100 Crewe Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^D	Type ^E	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
400 Building										
6	Window putty	Throughout exterior side of windows	35 Square Feet	G	Misc.	No	0	2303270061RK-16	South wall, west	NAD ^F
								2303270061RK-17	South wall, center	NAD
								2303270061RK-18	South wall, east	NAD
7	Brick mortar	Throughout exterior walls	600 Square Feet	G	Surf.	No	0	2303270061RK-19	North wall	NAD
								2303270061RK-20	South wall	NAD
								2303270061RK-21	East wall	NAD
8	Stucco	Exterior south wall at drinking fountain	20 Square Feet	G	Misc.	No	0	2303270061RK-22	South wall	NAD
								2303270061RK-23	South wall	NAD
								2303270061RK-24	South wall	NAD
9	Roofing material (core sample)	Throughout rooftop	6,000 Square Feet	G	Misc.	No	0	2303270061RK-25	West	NAD
								2303270061RK-26	Near center	NAD
								2303270061RK-27	East	NAD
10	Roof mastic	Throughout rooftop at jacks, HVAC unit, flashing, penetrations, seams and patched areas	65 Square Feet	G	Misc.	No	0	2303270061RK-28	West at roof jack	NAD
								2303270061RK-29	Near center at HVAC unit	NAD
								2303270061RK-30	East at roof jack	NAD

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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Paddison Elementary School
12100 Crewe Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^G	Type ^H	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
500 Building										
11	Window putty	Throughout exterior side of windows	35 Square Feet	G	Misc.	No	0	2303270061RK-31	South wall, west	NAD ^I
								2303270061RK-32	South wall, near center	NAD
								2303270061RK-33	South wall, east	NAD
12	Brick mortar	Throughout exterior walls	600 Square Feet	G	Surf.	No	0	2303270061RK-34	North wall	NAD
								2303270061RK-35	South wall	NAD
								2303270061RK-36	East wall	NAD
13	Stucco	Exterior south wall at drinking fountain	20 Square Feet	G	Misc.	No	0	2303270061RK-37	South wall	NAD
								2303270061RK-38	South wall	NAD
								2303270061RK-39	South wall	NAD
14	Roofing material (core sample)	Throughout rooftop	6,000 Square Feet	G	Misc.	No	0	2303270061RK-40	West	NAD
								2303270061RK-41	Near center	NAD
								2303270061RK-42	East	NAD
15	Roof mastic	Throughout rooftop at jacks, HVAC unit, flashing, penetrations, seams and patched areas	60 Square Feet	G	Misc.	No	0	2303270061RK-43	West at roof jack	NAD
								2303270061RK-44	Near center at HVAC unit	NAD
								2303270061RK-45	East at roof jack	NAD

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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Paddison Elementary School
12100 Crewe Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^J	Type ^K	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
600 Building										
16	Window putty	Throughout exterior side of windows	35 Square Feet	G	Misc.	No	0	2303270061RK-46	South wall, west	NAD ^L
								2303270061RK-47	South wall, near center	NAD
								2303270061RK-48	South wall, east	NAD
17	Brick mortar	Throughout exterior walls	600 Square Feet	G	Surf.	No	0	2303270061RK-49	North wall	NAD
								2303270061RK-50	South wall	NAD
								2303270061RK-51	East wall	NAD
19	Stucco	Exterior south wall at drinking fountain	20 Square Feet	G	Misc.	No	0	2303270061RK-52	South wall	NAD
								2303270061RK-53	South wall	NAD
								2303270061RK-54	South wall	NAD
20	Roofing material (core sample)	Throughout rooftop	6,000 Square Feet	G	Misc.	No	0	2303270061RK-55	West	NAD
								2303270061RK-56	Near center	NAD
								2303270061RK-57	East	NAD
21	Roof mastic	Throughout rooftop at jacks, HVAC unit, flashing, penetrations, seams and patched areas	55 Square Feet	G	Misc.	No	0	2303270061RK-58	West at roof jack	NAD
								2303270061RK-59	Near center at HVAC unit	NAD
								2303270061RK-60	East at roof jack	NAD

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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Paddison Elementary School
12100 Crewe Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^M	Type ^N	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
700 Building										
22	Window putty	Throughout exterior side windows	35 Square Feet	G	Misc.	No	0	2303270061RK-61	South wall, west	NAD ^O
								2303270061RK-62	South wall, near center	NAD
								2303270061RK-63	South wall, east	NAD
23	Brick mortar	Throughout exterior walls	600 Square Feet	G	Surf.	No	0	2303270061RK-64	North wall	NAD
								2303270061RK-65	South wall	NAD
								2303270061RK-66	East wall	NAD
24	Stucco	Exterior south wall at drinking fountain	20 Square Feet	G	Misc.	No	0	2303270061RK-67	South wall	NAD
								2303270061RK-68	South wall	NAD
								2303270061RK-69	South wall	NAD
25	Roofing material (core sample)	Throughout rooftop	6,000 Square Feet	G	Misc.	No	0	2303270061RK-70	West	NAD
								2303270061RK-71	Near center	NAD
								2303270061RK-72	East	NAD
26	Roof mastic	Throughout rooftop at jacks, HVAC unit, flashing, penetrations, seams and patched areas	55 Square Feet	G	Misc.	No	0	2303270061RK-73	West at roof jack	NAD
								2303270061RK-74	Near center at HVAC unit	NAD
								2303270061RK-75	East at roof jack	NAD

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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Paddison Elementary School
12100 Crewe Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^P	Type ^Q	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Administration Building										
27	Window putty	Throughout exterior side of windows	30 Square Feet	G	Misc.	No	0	2303280061RK-76	East wall	NAD ^R
								2303280061RK-77	South wall	NAD
								2303280061RK-78	West wall	NAD
28	Brick mortar	Throughout exterior walls	400 Square Feet	G	Surf.	No	0	2303280061RK-79	East wall	NAD
								2303280061RK-80	South wall	NAD
								2303280061RK-81	West wall	NAD
29	Roofing material (core sample)	Throughout rooftop	2,700 Square Feet	G	Misc.	No	0	2303280061RK-82	West	NAD
								2303280061RK-83	Near center	NAD
								2303280061RK-84	East	NAD
30	Roof penetration mastic	Throughout rooftop at jacks, conduit blocks, flashing, penetrations, seams and patched areas	25 Square Feet	G	Misc.	No	0	2303280061RK-85	West at roof jack	NAD
								2303280061RK-86	Near center at roof jack	NAD
								2303280061RK-87	East at conduit block	NAD

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^Q Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation
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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Paddison Elementary School
12100 Crewe Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^s	Type ^T	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
MPR Building										
31	Brick mortar	Throughout exterior walls	1,500 Square Feet	G	Surf.	No	0	2303280061RK-88	West wall	NAD ^U
								2303280061RK-89	South wall	NAD
								2303280061RK-90	East wall	NAD
								2303280061RK-91	South upper wall	NAD
								2303280061RK-92	East upper wall	NAD
32	Caulking	Throughout exterior side of windows	20 Square Feet	G	Misc.	No	0	2303280061RK-93	West wall	NAD
								2303280061RK-94	South wall	NAD
								2303280061RK-95	East wall	NAD
33	Roofing material (core sample)	Throughout lower rooftop	3,900 Square Feet	G	Misc.	No	0	2303280061RK-96	Northwest	NAD
								2303280061RK-97	Southeast	NAD
								2303280061RK-98	Northeast	NAD
34	Roof mastic	Throughout lower rooftop at jacks, HVAC units/ducts, flashing, penetrations, seams and patched areas	35 Square Feet	G	Misc.	No	0	2303280061RK-99	Near center at HVAC unit	NAD
								2303280061RK-100	North of roof jack	NAD
								2303280061RK-101	North wall flashing	NAD

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Sampling results continue on the next page.

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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Paddison Elementary School
12100 Crewe Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^v	Type ^w	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
MPR Building										
35	White roofing coating	Lower rooftop at select roof jacks and patched areas	18 Square Feet	G	Misc.	No	0	2303280061RK-102	Northwest at roof jack	NAD ^x
								2303280061RK-103	South at roof jack	NAD
								2303280061RK-104	Southeast at roof jack	NAD
36	Roofing material (core sample)	Throughout upper rooftop	4,000 Square Feet	G	Misc.	No	0	2303280061RK-105	West	NAD
								2303280061RK-106	Near center	NAD
								2303280061RK-107	East	NAD
37	Roof mastic	Throughout upper rooftop at jacks, HVAC units, flashing, gutters, penetrations, seams and patched areas	15 Square Feet	G	Misc.	No	0	2303280061RK-108	North-center at roof jack	NAD
								2303280061RK-109	East-center at HVAC unit	NAD
								2303280061RK-110	East-center at roof jack	NAD

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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Paddison Elementary School
12100 Crewe Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^Y	Type ^Z	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Library/Media Center Building^{AA}										
38	Roof mastic/sealant/caulking	Throughout rooftop at jacks, and patched areas	60 Square Feet	G	Misc.	No	0	2303280061RK-111	North at roof jack	NAD ^{BB}
								2303280061RK-112	Center at roof jack	NAD
								2303280061RK-113	Southeast patched area	NAD

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Sampling results continue on the next page

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^Z Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation

^{AA} NOTE: 1) Wood T-111 siding. 2) No window putty. 3) Wall caulking at metal seams is not anticipated to be impacted by Painting Project. 4) Metal roof panels

^{BB} NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Paddison Elementary School
12100 Crewe Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{CC}	Type ^{DD}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Portables^{EE}										
39	Roof mastic/caulking (on metal roof)	Portable 801: Rooftop at penetrations & patched areas	25 Square Feet	G	Misc.	No	0	2303280061RK-114	South at patched area	2% Chrysotile
								2303280061RK-115	Near center at patched area	2% Chrysotile
								2303280061RK-116	North at penetration	NAD ^{FF}
40	Roof caulking (on metal roof)	Portable 802: Rooftop at penetrations, patched areas of gutters	7 Square Feet	G	Misc.	No	0	2303280061RK-117	South at penetration	NAD
								2303280061RK-118	Center at penetration	NAD
								2303280061RK-119	North at penetration	NAD
41	Roof caulking (on metal roof)	Portable 803: Rooftop at penetrations, patched areas of gutters	7 Square Feet	G	Misc.	No	0	2303280061RK-120	South at penetration	NAD
								2303280061RK-121	Center at penetration	NAD
								2303280061RK-122	North at penetration	NAD
42	Roof caulking (on metal roof)	Portable 804: Rooftop at penetrations, patched areas of gutters	7 Square Feet	G	Misc.	No	0	2303280061RK-123	South at penetration	NAD
								2303280061RK-124	Center at penetration	NAD
								2303280061RK-125	North at penetration	NAD
43	Roof caulking (on metal roof)	Portable 805: Rooftop at penetration, patched areas of gutters	7 Square Feet	G	Misc.	No	0	2303280061RK-126	South at penetration	NAD
								2303280061RK-127	Center at penetration	NAD
								2303280061RK-128	North at penetration	NAD
44	Roof caulking (on metal roof)	Portable 806: Rooftop at penetration, patched areas of gutters	7 Square Feet	G	Misc.	No	0	2303280061RK-129	South at penetration	NAD
								2303280061RK-130	Center at penetration	NAD
								2303280061RK-131	South at penetration	NAD

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^{DD} Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation

^{EE} NOTES Portables: 1) Wood T-111 siding. 2) No window putty. 3) Wall caulking at metal seams is not anticipated to be impacted by Painting Project.

^{FF} NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Paddison Elementary School
12100 Crewe Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{GG}	Type ^{HH}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
County Day Care Center (Portable 807/808)										
45	Roof shingles and felt underlayment	Throughout rooftop	1,450 Square Feet	G	Misc.	No	<1	2303280061RK-132	East	Layers 1 & 2: NAD ^{II}
								2303280061RK-133	Center	Layers 1 & 2: NAD
								2303280061RK-134	West	Layers 1 & 2: NAD
46	Roof mastic	Rooftop at roof jacks, penetrations and patched areas	8 Square Feet	G	Misc.	No	0	2303280061RK-135	West at roof jack	NAD
								2303280061RK-136	Center at patched area	2% Chrysotile
								2303280061RK-137	East at roof jack	NAD

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POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Paddison Elementary School
12100 Crewe Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{JJ}	Type ^{KK}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
County Day Care Center (Portable 807/808)										
47	Stucco	Throughout exterior walls	1,800 Square Feet	G	Surf.	No	<1	2303280061RK-138	West wall	<1% chrysotile ^{LL} 1000-Pt. Ct.: <0.1% chrysotile
								2303280061RK-139	South wall, west end	<1% chrysotile 1000-Pt. Ct.: <0.1% chrysotile
								2303280061RK-140	South wall, east end	<1% chrysotile 1000-Pt. Ct.: <0.1% chrysotile
								2303280061RK-141	East wall	<1% chrysotile 1000-Pt. Ct.: <0.1% chrysotile
								2303280061RK-142	North wall, east end	<1% chrysotile 1000-Pt. Ct.: <0.1% chrysotile

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^{LL} Samples 138 through 142 that had a result of less than 1% chrysotile via PLM analysis were further analyzed via the 1000-point count gravimetric method. The analysis by 1000-point count analysis revealed that under Cal/OSHA regulations the stucco is a non-regulated material.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Paddison Elementary School
12100 Crewe Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{MM}	Type ^{NN}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Portables^{OO}										
48	Roof mastic/caulking (on metal roof)	Portable 900: Rooftop at penetration, patched areas and patched areas of gutters	15 Square Feet	G	Misc.	No	0	2303290061RK-143	South at patched area	NAD ^{PP}
								2303290061RK-144	Center at penetration	NAD
								2303290061RK-145	North at patched area	NAD
49	Roof sealant/mastic/caulking (on metal roof)	Portable 901: Rooftop at roof jacks, penetration, patched areas and patched areas of gutters	13 Square Feet	G	Misc.	No	0	2303290061RK-146	Southwest at roof jack	NAD
								2303290061RK-147	Center at penetration	NAD
								2303290061RK-148	North at penetration	NAD
50	Roof caulking (on metal roof)	Portable 902: Rooftop at penetration, patched areas and patched areas of gutters	7 Square Feet	G	Misc.	No	0	2303290061RK-149	South at penetration	NAD
								2303290061RK-150	Center at penetration	NAD
								2303290061RK-151	North at penetration	NAD

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Sampling results continues on the next page.

^{MM} G = Good; D = Damaged; SD = Severely Damaged

^{NN} Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation

^{OO} NOTES Portables: 1) Wood T-111 siding. 2) No window putty. 3) Wall caulking at metal seams at not anticipated to be impacted by Painting Project.

^{PP} NAD = No Asbestos Detected.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Paddison Elementary School
12100 Crewe Street
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition ^{QQ}	Type ^{RR}	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Covered Walkway										
51	Roofing coating material (on metal roof)	Throughout rooftop	2,600 Square Feet	G	Misc.	No	0	2303290061RK-152	East by 100 Building	20% Chrysotile
								2303290061RK-153	East side of Administration Building	20% Chrysotile
								2303290061RK-154	South of Administration Building	20% Chrysotile
								2303290061RK-155	West	20% Chrysotile
								2303290061RK-156	South of MPR Building	20% Chrysotile
52	Texture coat	Throughout ceilings and ceilings beams	2,600 Square Feet	G	Misc.	No	0	2303290061RK-157	South of MPR Building	Layer 1: NAD ^{SS}
										Layer 2: 12% Chrysotile
								2303290061RK-158	West	NAD
								2303290061RK-159	West of Administration Building	Layer 1: NAD
										Layer 2: 12% Chrysotile
								2303290061RK-160	South of Administration Building	Layer 1: NAD
2303290061RK-161	East of Administration Building	Layer 2: 12% Chrysotile								
		2% Chrysotile								

Note: This table must be used in conjunction with the entire report. This document is not to be used for contract bidding and is intended to be used to identify asbestos-containing materials and their locations only.

^{QQ} G = Good; D = Damaged; SD = Severely Damaged
^{RR} Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation
^{SS} NAD = No Asbestos Detected.

IV. FINDINGS

EE conducted a limited asbestos inspection of the permanent buildings, portables and covered walkways at Paddison Elementary School, located at 12100 Crewe Street, Norwalk, California 90650.

Fifty-two (52) homogeneous material groups were identified during the visual property inspection. One hundred and sixty-one (161) samples of suspect asbestos-containing materials were collected and delivered to AmeriSci of Carson, CA for analysis. The homogeneous areas and sampling results are listed on the table in Section III.

The analytical data revealed that the following material contain asbestos:

100 Building:

- **Sealant:** The sealant located throughout the exterior side of the east windows at casing tested positive for asbestos content.

Portables:

- **Roof mastic/caulking:** The roof mastic/caulking located at rooftop of Portable 801 (metal roof) at penetrations and patched areas tested positive for asbestos content.

County Day Care Center (Potable 807/808):

- **Roof mastic:** The roof mastic located at rooftop at roof jacks, penetration and patched areas tested positive for asbestos content.

Covered Walkways:

- **Roofing coating material:** The roofing coating material located throughout the rooftop tested positive for asbestos content.
- **Texture coat:** The texture coat located throughout the ceilings and ceilings beams tested positive for asbestos content.

V. CONCLUSIONS/RECOMMENDATIONS

Normally, asbestos-containing material found to be in good condition is not considered a hazard, unless it is disturbed. Prior to the start of any activity, such as remodeling, demolition, or renovation, that might disturb this material, a Certified Asbestos Consultant should be contracted to design and monitor the project. A California-licensed asbestos contractor should be hired to complete the asbestos abatement procedures.

If you have any questions, please call Mr. Tim Galeana at 626-441-7050. We are glad we could be of service to you.

VI. DISCLAIMER/REPORT LIMITATIONS

All reports and recommendations are based on conditions and practices observed and information made available to Executive Environmental (EE) by the client and the designated sites/facilities on the days sampling was conducted. This report does not purport to set forth all hazards, nor to indicate that other hazards do not exist. No responsibility is assumed by EE for the control or correction of conditions or practices existing at the facilities, or at any other premises surveyed by EE, for and on the behalf of the client. Services provided by EE shall be governed by the standard of practice for professional services measured at the time those services are rendered.

All information contained in this report is proprietary and limited to the scope of services, parameters of the analytical methods used and the conditions present at the time of this inspection. Any references to quantities are considered estimates and are not to be construed as actual.

APPENDIX A – LABORATORY ANALYSIS REPORT



Please Reply To:

AmeriSci Los Angeles

24416 S. Main Street, Ste 308

Carson, California 90745

TEL: (310) 834-4868 • FAX: (310) 834-4772

LABORATORY ELECTRONIC TRANSMITTAL

To: Yesenia Galeana
Executive Environmental Services Corporatio

Fax #:

Email: info@execenv.com, ygaleana@execenv.com

From: Thu M. Nguyen

AmeriSci Job #: 923031505

Subject: PLM 5 day Results

Client Project: 23-Z0187-0061; Building 100, 400, 500, 600, 700, Administration, MPR, Library / Media Center, Portable 801, 802, 803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902, Covered Walkway,

Date: Wednesday, April 5, 2023

Time: 15:58:36

Comments:

Number of Pages: _____
(including cover sheet)

NOTE: Attached report is to be considered preliminary until final review with accompanying analysis summary letter is issued.

CONFIDENTIALITY NOTICE: Unless otherwise indicated, the information contained in this communication is confidential information intended for use of the individual named above. If the reader of this communication is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is prohibited. If you have received this communication in error, please immediately notify the sender by telephone and return the original message to the above address via the US Postal Service at our expense. Samples are disposed of in 60 days or unless otherwise instructed by the protocol or special instructions in writing. Thank you.

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AmeriSci Los Angeles

24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

PLM Bulk Asbestos Report

Executive Environmental Services Corpor
Attn: Yesenia Galeana
310 East Foothill Blvd.
Suite 200
Arcadia, CA 91006

Date Received 03/30/23
Date Examined 03/31/23

AmeriSci Job # 923031505
P.O. #
Page 1 of 29

RE: 23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270061RK-01 Location: Exterior, South Wall / Exterior Window Putty / T-O Exterior Windows Analyst Description: Gray, Homogeneous, Non-Fibrous, Window Putty Asbestos Types: Other Material: Non-fibrous 100%	923031505-01	No	NAD (by CVES) by Thu M. Nguyen on 03/31/23
2303270061RK-02 Location: Exterior, East Wall / Exterior Window Putty Analyst Description: Gray, Homogeneous, Non-Fibrous, Window Putty Asbestos Types: Other Material: Non-fibrous 100%	923031505-02	No	NAD (by CVES) by Thu M. Nguyen on 03/31/23
2303270061RK-03 Location: Exterior, North Wall / Exterior Window Putty Analyst Description: Gray, Homogeneous, Non-Fibrous, Window Putty Asbestos Types: Other Material: Non-fibrous 100%	923031505-03	No	NAD (by CVES) by Thu M. Nguyen on 03/31/23
2303270061RK-04 Location: Exterior, South Wall / Brick Mortar / T-O Exterior Walls Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Mortar Asbestos Types: Other Material: Non-fibrous 100%	923031505-04	No	NAD (by CVES) by Thu M. Nguyen on 03/31/23
2303270061RK-05 Location: Exterior, East Wall / Brick Mortar Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Mortar Asbestos Types: Other Material: Non-fibrous 100%	923031505-05	No	NAD (by CVES) by Thu M. Nguyen on 03/31/23

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270061RK-06 Location: Exterior, North Wall / Brick Mortar	923031505-06	No	NAD (by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-07 Location: Exterior, East Window Casing / Exterior Sealant At Window Casing / Exterior East Window	923031505-07	Yes	2% (by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Sealant			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303270061RK-08 Location: Exterior, East Window Casing / Exterior Sealant At Window Casing	923031505-08	Yes	2% (by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Sealant			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303270061RK-09 Location: Exterior, East Window Casing / Exterior Sealant At Window Casing	923031505-09	Yes	2% (by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Sealant			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303270061RK-10 Location: Roof, West / Roof Core / T-O Roof	923031505-10	No	NAD (by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 5%, Fibrous glass 15%, Non-fibrous 80%			
2303270061RK-11 Location: Roof, Near Center / Roof Core / T-O Roof	923031505-11	No	NAD (by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 5%, Fibrous glass 15%, Non-fibrous 80%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270061RK-12	923031505-12	No	NAD
Location: Roof, East / Roof Core / T-O Roof			(by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Silver/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 5%, Fibrous glass 15%, Non-fibrous 80%			
2303270061RK-13	923031505-13	No	NAD
Location: Roof, West At HVAC Unit / Roof Mastic / T-O Roof Jacks, HVAC Units, And Patched Areas			(by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Silver/Black, Homogeneous, Non-Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-14	923031505-14	No	NAD
Location: Roof, Near Center At Roof Jack / Roof Mastic			(by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Silver/Black, Homogeneous, Non-Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-15	923031505-15	No	NAD
Location: Roof, East At Roof Jack / Roof Mastic			(by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Silver/Black, Homogeneous, Non-Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-16	923031505-16	No	NAD
Location: Exterior, South Wall - West / Exterior Window Putty / T-O Exterior Windows			(by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Window Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-17	923031505-17	No	NAD
Location: Exterior, South Wall - Center / Exterior Window Putty			(by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Window Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270061RK-18	923031505-18	No	NAD
Location: Exterior, South Wall - East / Exterior Window Putty			(by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Window Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-19	923031505-19	No	NAD
Location: Exterior, North Wall / Brick Mortar			(by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Red/Grey, Heterogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-20	923031505-20	No	NAD
Location: Exterior, South Wall / Brick Mortar			(by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-21	923031505-21	No	NAD
Location: Exterior, East Wall / Brick Mortar			(by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-22	923031505-22	No	NAD
Location: Exterior, South Wall / Exterior Stucco / Exterior South Wall At Drinking Fountains			(by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Red/Grey, Heterogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-23	923031505-23	No	NAD
Location: Exterior, South Wall / Exterior Stucco			(by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Red/Grey, Heterogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270061RK-24 Location: Exterior, South Wall / Exterior Stucco	923031505-24	No	NAD (by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Red/Grey, Heterogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-25 Location: Roof, West / Roof Core / T-O Roof	923031505-25	No	NAD (by CVES) by Thu M. Nguyen on 03/31/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303270061RK-26 Location: Roof, Near Center / Roof Core	923031505-26	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303270061RK-27 Location: Roof, East / Roof Core	923031505-27	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303270061RK-28 Location: Roof, West At Roof Jack / Roof Mastic / T-O Roof Jacks, HVAC Units And Patched Areas Bldg 400	923031505-28	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 5%, Non-fibrous 95%			
2303270061RK-29 Location: Roof, Near Center At HVAC Unit / Roof Mastic	923031505-29	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Black, Heterogeneous, Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 5%, Non-fibrous 95%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270061RK-30 Location: Roof, East At Roof Jack / Roof Mastic	923031505-30	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Black, Heterogeneous, Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 5%, Non-fibrous 95%			
2303270061RK-31 Location: Exterior, South Wall - West / Exterior Window Putty / T-O Exterior Windows Building 500	923031505-31	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: White, Heterogeneous, Non-Fibrous, Window Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-32 Location: Exterior, South Wall - Near Center / Exterior Window Putty	923031505-32	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: White, Heterogeneous, Non-Fibrous, Window Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-33 Location: Exterior, South Wall - East / Exterior Window Putty	923031505-33	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: White, Heterogeneous, Non-Fibrous, Window Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-34 Location: Exterior, North Wall / Brick Mortar / T-O Exterior Walls	923031505-34	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Red Gray, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-35 Location: Exterior, South Wall / Brick Mortar	923031505-35	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Red Gray, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270061RK-36	923031505-36	No	NAD
Location: Exterior, East Wall / Brick Mortar			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Red Gray, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-37	923031505-37	No	NAD
Location: Exterior, South Wall / Exterior Stucco / Exterior South Wall At Drinking Fountains			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Pink/Grey, Heterogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-38	923031505-38	No	NAD
Location: Exterior, South Wall / Exterior Stucco /			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Pink/Grey, Heterogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-39	923031505-39	No	NAD
Location: Exterior, South Wall / Exterior Stucco /			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Pink/Grey, Heterogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-40	923031505-40	No	NAD
Location: Roof, West / Roof Core / T-O Roof			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303270061RK-41	923031505-41	No	NAD
Location: Roof, Near Center / Roof Core			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270061RK-42	923031505-42	No	NAD
Location: Roof, East / Roof Core			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303270061RK-43	923031505-43	No	NAD
Location: Roof, West At Roof Jack / Roof Mastic / T-O Roof Jacks, HVAC Units And Patched Areas			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Black, Heterogeneous, Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 5%, Non-fibrous 95%			
2303270061RK-44	923031505-44	No	NAD
Location: Roof, Near Center At HVAC Unit / Roof Mastic			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Black, Heterogeneous, Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 5%, Non-fibrous 95%			
2303270061RK-45	923031505-45	No	NAD
Location: Roof, East At Roof Jack / Roof Mastic			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Black, Heterogeneous, Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 5%, Non-fibrous 95%			
2303270061RK-46	923031505-46	No	NAD
Location: Exterior, South Wall - West / Exterior Window Putty / T-O Exterior Windows			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Grey, Homogeneous, Fibrous, Window Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-47	923031505-47	No	NAD
Location: Exterior, South Wall - Near Center / Exterior Window Putty			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Window Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270061RK-48	923031505-48	No	NAD
Location: Exterior, South Wall - East / Exterior Window Putty			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Window Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-49	923031505-49	No	NAD
Location: Exterior - North Wall / Brick Mortar / T-O Exterior Walls			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Red Gray, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-50	923031505-50	No	NAD
Location: Exterior - South Wall / Brick Mortar			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Red Gray, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-51	923031505-51	No	NAD
Location: Exterior - East Wall / Brick Mortar			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Red Gray, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-52	923031505-52	No	NAD
Location: Exterior, South Wall / Exterior Stucco / Exterior South Wall At Drinking Fountains			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Pink/Grey, Heterogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-53	923031505-53	No	NAD
Location: Exterior, South Wall / Exterior Stucco			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Pink/Grey, Heterogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270061RK-54 Location: Exterior, South Wall / Exterior Stucco	923031505-54	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Pink/Grey, Heterogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-55 Location: Roof, West / Roof Core / T-O Roof	923031505-55	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303270061RK-56 Location: Roof, Near Center / Roof Core	923031505-56	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303270061RK-57 Location: Roof, East / Roof Core	923031505-57	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303270061RK-58 Location: Roof, West At Roof Jack / Roof Mastic / T-O Roof Jacks, HVAC Units And Patched Areas Building 600	923031505-58	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Silver/Black, Homogeneous, Non-Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 3%, Non-fibrous 97%			
2303270061RK-59 Location: Roof, Near Center At HVAC Unit / Roof Mastic	923031505-59	No	NAD (by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Silver/Black, Heterogeneous, Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 3%, Non-fibrous 97%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270061RK-60	923031505-60	No	NAD
Location: Roof, East At Roof Jack / Roof Mastic			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Silver/Black, Heterogeneous, Non-Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 3%, Non-fibrous 97%			
2303270061RK-61	923031505-61	No	NAD
Location: Exterior, South Wall - West / Exterior Window Putty / T-O Exterior Windows			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Window Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-62	923031505-62	No	NAD
Location: Exterior, South Wall - Near Center / Exterior Window Putty			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Window Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-63	923031505-63	No	NAD
Location: Exterior, South Wall - East / Exterior Window Putty			(by CVES) by Thu M. Nguyen on 04/01/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Window Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-64	923031505-64	No	NAD
Location: Exterior, North Wall / Brick Mortar / T-O Exterior Walls			(by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Red Gray, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-65	923031505-65	No	NAD
Location: Exterior, South Wall / Brick Mortar			(by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Red Gray, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270061RK-66 Location: Exterior, East Wall / Brick Mortar	923031505-66	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Red Gray, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-67 Location: Exterior, South Wall / Exterior Stucco / Exterior South Wall At Drinking Fountains	923031505-67	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Pink Gray, Heterogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-68 Location: Exterior, South Wall / Exterior Stucco	923031505-68	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Pink Gray, Heterogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-69 Location: Exterior, South Wall / Exterior Stucco	923031505-69	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Pink Gray, Heterogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303270061RK-70 Location: Roof, West / Roof Core / T-O Roof	923031505-70	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303270061RK-71 Location: Roof, Near Center / Roof Core	923031505-71	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303270061RK-72 Location: Roof, East / Roof Core	923031505-72	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303270061RK-73 Location: Roof, West At Roof Jack / Roof Mastic / T-O Roof Jacks, HVAC Units And Patched Areas	923031505-73	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Black, Homogeneous, Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 3%, Non-fibrous 97%			
2303270061RK-74 Location: Roof, Near Center At HVAC Unit / Roof Mastic	923031505-74	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Black, Heterogeneous, Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 3%, Non-fibrous 97%			
2303270061RK-75 Location: Roof, East At Roof Jack / Roof Mastic	923031505-75	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Black, Heterogeneous, Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 3%, Non-fibrous 97%			
2303280061RK-76 Location: Exterior, East Wall / Exterior Window Putty / T-O Exterior Window	923031505-76	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Window Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-77 Location: Exterior, South Wall / Exterior Window Putty	923031505-77	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Window Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280061RK-78 Location: Exterior, West Wall / Exterior Window Putty	923031505-78	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Window Putty			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-79 Location: Exterior, East Wall / Brick Mortar / T-O Exterior Walls	923031505-79	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Red Gray, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-80 Location: Exterior, South Wall / Brick Mortar	923031505-80	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Red Gray, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-81 Location: Exterior, West Wall / Brick Mortar	923031505-81	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Red Gray, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-82 Location: Roof, West / Roof Core / T-O Roof	923031505-82	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303280061RK-83 Location: Roof, Near Center / Roof Core	923031505-83	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280061RK-84 Location: Roof, East / Roof Core	923031505-84	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303280061RK-85 Location: Roof, West At Roof Jack / Roof Mastic / T-O Roof Jacks, Conduit Blocks And Patched Areas	923031505-85	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray Black, Heterogeneous, Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 3%, Non-fibrous 97%			
2303280061RK-86 Location: Roof, Near Center At Roof Jack / Roof Mastic	923031505-86	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray Black, Heterogeneous, Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 3%, Non-fibrous 97%			
2303280061RK-87 Location: Roof, East t Conduit Block / Roof Mastic	923031505-87	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray Black, Heterogeneous, Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 3%, Non-fibrous 97%			
2303280061RK-88 Location: Exterior, West Wall / Brick Mortar / T-O Exterior Walls	923031505-88	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Red Grey, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-89 Location: Exterior, South Wall / Brick Mortar	923031505-89	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Red Grey, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280061RK-90 Location: Exterior, East Wall / Brick Mortar Analyst Description: Red Grey, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar Asbestos Types: Other Material: Non-fibrous 100%	923031505-90	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
2303280061RK-91 Location: Exterior, South Upper Wall / Brick Mortar Analyst Description: Red Grey, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar Asbestos Types: Other Material: Non-fibrous 100%	923031505-91	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
2303280061RK-92 Location: Exterior, East Upper Wall / Brick Mortar Analyst Description: Red Grey, Heterogeneous, Non-Fibrous, Cementitious, Brick Mortar Asbestos Types: Other Material: Non-fibrous 100%	923031505-92	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
2303280061RK-93 Location: Exterior, West Wall / Exterior Window Caulking / T-O Exterior Windows Analyst Description: Tan, Homogeneous, Non-Fibrous, Window Caulk Asbestos Types: Other Material: Non-fibrous 100%	923031505-93	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
2303280061RK-94 Location: Exterior, South Wall / Exterior Window Caulking Analyst Description: Tan, Homogeneous, Non-Fibrous, Window Caulk Asbestos Types: Other Material: Non-fibrous 100%	923031505-94	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
2303280061RK-95 Location: Exterior, East Wall / Exterior Window Caulking Analyst Description: Tan, Homogeneous, Non-Fibrous, Window Caulk Asbestos Types: Other Material: Non-fibrous 100%	923031505-95	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280061RK-96 Location: Lower Roof, NW / Roof Core / Lower Roof	923031505-96	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303280061RK-97 Location: Lower Roof, SE / Roof Core	923031505-97	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303280061RK-98 Location: Lower Roof, NE / Roof Core	923031505-98	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 10%, Non-fibrous 80%			
2303280061RK-99 Location: Lower Roof, Near Center At HVAC Unit / Roof Mastic / Lower Roof HVAC Units / Ducts, Roof Jacks, Flashings And Patched Areas	923031505-99	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Black, Heterogeneous, Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 3%, Non-fibrous 97%			
2303280061RK-100 Location: Lower Roof, North At Roof Jack / Roof Mastic	923031505-100	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Black, Heterogeneous, Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 3%, Non-fibrous 97%			
2303280061RK-101 Location: Lower Roof, At North Wall Flashing / Roof Mastic	923031505-101	No	NAD (by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Cellulose 3%, Non-fibrous 97%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280061RK-102	923031505-102	No	NAD
Location: Lower Roof, NW At Roof Jack / White Roof Coating / Lower Roof Select Roof Jacks And Patched Areas			(by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: White, Homogeneous, Non-Fibrous, Coating Asbestos Types: Other Material: Non-fibrous 100%			
2303280061RK-103	923031505-103	No	NAD
Location: Lower Roof, South At Roof Jack / White Roof Coating			(by CVES) by Thu M. Nguyen on 04/02/23
Analyst Description: White, Homogeneous, Non-Fibrous, Coating Asbestos Types: Other Material: Non-fibrous 100%			
2303280061RK-104	923031505-104	No	NAD
Location: Lower Roof, SE At Roof Jack / White Roof Coating			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: White, Homogeneous, Non-Fibrous, Coating Asbestos Types: Other Material: Non-fibrous 100%			
2303280061RK-105	923031505-105	No	NAD
Location: Upper Roof, West / Roof Core / T-O Upper Roof			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing Asbestos Types: Other Material: Cellulose 5%, Fibrous glass 10%, Non-fibrous 85%			
2303280061RK-106	923031505-106	No	NAD
Location: Upper Roof, Near Center / Roof Core			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing Asbestos Types: Other Material: Cellulose 5%, Fibrous glass 10%, Non-fibrous 85%			
2303280061RK-107	923031505-107	No	NAD
Location: Upper Roof, East / Roof Core			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roofing Asbestos Types: Other Material: Cellulose 5%, Fibrous glass 10%, Non-fibrous 85%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280061RK-108	923031505-108	No	NAD
Location: Upper Roof, North- Center At Roof Jack / Roof Mastic / Upper Roof At HVAC Units, Roof Jacks And Patched Areas And Gutters Of MPR			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray/Black, Homogeneous, Non-Fibrous, Roof Mastic Asbestos Types: Other Material: Non-fibrous 100%			
2303280061RK-109	923031505-109	No	NAD
Location: Upper Roof, East-Center At HVAC Unit / Roof Mastic			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray/Black, Homogeneous, Non-Fibrous, Roof Mastic Asbestos Types: Other Material: Non-fibrous 100%			
2303280061RK-110	923031505-110	No	NAD
Location: Upper Roof, East-Center At Roof Jack / Roof Mastic			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray/Black, Homogeneous, Non-Fibrous, Roof Mastic Asbestos Types: Other Material: Non-fibrous 100%			
2303280061RK-111	923031505-111	No	NAD
Location: Library / Media Center Roof, North At Roof Jacks / Roof Mastic / Sealant / Caulking / Library / Media Center Roof Jacks And Patched Areas T-O Metal Roof Panels			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Silver/Gray/ Black, Heterogeneous, Non-Fibrous, Roof Mastic Asbestos Types: Other Material: Non-fibrous 100%			
2303280061RK-112	923031505-112	No	NAD
Location: Library / Media Center Roof, Near Center At Roof Jacks / Roof Mastic			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Silver/Gray/Black, Heterogeneous, Non-Fibrous, Roof Mastic Asbestos Types: Other Material: Non-fibrous 100%			
2303280061RK-113	923031505-113	No	NAD
Location: Library / Media Center Roof, SE Patched Area / Roof Mastic			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Silver/Gray/Black, Heterogeneous, Non-Fibrous, Roof Mastic Asbestos Types: Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280061RK-114	923031505-114	Yes	2%
Location: Portable 801 Roof, South At Patched Area / Roof Mastic / Caulking (On Metal Roof) / Portable 801 Roof On Penetrations And Patched Areas			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roof Mastic			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303280061RK-115	923031505-115	Yes	2%
Location: Portable 801 Roof, Near Center At Patched Area / Roof Mastic			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Roof Mastic			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303280061RK-116	923031505-116	No	NAD
Location: Portable 801 Roof, North At Penetration / Roof Mastic			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-117	923031505-117	No	NAD
Location: Portable 802 Roof, South At Penetration / Roof Caulking (On Metal Roof) / Portable 802 Roof At Penetrations And Patched Areas Of Gutters			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-118	923031505-118	No	NAD
Location: Portable 802 Roof, Center At Penetration / Roof Caulking (On Metal Roof)			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-119	923031505-119	No	NAD
Location: Portable 802 Roof, North At Penetration / Roof Caulking (On Metal Roof)			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280061RK-120	923031505-120	No	NAD
Location: Portable 803 Roof, South At Penetration / Roof Caulking (On Metal Roof) / Portable 803 Roof At Penetrations And Patched Areas Of Gutters			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-121	923031505-121	No	NAD
Location: Portable 803 Roof, Center At Penetration / Roof Caulking (On Metal Roof)			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-122	923031505-122	No	NAD
Location: Portable 803 Roof, North At Penetration / Roof Caulking (On Metal Roof)			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-123	923031505-123	No	NAD
Location: Portable 804 Roof, South At Penetration / Roof Caulking (On Metal Roof) / Portable 804 Roof At Penetrations And Patched Areas Of Gutters			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Grey, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-124	923031505-124	No	NAD
Location: Portable 804 Roof, Center At Penetration / Roof Caulking (On Metal Roof)			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-125	923031505-125	No	NAD
Location: Portable 804 Roof, North At Penetration / Roof Caulking (On Metal Roof)			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280061RK-126	923031505-126	No	NAD
Location: Portable 805 Roof, South At Penetration / Roof Caulking (On Metal Roof) / Portable 805 Roof At Penetrations And Patched Areas Of Gutters			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-127	923031505-127	No	NAD
Location: Portable 805 Roof, Center At Penetration / Roof Caulking (On Metal Roof)			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-128	923031505-128	No	NAD
Location: Portable 805 Roof, North At Penetration / Roof Caulking (On Metal Roof)			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-129	923031505-129	No	NAD
Location: Portable 806 Roof, South At Penetration / Roof Caulking (On Metal Roof) / Portable 806 Roof At Penetrations And Patched Areas Of Gutters			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-130	923031505-130	No	NAD
Location: Portable 806 Roof, Cneter At Penetration / Roof Caulking (On Metal Roof)			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-131	923031505-131	No	NAD
Location: Portable 806 Roof, South At Penetration / Roof Caulking (On Metal Roof)			(by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280061RK-132 Location: Roof, East / Roof Shingle And Felt Underlayment / T-O Roof	923031505-132L1	No	NAD (by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Heterogeneous, Fibrous, Roofing Shingle Asbestos Types: Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303280061RK-132 Location: Roof, East / Roof Shingle And Felt Underlayment / T-O Roof	923031505-132L2	No	NAD (by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Black, Homogeneous, Fibrous, Roofing Felt Asbestos Types: Other Material: Cellulose 60%, Non-fibrous 40%			
2303280061RK-133 Location: Roof, Center / Roof Shingle And Felt Underlayment	923031505-133L1	No	NAD (by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Heterogeneous, Fibrous, Roofing Shingle Asbestos Types: Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303280061RK-133 Location: Roof, Center / Roof Shingle And Felt Underlayment	923031505-133L2	No	NAD (by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Roofing Felt Asbestos Types: Other Material: Cellulose 60%, Non-fibrous 40%			
2303280061RK-134 Location: Roof, West / Roof Shingle And Felt Underlayment / T-O Roof	923031505-134L1	No	NAD (by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray, Heterogeneous, Fibrous, Roofing Shingle Asbestos Types: Other Material: Fibrous glass 10%, Non-fibrous 90%			
2303280061RK-134 Location: Roof, West / Roof Shingle And Felt Underlayment / T-O Roof	923031505-134L2	No	NAD (by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Black, Heterogeneous, Fibrous, Roofing Felt Asbestos Types: Other Material: Cellulose 60%, Non-fibrous 40%			

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280061RK-135 Location: Roof, West At Roof Jacks / Roof Mastic / T-O Roof Jacks And Patched Areas	923031505-135	No	NAD (by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-136 Location: Roof, Near Center At Patched Area / Roof Mastic	923031505-136	Yes	2% (by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Roof Mastic			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			
2303280061RK-137 Location: Roof, East Of Roof Jack / Roof Mastic	923031505-137	No	NAD (by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Black, Heterogeneous, Non-Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303280061RK-138 Location: Exterior, West Wall / Exterior Stucco / T-O Exterior Stucco	923031505-138	Yes	Trace (<1 %) (by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Pink/Red/Grey, Heterogeneous, Fibrous, Stucco			
Asbestos Types: Chrysotile <1. %			
Other Material: Non-fibrous 100%			
2303280061RK-139 Location: Exterior, South Wall - West End / Exterior Stucco	923031505-139	Yes	Trace (<1 %) (by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Pink/Red/Grey, Heterogeneous, Fibrous, Cementitious, Stucco			
Asbestos Types: Chrysotile <1. %			
Other Material: Non-fibrous 100%			
2303280061RK-140 Location: Exterior, South Wall - East End / Exterior Stucco	923031505-140	Yes	Trace (<1 %) (by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Pink/Red/Grey, Heterogeneous, Fibrous, Cementitious, Stucco			
Asbestos Types: Chrysotile <1. %			
Other Material: Non-fibrous 100%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280061RK-141 Location: Exterior, East Wall / Exterior Stucco	923031505-141	Yes	Trace (<1 %) (by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Pink/Red/Grey, Heterogeneous, Fibrous, Stucco			
Asbestos Types: Chrysotile <1. %			
Other Material: Non-fibrous 100%			
2303280061RK-142 Location: Exterior, North Wall - East End / Exterior Stucco	923031505-142	Yes	Trace (<1 %) (by CVES) by Thu M. Nguyen on 04/03/23
Analyst Description: Pink/Red/Grey, Heterogeneous, Fibrous, Stucco			
Asbestos Types: Chrysotile <1. %			
Other Material: Non-fibrous 100%			
2303290061RK-143 Location: Portable 900 Roof, South At Patched Area / Roof Mastic / Caulking (On Metal Roof) / Portable 900 Roof At Penetrations Patched Areas And Patched Areas Of Gutters	923031505-143	No	NAD (by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290061RK-144 Location: Portable 900 Roof, Near Center At Penetration / Roof Mastic / Caulking (On Metal Roof)	923031505-144	No	NAD (by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290061RK-145 Location: Portable 900 Roof, North At Patched Area / Roof Mastic / Caulking (On Metal Roof)	923031505-145	No	NAD (by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290061RK-146 Location: Portable 901 Roof, SW At Roof Jack / Roof Sealant / Mastic / Caulking (On Metal Roof) / Portable 901 Roof At Roof Jack, Patched Areas, Penetrations And Patched Area Of Gutters	923031505-146	No	NAD (by CVES) by Megan A DeLara on 04/03/23
Analyst Description: White, Homogeneous, Non-Fibrous, Roof Sealant			
Asbestos Types:			
Other Material: Non-fibrous 100%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290061RK-147	923031505-147	No	NAD
Location: Portable 901 Roof, Near Center At Patched Area / Roof Sealant / Mastic / Caulking (On Metal Roof)			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Roof Mastic			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290061RK-148	923031505-148	No	NAD
Location: Portable 901 Roof, North At Penetration / Roof Sealant / Mastic / Caulking (On Metal Roof)			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290061RK-149	923031505-149	No	NAD
Location: Portable 902 Roof, South At Penetration / Roof Caulking (On Metal Roof) / Portable 902 Roof At Penetrations And Patched Areas Of Gutters			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290061RK-150	923031505-150	No	NAD
Location: Portable 902 Roof, Near Center At Penetration / Roof Caulking (On Metal Roof)			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290061RK-151	923031505-151	No	NAD
Location: Portable 902 Roof, North At Penetration / Roof Caulking (On Metal Roof)			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Roof Caulking			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290061RK-152	923031505-152	Yes	20%
Location: Covered Walkway, East By Building 100 / Roof Coating (On Metal Roof) / T-O Covered Walkway Roof			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black/White, Homogeneous, Fibrous, Coating			
Asbestos Types: Chrysotile 20.0 %			
Other Material: Non-fibrous 80%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290061RK-153	923031505-153	Yes	20%
Location: Covered Walkway, East Side Of Administration Building / Roof Coating (On Metal Roof)			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black/White, Homogeneous, Fibrous, Coating			
Asbestos Types: Chrysotile 20.0 %			
Other Material: Non-fibrous 80%			
2303290061RK-154	923031505-154	Yes	20%
Location: Covered Walkway, South Of Administration Building / Roof Coating (On Metal Roof)			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black/White, Homogeneous, Fibrous, Coating			
Asbestos Types: Chrysotile 20.0 %			
Other Material: Non-fibrous 80%			
2303290061RK-155	923031505-155	Yes	20%
Location: Covered Walkway, West / Roof Coating (On Metal Roof)			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black/White, Homogeneous, Fibrous, Coating			
Asbestos Types: Chrysotile 20.0 %			
Other Material: Non-fibrous 80%			
2303290061RK-156	923031505-156	Yes	20%
Location: Covered Walkway, South Of MPR / Roof Coating (On Metal Roof)			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Black/White, Homogeneous, Fibrous, Coating			
Asbestos Types: Chrysotile 20.0 %			
Other Material: Non-fibrous 80%			
2303290061RK-157	923031505-157L1	No	NAD
Location: Covered Walkway, South Of MPR / Texture Coat / T-O Covered Walkway Ceilings And Ceiling Beams			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: White, Homogeneous, Non-Fibrous, Texture Coat			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290061RK-157	923031505-157L2	Yes	12%
Location: Covered Walkway, South Of MPR / Texture Coat / T-O Covered Walkway Ceilings And Ceiling Beams			(by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Brown, Homogeneous, Fibrous, Fibrous Material			
Asbestos Types: Chrysotile 12.0 %			
Other Material: Non-fibrous 88%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303290061RK-158 Location: Covered Walkway, West / Texture Coat	923031505-158	No	NAD (by CVES) by Megan A DeLara on 04/03/23
Analyst Description: White, Homogeneous, Non-Fibrous, Texture Coat			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290061RK-159 Location: Covered Walkway, West Of Administration Building / Texture Coat	923031505-159L1	No	NAD (by CVES) by Megan A DeLara on 04/03/23
Analyst Description: White, Homogeneous, Non-Fibrous, Texture Coat			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290061RK-159 Location: Covered Walkway, West Of Administration Building / Texture Coat	923031505-159L2	Yes	12% (by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Brown, Homogeneous, Fibrous, Fibrous Material			
Asbestos Types: Chrysotile 12.0 %			
Other Material: Non-fibrous 88%			
2303290061RK-160 Location: Covered Walkway, South Of Administration Building / Texture Coat	923031505-160L1	No	NAD (by CVES) by Megan A DeLara on 04/03/23
Analyst Description: White, Homogeneous, Non-Fibrous, Texture Coat			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2303290061RK-160 Location: Covered Walkway, South Of Administration Building / Texture Coat	923031505-160L2	Yes	12% (by CVES) by Megan A DeLara on 04/03/23
Analyst Description: Brown, Homogeneous, Fibrous, Fibrous Material			
Asbestos Types: Chrysotile 12.0 %			
Other Material: Non-fibrous 88%			
2303290061RK-161 Location: Covered Walkway, East Of Administration Building / Texture Coat	923031505-161	Yes	2% ¹ (by CVES) by Megan A DeLara on 04/03/23
Analyst Description: White, Homogeneous, Non-Fibrous, Texture Coat			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Reporting Notes:

(1) Asbestos suspected to be inseparable contamination from adjacent layer.

Analyzed by: Thu M. Nguyen



Reviewed by: Patricia Weakley



Date: 3/31/2023

*NAD = no asbestos detected; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; NA = not analyzed; NA/PS = not analyzed / positive stop; NVA = No Visible Asbestos; PLM (polarized light microscopy) Bulk Asbestos Analysis by EPA 600/R-93/116, including requirements for EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200346-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laboratory. This PLM report relates ONLY to the items tested.



**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine (5 Working Days)	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/27/2023	Page 1 of 27
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.	Building Name: Buildings 100
2. Analyze all samples by PLM by EPA 600/R-93/116.	4. All lab reports and invoices are to contain the Project Number from above.
3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%	5. Unsigned and reports marked draft are unacceptable.
	6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: <u>Info@execenv.com</u>	<input checked="" type="checkbox"/> Other: <u>ygaleana@execenv.com;</u>
			<input type="checkbox"/> Alternate billing address:	<u>923031505</u>

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.		Percent Damaged
				No.	Quantity	
-01	Exterior, south wall	Exterior window putty	T-O exterior windows	1	70SF	0
-02	Exterior, east wall	↓		↓	↓	↓
-03	Exterior, north wall			↓	↓	↓
-04	Exterior, south wall		Brick mortar	T-O exterior walls	2	500SF
-05	Exterior, east wall	↓		↓	↓	↓
-06	Exterior, north wall			↓	↓	↓

Notes:

Released By, Date, & Time: Rhys Kuzmic 03/30/2023	Received By, Date, & Time: Glenda Wilson ^{second from} 3.30.23 09:00	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine (5 Working Days)	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/20/2023	Page 2 of 27
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- The receiving Laboratory is required to complete the following:**
- | | |
|---|---|
| 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
2. Analyze all samples by PLM by EPA 600/R-93/116.
3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% | Building Name: <u>Building 100</u>
4. All lab reports and invoices are to contain the Project Number from above.
5. Unsigned and reports marked draft are unacceptable.
6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327 |
|---|---|

Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: <u>Info@execenv.com</u>	<input checked="" type="checkbox"/> Other: <u>ygaleana@execenv.com;</u>
			<input type="checkbox"/> Alternate billing address:	<u>927031505</u>

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-07	Exterior, east window casings	Exterior scikit at window	Exterior east windows	3	5 SIC	0
-08	Exterior, east window casings	Casings		↓	↓	↓
-09	Exterior, east window casings	↓		↓	↓	↓
-10	Roof, west	Roof core	T-O roof	4	4,400 sq	0
-11	Roof, near center			↓	↓	↓
-12	Roof, east	↓		↓	↓	↓

Notes:

Released By, Date, & Time: <u>Rhys Kuz 03/30/2023 9:00 AM</u>	Received By, Date, & Time: <u>Glenda Linton 3.30.23 @ 9:00</u>	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine <small>(5 Working Days)</small>	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/27/2023	Page 3 of 27
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report. 2. Analyze all samples by PLM by EPA 600/R-93/116. 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%	Building Name: <u>Buildings 100</u> 4. All lab reports and invoices are to contain the Project Number from above. 5. Unsigned and reports marked draft are unacceptable. 6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327
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Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: <u>Info@execenv.com</u>	<input checked="" type="checkbox"/> Other: <u>ygaleana@execenv.com;</u>
			<input type="checkbox"/> Alternate billing address:	<u>923031505</u>

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-13	Roof, west at HVAC unit	Roof mesh	FD roof jacks, HVAC units and patched areas	5	25 SF	0
-14	Roof, near center at roof jack	↓		↓	↓	↓
-15	Roof, east at roof jack			↓	↓	↓

Notes:

Released By, Date, & Time: <u>Rhys Kuzmic 03/30/2023 9:00 AM</u>	Received By, Date, & Time: <u>Glenda Wilson 3.30.23 @ 9:00</u> <i>Glenda from</i>	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine <small>(5 Working Days)</small>	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/27/2023	Page 4 of 27
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- The receiving Laboratory is required to complete the following:**
- | | |
|---|---|
| 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
2. Analyze all samples by PLM by EPA 600/R-93/116.
3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% | Building Name: <u>Building 400</u>
4. All lab reports and invoices are to contain the Project Number from above.
5. Unsigned and reports marked draft are unacceptable.
6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327 |
|---|---|

Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: <u>Info@execenv.com</u>	<input checked="" type="checkbox"/> Other: <u>ygaleana@execenv.com;</u>
			<input type="checkbox"/> Alternate billing address:	<u>923031505</u>

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-16	Exterior, south wall - west	Exterior window putty	T-0 exterior windows	6	35 SF	0
-17	Exterior, south wall - center	↓		↓	↓	↓
-18	Exterior, south wall - east			↓	↓	↓
-19	Exterior, north wall		Brick mortar	T-0 exterior walls	7	600 SF
-20	Exterior, south wall	↓		↓	↓	↓
-21	Exterior, east wall			↓	↓	↓

Notes:

Released By, Date, & Time: <u>Rhys Kuz 03/30/2023 9:00 AM</u>	Received By, Date, & Time: <u>Glenda Luzon Glendale from 3:30-3:50 PM 03/29/2023</u>	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine <small>(5 Working Days)</small>	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/27/2023	Page 5 of 27
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- The receiving Laboratory is required to complete the following:**
- | | |
|---|---|
| 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
2. Analyze all samples by PLM by EPA 600/R-93/116.
3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% | Building Name: <u>Building 400</u>
4. All lab reports and invoices are to contain the Project Number from above.
5. Unsigned and reports marked draft are unacceptable.
6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327 |
|---|---|

Optional items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: <u>Info@execenv.com</u>	<input checked="" type="checkbox"/> Other: <u>ygaleana@execenv.com</u>
			<input type="checkbox"/> Alternate billing address:	<u>023031505</u>

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-22	Exterior, South wall	Exterior stucco	Exterior south wall at drainage fountains	8	20 SF	0
-23	Exterior, south wall	↓		↓	↓	↓
-24	Exterior, south wall	↓		↓	↓	↓
-25	Roof, west	Roof core	To roof	9	6000 SF	0
-26	Roof, near center	↓		↓	↓	↓
-27	Roof, east	↓		↓	↓	↓

Notes:

Released By, Date, & Time: <u>Rhys Kuz 02/30/2023 9:00AM</u>	Received By, Date, & Time: <u>Glenda Turner 3.30.23 @ 9:00</u>	Released By, Date, & Time:
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**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine (5 Working Days)	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/27/2023	Page 6 of 27
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.	Building Name: Buildings 400 and 500
2. Analyze all samples by PLM by EPA 600/R-93/116.	4. All lab reports and invoices are to contain the Project Number from above.
3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%	5. Unsigned and reports marked draft are unacceptable.
	6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: ygaleana@execenv.com;
 US Mail Report to: Originating office check marked above Other: Alternate billing address: 923031505

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-28	Roof, West at roof jack	Roof Mastiz	To roof jacks, HVAC units and patched areas	10	65 SF	0
-29	Roof, near center at HVAC unit	↓	Bldg 400	↓	↓	↓
-30	Roof, east at roof jack			↓	↓	↓
-31	Exterior, south wall - west		Exterior window putty	To exterior windows Buildings 500	11	35 SF
-32	Exterior, south wall - near center	↓		↓	↓	↓
-33	Exterior, south wall - east			↓	↓	↓

Notes:

Released By, Date, & Time: Rhys Kuz 03/30/2023 9:00 AM	Received By, Date, & Time: Glenda ^{sample from} 03/30/23 9:00 AM
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**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine (5 Working Days)	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/27/2023	Page 7 of 27
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.	4. All lab reports and invoices are to contain the Project Number from above.
2. Analyze all samples by PLM by EPA 600/R-93/116.	5. Unsigned and reports marked draft are unacceptable.
3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%	6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Building Name: Buildings 500

Optional Items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: ygaleana@execenv.com;
 US Mail Report to: Originating office check marked above Other: Alternate billing address: 923031505

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.		Percent Damaged
				No.	Quantity	
-34	Exterior, north wall	Brick mortar	T-O exterior walls	12	600 SF	0
-35	Exterior, south wall	↓		↓	↓	↓
-36	Exterior, east wall			↓	↓	↓
-37	Exterior, south wall	Exterior stucco	Exterior south wall at drinking fountains	13	20 SF	0
-38	Exterior, south wall	↓		↓	↓	↓
-39	Exterior, south wall			↓	↓	↓

Notes:

Released By, Date, & Time: Rhys Kuz 03/30/2023 9:00AM	Received By, Date, & Time: Glendaluzon ^{Glenda from} 3-30-23 9:00	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine (5 Working Days)	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/27/2023	Page 8 of 27
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd.; Suite 200, Arcadia, CA 91006 with a copy of the lab report. 2. Analyze all samples by PLM by EPA 600/R-93/116. 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%	Building Name: <u>Building 500</u> 4. All lab reports and invoices are to contain the Project Number from above. 5. Unsigned and reports marked draft are unacceptable. 6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327
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Optional Items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: ygaleana@execenv.com;
 US Mail Report to: Originating office check marked above Other: Alternate billing address: 923031505

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-40	Roof, west	Roof core	T-O roof	14	6,000 SF	0
-41	Roof, near center	↓		↓	↓	↓
-42	Roof, east	↓		↓	↓	↓
-43	Roof, west at roof jack	Roof mastic	T-O roof jacks, HVAC units and patched areas	15	605F	0
-44	Roof, near center at HVAC unit	↓		↓	↓	↓
-45	Roof, east at roof jack	↓		↓	↓	↓

Notes:

Released By, Date, & Time: <u>Rhys Kuz 03/27/2023 9:00AM</u>	Received By, Date, & Time: <u>Glendaluzon 3-30-23 9:00</u> <i>Glenda from</i>	Released By, Date, & Time:
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**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine (5 Working Days)	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/27/2023	Page 1 of 27
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The receiving Laboratory is required to complete the following:

Building Name: Buildings 600

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%
- All lab reports and invoices are to contain the Project Number from above.
- Unsigned and reports marked draft are unacceptable.
- Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked):

US Mail Report to: Originating office check marked above Other: _____

Email Report to: info@execenv.com Other: ygaleana@execenv.com

Alternate billing address: 923031505

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-46	Exterior, South wall - west	Exterior window putty	T-O exterior windows	16	35 SF	0
-47	Exterior, south wall - near center	↓		↓	↓	↓
-48	Exterior, south wall - east	↓		↓	↓	↓
-49	Exterior, north wall	Brick mortar	T-O exterior walls	17	600 SF	0
-50	Exterior, south wall	↓		↓	↓	↓
-51	Exterior, east wall	↓		↓	↓	↓

Notes:

Released By, Date, & Time: <u>Rhys Kuzmic</u> 03/30/2023 9:00 AM	Received By, Date, & Time: <u>Glenda Wilson</u> 3-30-23 @ 9:00	Released By, Date, & Time:
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**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine (5 Working Days)	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/27/2023	Page 1 of 27
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The receiving Laboratory is required to complete the following:

Building Name: Building 600

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%
- All lab reports and invoices are to contain the Project Number from above.
- Unsigned and reports marked draft are unacceptable.
- Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked):

US Mail Report to: Originating office check marked above Other: _____

Email Report to: Info@execenv.com Other: ygaleana@execenv.com;

Alternate billing address: 923031505

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-52	Exterior, south wall	Exterior stucco	Exterior south wall at drinking fountains	18	20 SF	0
-53	Exterior, south wall	↓		↓	↓	↓
-54	Exterior, south wall	↓		↓	↓	↓
-55	Roof, west	Roof core	T-O roof	19	6,000 SF	0
-56	Roof, near center	↓		↓	↓	↓
-57	Roof, east	↓		↓	↓	↓

Prefix: 2303 27 0061RK

Notes:

Released By, Date, & Time: <u>Rhys Kuz</u> 03/30/2023 9:10AM	Received By, Date, & Time: <u>Glenda Wilson</u> 3-30-23 9:00	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine <small>(5 Working Days)</small>	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/27/2023	Page 1 of 2
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report. 2. Analyze all samples by PLM by EPA 600/R-93/116. 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%	Building Name: <u>Buildings 600 and Building 700</u> 4. All lab reports and invoices are to contain the Project Number from above. 5. Unsigned and reports marked draft are unacceptable. 6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327
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Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: <u>Info@execenv.com</u>	<input checked="" type="checkbox"/> Other: <u>ygaleana@execenv.com</u>
			<input type="checkbox"/> Alternate billing address:	<u>923091505</u>

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-58	Roof, west at roof jack	Roof Mastix	T-O roof jacks, HVAC units and patched areas	20	55SR	0
-59	Roof, near center at HVAC unit	↓	Building 600	↓	↓	↓
-60	Roof, east at roof jack	↓		↓	↓	↓
-61	Exterior, south wall - west	Exterior window putty	T-O exterior windows	21	35SF	0
-62	Exterior, south wall - near center	↓		↓	↓	↓
-63	Exterior, south wall - east	↓		↓	↓	↓

Notes:

Released By, Date, & Time: <u>Rhys Kuz</u> 03/30/2023 9:00AM	Received By, Date, & Time: Glenda ^{Hearda from} <u>Wiston</u> 3:30-23e9:00	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmériSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine (5 Working Days)	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/27/2023	Page 12 of 27
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
2. Analyze all samples by PLM by EPA 600/R-93/116.
3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%

Building Name: Building 700

4. All lab reports and invoices are to contain the Project Number from above.
5. Unsigned and reports marked draft are unacceptable.
6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: ygaleana@execenv.com;
 US Mail Report to: Originating office check marked above Other: 922031505
 Alternate billing address:

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-64	Exterior, north wall	Brick mortar	T-O exterior walls	22	600 SF	0
-65	Exterior, south wall	↓		↓	↓	↓
-66	Exterior, east wall	↓		↓	↓	↓
-67	Exterior, south wall	Exterior stucco	Exterior south wall at drinking fountains	23	205 SF	0
-68	Exterior, south wall	↓		↓	↓	↓
-69	Exterior, south wall	↓		↓	↓	↓

Notes:

Released By, Date, & Time: <u>Rhys Kuzmic 03/30/2023 9:00 AM</u>	Received By, Date, & Time: <u>Glenda Lopez 03/30/2023 9:00</u>	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine <small>(5 Working Days)</small>	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-20187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/27/2023	Page 13 of 27
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report. 2. Analyze all samples by PLM by EPA 600/R-93/116. 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%	Building Name: <u>Building 700</u> 4. All lab reports and invoices are to contain the Project Number from above. 5. Unsigned and reports marked draft are unacceptable. 6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327
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Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: <u>Info@execenv.com</u>	<input checked="" type="checkbox"/> Other: <u>ygaleana@execenv.com;</u>
	<input type="checkbox"/> Other:	<input type="checkbox"/> Alternate billing address:		<u>923031505</u>

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-70	Roof, West	Roof core	T-O roof	24	6,000 SF	0
-71	Roof, near center	↓		↓	↓	↓
-72	Roof, east	↓		↓	↓	↓
-73	Roof, West at roof jack	Roof mastic	T-O roof jacks, HVAC units and patched areas	25	55 SF	0
-74	Roof, near center at HVAC unit	↓		↓	↓	↓
-75	Roof, east at roof jack	↓		↓	↓	↓

Notes:

Released By, Date, & Time: <u>Rhys Kuz</u> 03/30/2023 9:00AM	Received By, Date, & Time: <u>Glendaluzon</u> 3-30-23 9:00	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

<input checked="" type="checkbox"/> Routine (5 Working Days)	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/28/2023	Page 4 of 27
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The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd.; Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%

Building Name: Administration

- All lab reports and invoices are to contain the Project Number from above.
- Unsigned and reports marked draft are unacceptable.
- Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: ygaleana@execenv.com;

 US Mail Report to: Originating office check marked above Other: Alternate billing address: 923031505

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-76	Exterior, east Wall	Exterior Window putty	T-O exterior windows	26	30 SF	0
-77	Exterior, south wall	↓		↓	↓	↓
-78	Exterior, West Wall	↓		↓	↓	↓
-79	Exterior, east Wall	Brick mortar	T-O exterior walls	27	400 SF	0
-80	Exterior, south wall	↓		↓	↓	↓
-81	Exterior, West Wall	↓		↓	↓	↓

Prefix: 2303 28 0061RK

Notes:

Released By, Date, & Time: Rhys Kuzmic 03/28/2023 9:00 AM	Received By, Date, & Time: Glenda Wilson 3.30.23 9:00 AM	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Routine (5 Working Days)
 RUSH (surcharges may apply)
 Circle 6 24 48 3 to 5
 One hours hours hours days

Project #: 23-Z0187-0061

Sampled by: Rhys Kuzmic

Site Zip Code: 90650

Sample Date: 03/28/2023

Page 15 of 27

The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%

Building Name: Administration

4. All lab reports and invoices are to contain the Project Number from above.
 5. Unsigned and reports marked draft are unacceptable.
 6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked): Email Report to: info@execenv.com Other: ygaleana@execenv.com;
 US Mail Report to: Originating office check marked above Other: Alternate billing address: 923031505

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-82	Roof, west	Roof core	TO roof	28	2,700 SF	0
-83	Roof, near center	↓		↓	↓	↓
-84	Roof, east			↓	↓	↓
-85	Roof, west at roof jack		Roof Mastix	TO roof jacks, conduit blocks and patched areas	29	25 SF
-86	Roof, near center at roof jacks	↓		↓	↓	↓
-87	Roof, east at conduit block			↓	↓	↓

Notes:

Released By, Date, & Time: Rhys Kuzmic 03/30/2023 9:00 AM

Received By, Date, & Time: Glenda Wilson 3.30.23 9:00 AM

Released By, Date, & Time:



Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine <small>(5 Working Days)</small>	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/28/2023	Page 6 of 27
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report. 2. Analyze all samples by PLM by EPA 600/R-93/116. 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%	Building Name: MPR 4. All lab reports and invoices are to contain the Project Number from above. 5. Unsigned and reports marked draft are unacceptable. 6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327
---	---

Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: <u>Info@execenv.com</u>	<input checked="" type="checkbox"/> Other: <u>ygaleana@execenv.com</u>
			<input type="checkbox"/> Alternate billing address:	923031505

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-88	Exterior, west wall	Brick mortar	T-O exterior walls	30	1,500 SF	0
-89	Exterior, south wall	↓		↓	↓	↓
-90	Exterior, east wall			↓	↓	↓
-91	Exterior, south upper wall			↓	↓	↓
-92	Exterior, east upper wall			↓	↓	↓
-93	Exterior, west wall		Exterior window caulking	T-O exterior windows	31	
-94	Exterior, south wall	↓		↓	↓	↓
-95	Exterior, east wall			↓	↓	↓

Notes:

Released By, Date, & Time: <i>Rhys Kuzmic</i> 03/30/2023 9:00AM	Received By, Date, & Time: Glenda Lizora ^{Heerde for} 3/30/23 9:00	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine <small>(5 Working Days)</small>	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/28/2023	Page 17 of 27
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report. 2. Analyze all samples by PLM by EPA 600/R-93/116. 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%	Building Name: MPR 4. All lab reports and invoices are to contain the Project Number from above. 5. Unsigned and reports marked draft are unacceptable. 6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327
---	---

Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: Info@execenv.com	<input checked="" type="checkbox"/> Other: ygaleana@execenv.com ;
			<input type="checkbox"/> Alternate billing address:	923031505

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-96	Lower roof, NW	Roof core	Lower roof	32	3,900 SF	0
-97	Lower roof, SE	↓		↓	↓	↓
-98	Lower roof, NE			↓	↓	↓
-99	Lower roof, near center at HVAC unit		Roof mastic	Lower roof HVAC units/ducts, roof jacks, flashings and patched areas	33	35 SF
-100	Lower roof, north at roof jack	↓		↓	↓	↓
-101	Lower roof, at north wall flashings			↓	↓	↓

Notes:

Released By, Date, & Time: Rhys Kuzmic 03/30/2023 9:00AM	Received By, Date, & Time: Glenda Lopez ^{Glenda for} 3.30.23 @ 9:00	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Routine (5 Working Days)
 RUSH (surcharges may apply)
 Circle **6** hours **24** hours **48** hours **3 to 5** days

Project #: 23-Z0187-0061

Sampled by: Rhys Kuzmic

Site Zip Code: 90650

Sample Date: 03/28/2023

Page 18 of 27

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 - Analyze all samples by PLM by EPA 600/R-93/116.
 - Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%
- Building Name:** MPR
- All lab reports and invoices are to contain the Project Number from above.
 - Unsigned and reports marked draft are unacceptable.
 - Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked): Email Report to: info@execenv.com Other: ygaleana@execenv.com

US Mail Report to: Originating office check marked above Other: Alternate billing address: 923031505

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-102	Lower roof, NW at roof jack	White roof coatings	Lower roof select roof jacks and patched areas	34	18 SF	0
-103	Lower roof, south at roof jack	↓		↓	↓	↓
-104	Lower roof, SE at roof jack	↓		↓	↓	↓
-105	Upper roof, west	Roof core	TO upper roof	35	4,000 SF	0
-106	Upper roof, near center	↓		↓	↓	↓
-107	Upper roof, east	↓		↓	↓	↓

Notes:

Released By, Date, & Time: Rhys Kuzmic 03/30/2023 9:00 AM

Received By, Date, & Time: Glenda Wilson 3/30/23 9:00 AM

Released By, Date, & Time:



Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine (5 Working Days)	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/23/2023	Page 19 of 27
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
2. Analyze all samples by PLM by EPA 600/R-93/116.
3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%

Building Name: MPR & Library / Media Center

4. All lab reports and invoices are to contain the Project Number from above.
5. Unsigned and reports marked draft are unacceptable.
6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: ygaleana@execenv.com;
 US Mail Report to: Originating office check marked above Other: Alternate billing address: 923031505

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-108	Upper roof, north-center at roof jack	Roof mastic	Upper roof at HVAC units, roof jacks and patched areas	36	15 SF	0
-109	Upper roof, east-center at HVAC unit	↓	↓	↓	↓	↓
-110	Upper roof, east-center at roof jack	↓	↓	↓	↓	↓
-111	Library/Media Center roof north at roof jack	Roof mastic/sealant/caulking	Library/Media Center roof jacks and patched areas too	37	60 SF	0
-112	Library/Media Center roof, near center at roof jack	↓	↓	↓	↓	↓
-113	Library/Media Center roof, SE patched area	↓	↓	↓	↓	↓

Notes:

Released By, Date, & Time: <u>Rhys Kuzmic</u> 03/23/2023 9:00 AM	Received By, Date, & Time: <u>Glenda [unclear]</u> 03/20/2023 9:00 AM	Released By, Date, & Time: (Empty)
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**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office
 310 E. Foothill Blvd., Suite 200
 Arcadia, CA 91006
 Phone: 626.441.7050
 Fax: 626.441.0016

Lab Submitted to:
 AmeriSci
 EMLab (Glendale)
 LA Testing

Routine (5 Working Days)
 RUSH (surcharges may apply)
 Circle **6** **24** **48** **3 to 5**
 One **hours** **hours** **hours** **days**

Project #: 23-Z0187-0061
Sampled by: Rhys Kuzmic
Site Zip Code: 90650
Sample Date: 03/28/2023
 Page 20 of 27

The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
 2. Analyze all samples by PLM by EPA 600/R-93/116.
 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%

Building Name: Portable 801 and 802

4. All lab reports and invoices are to contain the Project Number from above.
 5. Unsigned and reports marked draft are unacceptable.
 6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked): Email Report to: info@execenv.com Other: ygaleana@execenv.com;
 US Mail Report to: Originating office check marked above Other: Alternate billing address: 923031505

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location		Quantity	Percent Damaged
			No.			
-114	Portable 801 roof, south at patched area	Roof master caulking	Portable 801 roof and patched areas	38	25 SF	0
-115	Portable 801 roof, near center at patched area	ion metal roofs		↓	↓	↓
-116	Portable 801 roof, north at penetration	↓		↓	↓	↓
-117	Portable 802 roof, south at penetration	Roof caulking (on metal roofs)	Portable 802 roof at penetrations and patched areas of gutters	39	7 SF	0
-118	Portable 802 roof, center at penetration	↓		↓	↓	↓
-119	Portable 802 roof, north at penetration	↓		↓	↓	↓

Notes:

Released By, Date, & Time: Rhys Kuzmic 03/30/2023 9:21 AM
 Received By, Date, & Time: Glenda Lopez 3.30.23 9:00 AM (Handwritten: Glenda for 3.30.23 9:00)
 Released By, Date, & Time:



Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine <small>(5 Working Days)</small>	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/28/2023	Page 2 of 2 >
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report. 2. Analyze all samples by PLM by EPA 600/R-93/116. 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%	Building Name: Portables 803 & 804 4. All lab reports and invoices are to contain the Project Number from above. 5. Unsigned and reports marked draft are unacceptable. 6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327
---	---

Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	Email Report to: <input checked="" type="checkbox"/> Info@execenv.com	<input checked="" type="checkbox"/> Other: ygaleana@execenv.com
			<input type="checkbox"/> Alternate billing address:	923031509

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-120	Portable 803 roof, south at penetration	Roof caulking (on metal roof)	Portable 803 roof at penetrations and patched areas of gutters	40	7 SF	0
-121	Portable 803 roof, center at penetration	↓		↓	↓	↓
-122	Portable 803 roof, north at penetration	↓		↓	↓	↓
-123	Portable 804 roof, south at penetration	Roof caulking (on metal roof)	Portable 804 roof at penetrations and patched areas of gutters	41	7 SF	0
-124	Portable 804 roof, center at penetration	↓		↓	↓	↓
-125	Portable 804 roof, north at penetration	↓		↓	↓	↓

Notes:

Released By, Date & Time: <i>Rhys Kuzmic</i> 03/28/2023 9:00AM	Received By, Date & Time: Yesenia Galeana 03/30/2023 9:00	Released By, Date & Time:
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**Industrial Hygiene Laboratory Submittal
Asbestos -- PLM**

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
--	--

<input checked="" type="checkbox"/> Routine (5 Working Days)	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/28/2023	Page 2 of 27
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The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%

Building Name: Portables 805 + 806

- All lab reports and invoices are to contain the Project Number from above.
- Unsigned and reports marked draft are unacceptable.
- Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked): Email Report to: Info@execenv.com Other: ygaleana@execenv.com
 US Mail Report to: Originating office check marked above Other: Alternate billing address: 923031505

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location		Percent Damaged
			No.	Quantity	
-126	Portable 805 roof, south at Penetration	Roof caulking (on metal roof)	Portable 805 roof at penetrations and patched areas of gutters	42	> 5F 0
-127	Portable 805 roof, center at Penetration	↓		↓	↓
-128	Portable 805 roof, north at Penetration			↓	↓
-129	Portable 806 roof, south at Penetration	Roof caulking (on metal roof)	Portable 806 roof at penetrations and patched areas of gutters	43	> 5F 0
-130	Portable 806 roof, center at Penetration	↓		↓	↓
-131	Portable 806 roof, south at Penetration			↓	↓

Prefix: 2303 28 0061RK

Notes:

Released By, Date, & Time: <u>Rhys Kuzmic 03/30/2023 9:00AM</u>	Received By, Date, & Time: <u>Glenda Lizon 3.30.23 9:00</u>	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
--	--

<input checked="" type="checkbox"/> Routine (5 Working Days)	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/28/2023	Page 23 of 27
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
2. Analyze all samples by PLM by EPA 600/R-93/116.
3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%

Building Name: Rooms 807/808

4. All lab reports and invoices are to contain the Project Number from above.
5. Unsigned and reports marked draft are unacceptable.
6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: <u>Info@execenv.com</u>	<input checked="" type="checkbox"/> Other: <u>ygaleana@execenv.com;</u>
			<input type="checkbox"/> Alternate billing address:	<u>923031505</u>

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-132	Roof, east	Roof shingle and felt	T-O roof	44	1,450sf	< 1
-133	Roof, center	underlayment		↓	↓	↓
-134	Roof, West	↓		↓	↓	↓
-135	Roof, west at roof jack	Roof mastic	T-O roof jacks and patched areas	45	85F	0
-136	Roof, near center at patched area	↓		↓	↓	↓
-137	Roof, east at roof jack	↓		↓	↓	↓

Prefix: 2303 28 0061RK

Notes:

Released By, Date, & Time: <u>Rhys Kuzmic</u> 03/30/2023 9:30 AM	Received By, Date, & Time: <u>Glenda Wilson</u> 3-30-23 @ 9:30	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine <small>(5 Working Days)</small>	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/28/2023	Page 24 of 27
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report. 2. Analyze all samples by PLM by EPA 600/R-93/116. 3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%	Building Name: Rooms 807/808 4. All lab reports and invoices are to contain the Project Number from above. 5. Unsigned and reports marked draft are unacceptable. 6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327
---	---

Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: Info@execenv.com	<input checked="" type="checkbox"/> Other: ygaleana@execenv.com
			<input type="checkbox"/> Alternate billing address:	923031505

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-138	Exterior, west wall	Exterior stucco	T-O exterior walls	46	1,800sqft	<1
-139	Exterior, south wall - west end	↓		↓	↓	↓
-140	Exterior, south wall - east end			↓	↓	↓
-141	Exterior, east wall			↓	↓	↓
-142	Exterior, north wall - east end			↓	↓	↓

Notes:

Released By, Date, & Time: <i>Rhys Kuzmic</i> 03/30/2023 9:00AM	Received By, Date, & Time: Glenda ^{Waters} 3.30.23 2:09:00	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
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<input checked="" type="checkbox"/> Routine <small>(5 Working Days)</small>	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/29/2023	Page 5 of 27
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The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
2. Analyze all samples by PLM by EPA 600/R-93/116.
3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%

Building Name: Particles 900 & 901

4. All lab reports and invoices are to contain the Project Number from above.
5. Unsigned and reports marked draft are unacceptable.
6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: <u>Info@execenv.com</u>	<input checked="" type="checkbox"/> Other: <u>ygaleana@execenv.com;</u>
			<input type="checkbox"/> Alternate billing address:	<u>023021505</u>

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-143	Portable 900 roof, south at patched area	Roof mastik / caulking (on metal roof)	Portable 900 roof at penetrations, patched areas and patched areas of gutters	47	15 SF	0
-144	Portable 900 roof, near center at penetration	↓		↓	↓	↓
-145	Portable 900 roof, north at patched area	↓		↓	↓	↓
-146	Portable 901 roof, SW at roof jack	Roof sealant / Mastik / caulking (on metal roof)	Portable 901 roof at roof jack, patched areas, penetrations and patched areas of gutters	48	13 SF	0
-147	Portable 901 roof, near center at patched area	↓		↓	↓	↓
-148	Portable 901 roof, north at penetration	↓		↓	↓	↓

Notes:

Released By, Date, & Time: <i>Rhys Kuzmic</i> 03/30/2023 9:01 AM	Received By, Date, & Time: Elenda Lopez <i>Blenda Lopez</i> 3/30/23 9:50	Released By, Date, & Time:
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office	Lab Submitted to:
<input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	<input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing

<input checked="" type="checkbox"/> Routine (5 Working Days)	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/29/2023	Page 26 of 27
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- The receiving Laboratory is required to complete the following:**
- | | |
|--|--|
| <ol style="list-style-type: none"> All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report. Analyze all samples by PLM by EPA 600/R-93/116. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% | <p>Building Name: <u>Portable 902 and Covered Walkway</u></p> <ol style="list-style-type: none"> All lab reports and invoices are to contain the Project Number from above. Unsigned and reports marked draft are unacceptable. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327 |
|--|--|

Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: <u>Info@execenv.com</u>	<input checked="" type="checkbox"/> Other: <u>ygaleana@execenv.com;</u> <u>923031505</u>
			<input type="checkbox"/> Alternate billing address:	

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-149	Portable 902 roof, south at penetration	Roof caulking (on metal roof)	Portable 902 roof at penetrations and patched areas of gutters	49	7 SF	0
-150	Portable 902 roof, near center at penetration	↓		↓	↓	↓
-151	Portable 902 roof, north at penetration	↓		↓	↓	↓
-152	Covered Walkway, east by Building 200	Roof coating (on metal roof)	TO covered walkway roof	50	2,600 SF	0
-153	Covered Walkway, east side of Administration Building	↓		↓	↓	↓
-154	Covered Walkway, south of Administration Building	↓		↓	↓	↓
-155	Covered Walkway, west	↓		↓	↓	↓
-156	Covered Walkway, south of MPR	↓		↓	↓	↓

Notes:

Released By, Date, & Time: <i>Blank</i> 03/30/2023 9:44 AM	Received By, Date, & Time: Glenda Lopez 3/30/2023	Released By, Date, & Time: (Blank)
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Industrial Hygiene Laboratory Submittal Asbestos -- PLM

Originating Office <input checked="" type="checkbox"/> 310 E. Foothill Blvd., Suite 200 Arcadia, CA 91006 Phone: 626.441.7050 Fax: 626.441.0016	Lab Submitted to: <input checked="" type="checkbox"/> AmeriSci <input type="checkbox"/> EMLab (Glendale) <input type="checkbox"/> LA Testing
--	--

<input checked="" type="checkbox"/> Routine (5 Working Days)	<input type="checkbox"/> RUSH (surcharges may apply) Circle 6 24 48 3 to 5 One hours hours hours days	Project #: 23-Z0187-0061	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 03/29/2023	Page 27 of 27
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- The receiving Laboratory is required to complete the following:**
- | | |
|---|--|
| 1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
2. Analyze all samples by PLM by EPA 600/R-93/116.
3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% | Building Name: <u>Covered Walkway</u>
4. All lab reports and invoices are to contain the Project Number from above.
5. Unsigned and reports marked draft are unacceptable.
6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327 |
|---|--|

Optional Items to be completed by the laboratory (if check marked):

<input checked="" type="checkbox"/> US Mail Report to:	<input checked="" type="checkbox"/> Originating office check marked above	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Email Report to: <u>Info@execenv.com</u>	<input checked="" type="checkbox"/> Other: <u>ygaleana@execenv.com;</u>
			<input type="checkbox"/> Alternate billing address:	<u>923031505</u>

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-157	Covered Walkway, south of MPR	Texture coat	To covered walkway ceilings and ceiling beams	51	2,600SF	<1
-158	Covered Walkway, west	↓				
-159	Covered Walkway, west of Administration Buildings					
-160	Covered Walkway, south of Administration Buildings					
-161	Covered Walkway, east of Administration Buildings					

Notes:

Released By, Date, & Time: <u>Rhys Kuzmic</u> 03/30/2023 9:00AM	Received By, Date, & Time: <u>Glenda Wilson</u> 3/30/23 @ 9:00	Released By, Date, & Time:
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Please Reply To:

AmeriSci Los Angeles

24416 S. Main Street, Ste 308

Carson, California 90745

TEL: (310) 834-4868 • FAX: (310) 834-4772

LABORATORY ELECTRONIC TRANSMITTAL

To: Yesenia Galeana
Executive Environmental Services Corporatio

Fax #:

Email: info@execenv.com, ygaleana@execenv.com

From: Megan A DeLara

AmeriSci Job #: 923041111

Subject: PLM 1000 point count 24 hour Re

Client Project: 23-Z0187-0061; Building 100,
400, 500, 600, 700,
Administration, MPR, Library /
Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms
807/808, Portables 900, 901, 902,
Covered Walkway,

Date: Wednesday, April 12, 2023

Time: 17:44:22

Comments:

Number of Pages: _____
(including cover sheet)

NOTE: Attached report is to be considered preliminary until final review with accompanying analysis summary letter is issued.

CONFIDENTIALITY NOTICE: Unless otherwise indicated, the information contained in this communication is confidential information intended for use of the individual named above. If the reader of this communication is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is prohibited. If you have received this communication in error, please immediately notify the sender by telephone and return the original message to the above address via the US Postal Service at our expense. Samples are disposed of in 60 days or unless otherwise instructed by the protocol or special instructions in writing. Thank you.

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PLM Bulk Asbestos Report

Executive Environmental Services Corpor
Attn: Yesenia Galeana
310 East Foothill Blvd.
Suite 200
Arcadia, CA 91006

Date Received 04/11/23 **AmeriSci Job #** 923041111
Date Examined 04/03/23 **P.O. #**

Page 1 of 2

RE: 23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280061RK-138 01 Location: Exterior, West Wall / Exterior Stucco / T-O Exterior Stucco	923041111-01	Yes	Trace (<0.1 % pc) ¹ (by 1000 pt ct) by Megan A DeLara on 04/03/23
Analyst Description: Pink/Red/Grey, Homogeneous, Non-Fibrous, Cementitious, Stucco Asbestos Types: Chrysotile <0.1 % pc Other Material: Non-Asbestos/Inert 50.1% Comment: Heat Sensitive (organic): 8.1%; Acid Soluble (inorganic): 41.8%; Inert (Non-asbestos): 50.1%			
2303280061RK-139 01 Location: Exterior, South Wall - West End / Exterior Stucco	923041111-02	Yes	Trace (<0.1 % pc) ¹ (by 1000 pt ct) by Megan A DeLara on 04/03/23
Analyst Description: Pink/Red/Grey, Homogeneous, Non-Fibrous, Cementitious, Stucco Asbestos Types: Chrysotile <0.1 % pc Other Material: Non-Asbestos/Inert 56.8% Comment: Heat Sensitive (organic): 12.4%; Acid Soluble (inorganic): 30.8%; Inert (Non-asbestos): 56.8%			
2303280061RK-140 01 Location: Exterior, South Wall - East End / Exterior Stucco	923041111-03	Yes	Trace (<0.1 % pc) ¹ (by 1000 pt ct) by Megan A DeLara on 04/03/23
Analyst Description: Pink/Red/Grey, Homogeneous, Non-Fibrous, Cementitious, Stucco Asbestos Types: Chrysotile <0.1 % pc Other Material: Non-Asbestos/Inert 51.9% Comment: Heat Sensitive (organic): 8.6%; Acid Soluble (inorganic): 39.4%; Inert (Non-asbestos): 51.9%			
2303280061RK-141 01 Location: Exterior, East Wall / Exterior Stucco	923041111-04	No	NAD ¹ (by 1000 pt ct) by Megan A DeLara on 04/03/23
Analyst Description: Pink/Red/Grey, Homogeneous, Non-Fibrous, Cementitious, Stucco Asbestos Types: Other Material: Non-Asbestos/Inert 63.2% Comment: Heat Sensitive (organic): 9.7%; Acid Soluble (inorganic): 27.2%; Inert (Non-asbestos): 63.2%			

Client Name: Executive Environmental Services Corporation

PLM Bulk Asbestos Report

23-Z0187-0061; Building 100, 400, 500, 600, 700,
Administration, MPR, Library / Media Center, Portable 801, 802,
803, 804, 805, 806, Rooms 807/808, Portables 900, 901, 902,
Covered Walkway,

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2303280061RK-142 01	923041111-05	Yes	Trace (<0.1 % pc) ¹ (by 1000 pt ct) by Megan A DeLara on 04/03/23
Location: Exterior, North Wall - East End / Exterior Stucco			
Analyst Description: Pink/Red/Grey, Homogeneous, Non-Fibrous, Cementitious, Stucco			
Asbestos Types: Chrysotile <0.1 % pc			
Other Material: Non-Asbestos/Inert 52.7%			
Comment: Heat Sensitive (organic): 18.0%; Acid Soluble (inorganic): 29.3%; Inert (Non-asbestos): 52.7%			

Reporting Notes:

(1) EPA 1000 Point Count Analysis performed on inert residue remaining after 480C heat and HCl acid treatments.

Analyzed by: Megan A DeLara
Date: 4/3/2023



Reviewed by: Thu M. Nguyen

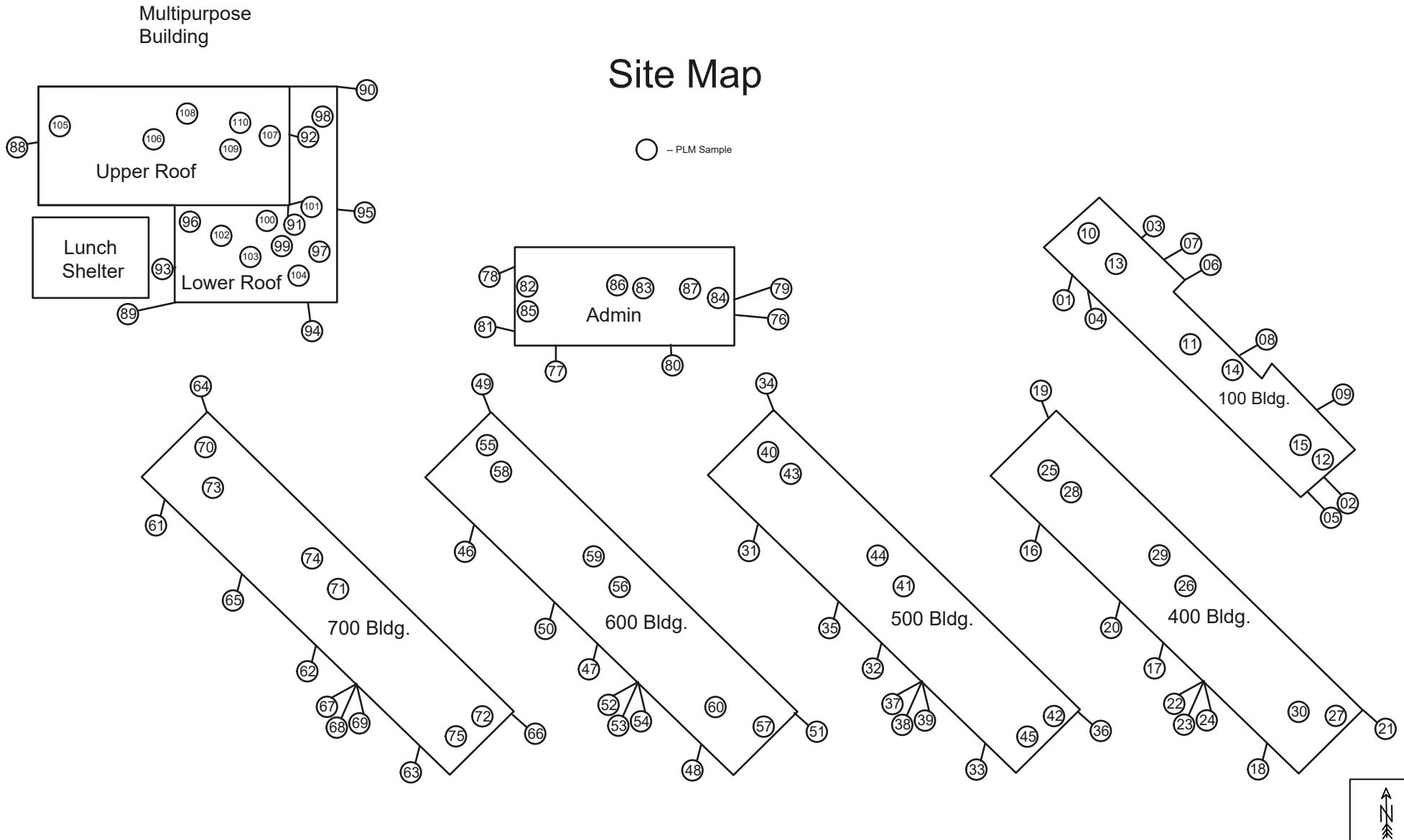


*NAD = no asbestos detected; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; NA = not analyzed; NA/PS = not analyzed / positive stop; NVA = No Visible Asbestos; PLM (polarized light microscopy) Bulk Asbestos Analysis by EPA 600/R-93/116, including requirements for EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200346-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laboratory. This PLM report relates ONLY to the items tested.

APPENDIX B – SITE DRAWING

Site Map

○ - PLM Sample



Client: Little Lake City SD

Project #: 23-Z0187-0061

Info: PLM Sample Locations (Page 1 of 3)

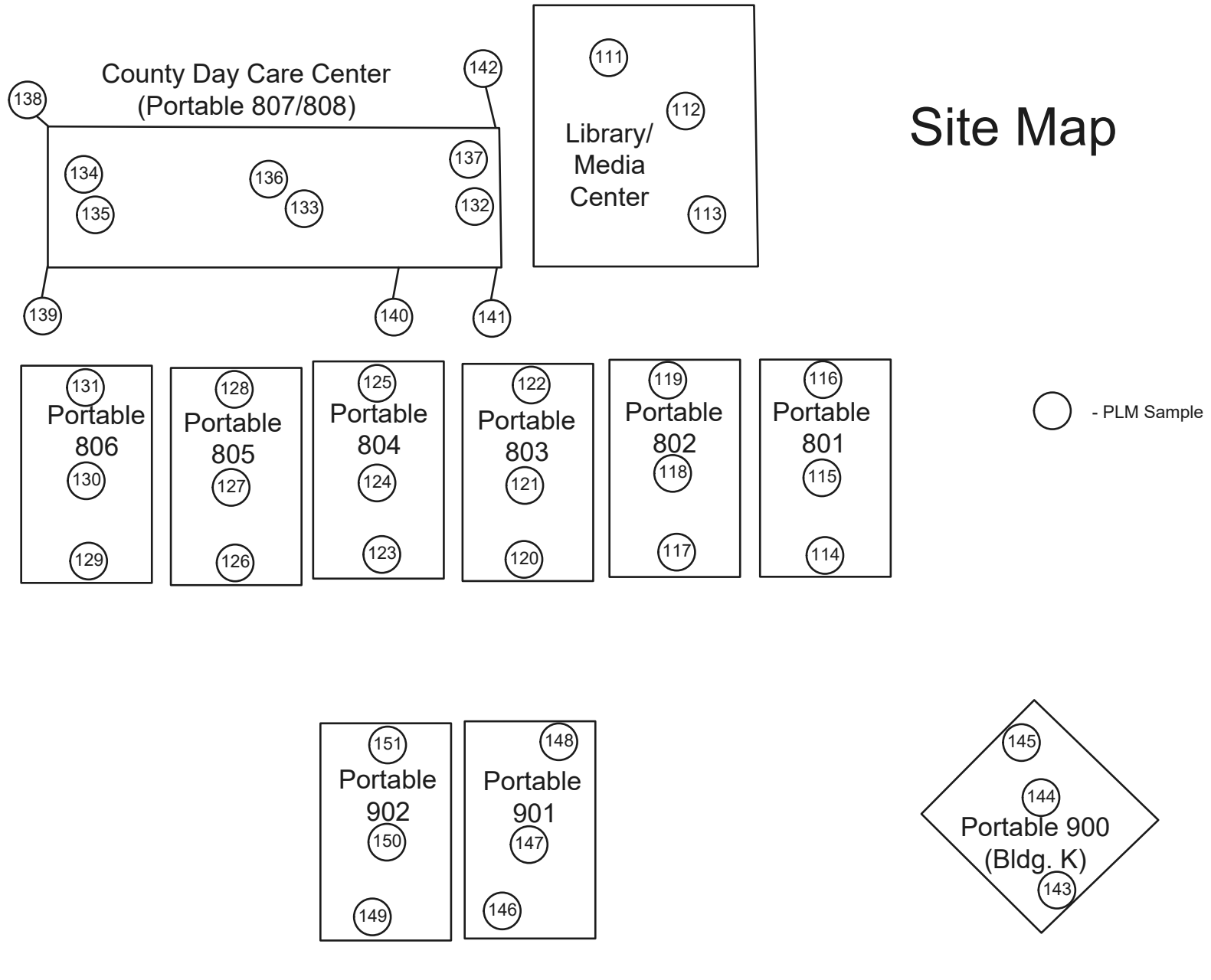


EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Site: Paddison ES
Address: 12100 Crewe Street
Norwalk, CA 90650

Drawing Not to Scale - © 2012

Site Map



Client: Little Lake City SD

Project #: 23-Z0187-0061

Info: PLM Sample Locations (Page 2 of 3)

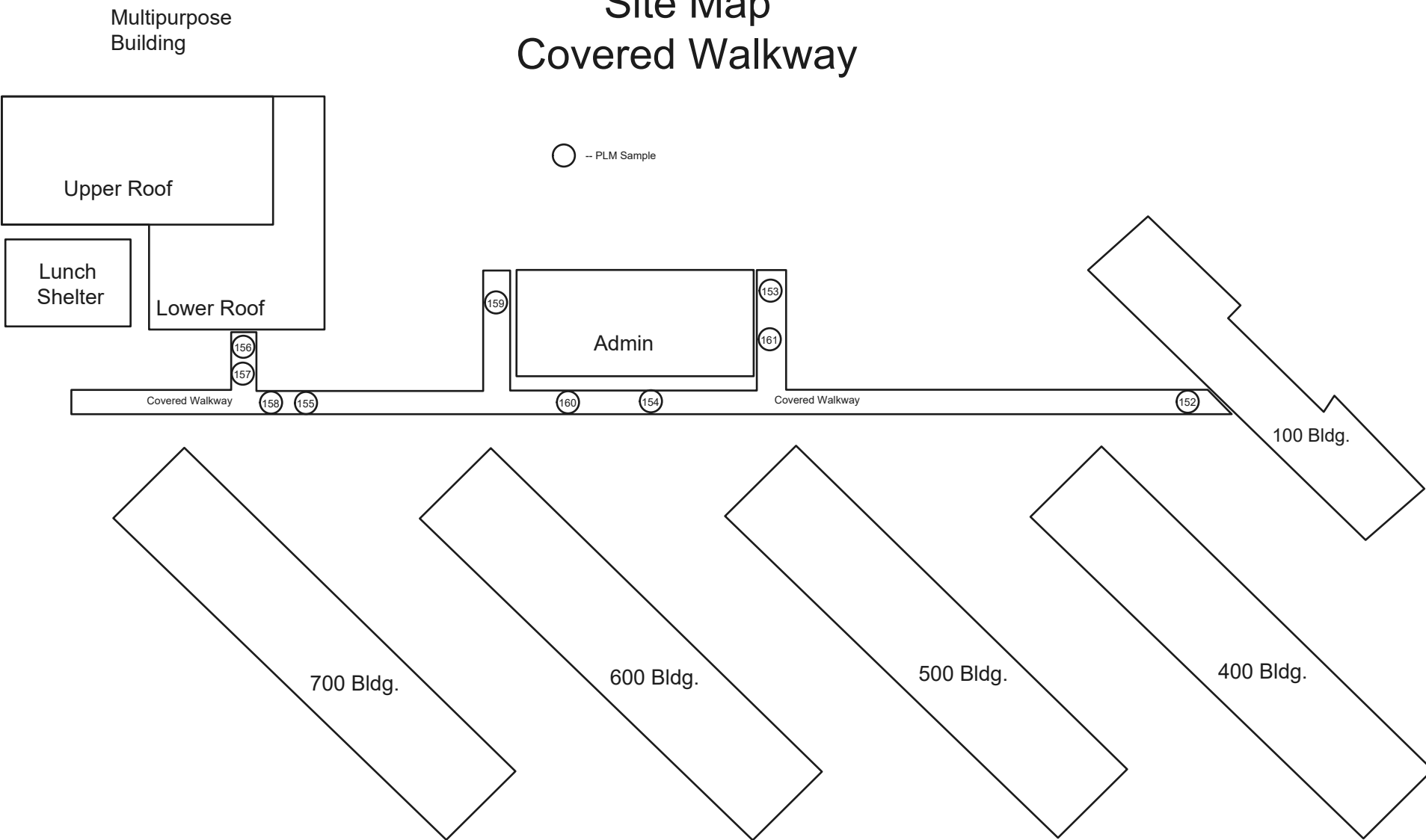


EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Site: Paddison ES
Address: 12100 Crewe Street
Norwalk, CA 90650

Drawing Not to Scale - © 2012

Site Map Covered Walkway



Client: Little Lake City SD

Project #: 23-Z0187-0061

Info: PLM Sample Locations (Page 3 of 3)



EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Site: Paddison ES
Address: 12100 Crewe Street
Norwalk, CA 90650

Drawing Not to Scale - © 2012

APPENDIX C – STAFF CERTIFICATION

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

Rhys D Kuzmic

Name

Certification No. **09-4586**

Expires on **01/20/24**

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.





Industrial Hygiene • Air Quality • Lead & Asbestos • Training • Health & Safety

LIMITED LEAD-BASED PAINT INSPECTION REPORT

Conducted at:

PADDISON ELEMENTARY SCHOOL
EXTERIOR PAINTING AND MINOR REPAIR PROJECT
12100 CREWE STREET
NORWALK, CALIFORNIA 90650

Prepared for:


MR. BRENT GRIFFEN
DIRECTOR OF MAINTENANCE AND OPERATIONS AND CUSTODIAL SERVICES
LITTLE LAKE CITY SCHOOL DISTRICT
10515 SOUTH PIONEER BOULEVARD
SANTA FE SPRINGS, CALIFORNIA 90670

Prepared by:

EXECUTIVE ENVIRONMENTAL
310 EAST FOOTHILL BOULEVARD, SUITE 200
ARCADIA, CALIFORNIA 91006

Project Number EE 23-Z0187-0061
April 13, 2023

Report assembled by:


Yesenia G. Galeana
Technical Report Writer
Executive Environmental

Report generated/reviewed by:



Tim Galeana, CDPH # 00395
Senior Project Manager
Executive Environmental

TABLE OF CONTENTS

- I. EXECUTIVE SUMMARY
- II. SAMPLING PROTOCOL
- III. SAMPLING METHODOLOGY
- IV. SAMPLE ANALYSIS
- V. CONCLUSIONS/RECOMMENDATIONS
- VI. DISCLAIMER/REPORT LIMITATIONS

APPENDICES

APPENDIX A – SITE DRAWINGS

APPENDIX B – XRF SUMMARY RESULTS

APPENDIX C – LEAD HAZARD EVALUATION REPORT

APPENDIX D – XRF PERFORMANCE CHARACTERISTICS SHEET

LIMITED LEAD-BASED PAINT INSPECTION

Project Number: EE 23-Z0187-0061

Client: Little Lake City School District
10515 South Pioneer Boulevard
Santa Fe Springs, California 90670

Site Location: Paddison Elementary School
Exterior Painting and Minor Repair Project
12100 Crewe Street
Norwalk, California 90650

Site Use: School Property

Contact Person: Mr. Brent Griffen
Director of M&O and Custodial Services
Phone: (562) 868-8241

Inspection Date Between: March 29 thru 31, 2023

Inspected By: Mr. Rhys Kuzmic
Certified Lead Professional, CDPH/LRC # 004395

Report Assembled By: Ms. Yesenia G. Galeana
Technical Report Writer

Report Generated/Reviewed By: Mr. Tim Galeana
Certified Lead Professional, CDPH/LRC # 3732

I. EXECUTIVE SUMMARY

Executive Environmental (EE) was retained by the Little Lake City School District to conduct a limited lead-based paint inspection of permanent buildings, portables and covered walkway at Paddison Elementary School, located at 12100 Crewe Street, Norwalk, California 90650. The inspection was conducted as a precursor to the upcoming Exterior Painting and Minor Repair Project. EE provided a California Department of Public Health Certified Lead Inspector to conduct the inspection. Regulated lead-based paint was detected during this inspection. EE's Certified Lead Professional (CLP) conducted these services on March 29 thru 31, 2023. *This is considered a limited inspection. The inspection was limited to exterior surfaces and components anticipated to be impacted by the Exterior Painting and Minor Repair Project, as directed by the client.*

II. SAMPLING PROTOCOL

According to the United States Department of Housing and Urban Development's (HUD) guideline document, Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing, and Section 1017 of Title X, Residential Lead-Based Paint Hazard

Reduction Act of 1992, Public Law 102-550, paint found to have a lead concentration of at least 1.0 mg/cm² (milligrams per centimeter squared) by X-Ray Fluorescence (XRF) analysis, or 0.5 percent (5000 parts per million) by weight, is regulated as lead-based paint.

Los Angeles County Childhood Lead Poisoning Prevention Program established in 1991, further regulates that paint found to have a lead concentration greater than 0.7 mg/cm² via XRF readings, or 0.06 weight-to-weight percent by Atomic Absorption Spectrometry (AAS) analysis, is considered to be lead-based paint. The Los Angeles County 0.7 mg/cm² action level was used for determining the lead-based paint in this inspection because it is more stringent than the HUD guidelines.

Any material containing any detectable level of lead is subject to the Occupational Safety and Health Administration's (OSHA) Lead Exposure in Construction Rule 29 Code of Federal Regulation (CFR) 1926.62 and California Code of Regulations Title 8, Section 1532.1 Lead (8CCR1532.1) and Title 8, Section 5198, Lead (8CCR5198). All work that disturbs this type of material must be performed in accordance with this and any other applicable standards.

All facilities built prior to 1979 for residential buildings and prior to 1993 for schools are suspect for lead-containing materials. Federal and state regulations recognize only the following methods of identification: analysis by an XRF instrument, paint bulk sample collection and analysis, or a combination of both. This inspection was conducted via XRF instrumentation. The parameters used to interpret the XRF results are outlined in the HUD guidelines and the XRF Performance Characteristics Sheets (PCS).

III. SAMPLING METHODOLOGY

A visual inspection of the exterior of the permanent buildings, portables and covered walkway was conducted by EE's CLP to identify major site features and surfaces and/or components suspected of being coated with lead-based paint that will be impacted by the roofing and painting projects. After identifying the materials suspected of being coated with a lead-based paint, EE grouped the components, substrates, and room equivalents into testing combinations. A testing combination is defined as the room equivalent, component, and substrate. A room equivalent is an identifiable part of a building (e.g., classrooms, restrooms, mechanical rooms, exterior). Color does not accurately indicate painting history and is not included when assigning testing combinations. If there was any reason to suspect that materials may have been installed or painted at different times even though they appeared uniform, they were assigned to separate testing combinations.

Following the visual inspection, screening for the presence of lead-based paint was performed on-site using a portable XRF instrument. The XRF has the ability to measure lead content in paint within the range of 0 to 50 milligrams per centimeter squared (mg/cm²). The on-site inspection capability of the XRF instrument typically reduces the number of paint-chip samples that may need to be collected and sent for laboratory analysis. The portable XRF instrument used in this inspection was manufactured by Niton Corporation.

The following specifications apply to the Niton XRF:

- Ability to report both the K and L shell line x-ray emission energies simultaneously and report the lead concentration in mg/cm².

- Accuracy for a single reading on all building materials within 0.2 mg/cm², at 95 percent confidence, at 0 to 1 mg/cm².
- Equipped with a 40 milli-curie (mCi) cadmium, 109-sealed, radioactive source. Substrate effects are automatically corrected through a complex algorithm and calibration.

IV. SAMPLE ANALYSIS

According to local state, and federal standards, the following surfaces and/or components that were analyzed with the Niton XRF instrument during this inspection are considered to be coated with a regulated lead-based paint.

XRF SAMPLE ANALYSIS DATA Paddison Elementary School ^A 12100 Crewe Street Norwalk, California 90650				
Location	Component	Substrate	Estimate Quantity	XRF Result Mg/cm ²
Administration Building				
Throughout exterior	Window frames	Metal	17 Window banks	2.2
Exterior, sides A & C	Overhangs and siding	Wood	20 Square Feet	1.2
Exterior	Fascia	Wood	210 Linear Feet	2
Exterior, side C (far east door)	Door frame	Metal	1 Total	0.8
Exterior, side D	Transom	Wood	1 Total	2
Multi-Purpose Building				
Throughout exterior	Overhangs and siding (peeling/damage)	Wood	950 Square Feet	7
Throughout exterior	Downspout	Metal	5 Total	0.9
Exterior, side C at Storage room	Door frame	Metal	1 Total	0.8
Exterior, side B upper vents	Vent	Metal	2 Total	1

Note: This table must be used in conjunction with the entire report.

XRF results continue on the next page.

^A NOTE: 1) Parking lots and Playgrounds are not in scope.

XRF SAMPLE ANALYSIS DATA				
Paddison Elementary School 12100 Crewe Street Norwalk, California 90650				
Location	Component	Substrate	Estimate Quantity	XRF Result Mg/cm²
100 Building				
Exterior, sides A & C above classroom doors	Transom	Wood	4 Total	1.6
Throughout exterior	Windows frames	Metal	34 Window banks	2.2
Exterior, sides A & C	Overhangs and siding	Wood	1,500 Square Feet	3
Throughout exterior	Fascia	Wood	320 Linear Feet	2.2
400 Building				
Exterior, side A	Vent	Metal	4 Total	1.1
Exterior, side C above doors	Transom	Wood	8 Total	1.7
Exterior, side C	Windows frames	Metal	16 Window banks	1.5
Exterior, sides A & C	Overhangs and siding	Wood	1,500 Square Feet	3
Throughout exterior	Fascia	Wood	360 Linear Feet	1
500 Building				
Exterior, side A	Vent	Metal	4 Total	0.9
Exterior, side C above doors	Transom	Wood	8 Total	2.3
Exterior, side C	Windows frames	Metal	16 Window banks	1
Exterior, sides A & C	Overhangs and siding	Wood	1,500 Square Feet	1.9
Throughout exterior	Fascia	Wood	360 Linear Feet	1.7

Note: This table must be used in conjunction with the entire report.

XRF results continue on the next page.

XRF SAMPLE ANALYSIS DATA				
Paddison Elementary School 12100 Crewe Street Norwalk, California 90650				
Location	Component	Substrate	Estimate Quantity	XRF Result Mg/cm²
600 Building				
Exterior, side C above doors	Transom	Wood	8 Total	2.1
Exterior, side C	Windows frames	Metal	16 Window banks	1.7
Exterior, sides A & C	Overhangs and siding	Wood	1,500 Square Feet	1.9
Throughout exterior	Fascia	Wood	360 Linear Feet	1.1
700 Building				
Exterior, side A	Vent	Metal	4 Total	0.1.79
Exterior, side C above doors	Transom	Wood	8 Total	1.7
Exterior, side C	Windows frames	Metal	16 Window banks	1.8
Exterior, sides A & C	Overhangs and siding	Wood	1,500 Square Feet	2.3
Throughout exterior	Fascia	Wood	360 Linear Feet	2.1
Covered Walkway				
Throughout ceiling	Conduit	Metal	280 Linear Feet	2.9
County Day Care Center (Portable 807/808)				
Exterior, sides A thru D	Overhangs (cracked)	Wood	500 Square Feet	1.3
Lunch Shelter				
No regulated lead-based paint was identified on the exterior surfaces or components of Lunch Shelter.				
Library-Media Center				
No regulated lead-based paint was identified on the exterior surfaces or components of Library-Media Center.				

Note: This table must be used in conjunction with the entire report.

XRF results continue on the next page

XRF SAMPLE ANALYSIS DATA				
Paddison Elementary School 12100 Crewe Street Norwalk, California 90650				
Location	Component	Substrate	Estimate Quantity	XRF Result Mg/cm ²
Portables^B				
No regulated lead-based paint was identified on the exterior surfaces or components of 801, 802, 803, 804, 805, 806, 900, 901, 902				

Note: This table must be used in conjunction with the entire report.

V. CONCLUSIONS/RECOMMENDATIONS

EE conducted a limited lead-based paint inspection of permanent buildings, portables and covered walkway at Paddison Elementary School, located at 12100 Crewe Street, Norwalk, California 90650. The following conclusions and/or recommendations apply:

Limited Lead-Based Paint Inspection

- Exterior painted surfaces and components of the permanent buildings, portables and covered walkway at Paddison Elementary School were tested via the Niton XRF for the presence of lead.
- The items listed in the previous tables were identified as being coated with a regulated lead-based paint.
- The surfaces/components were observed to be in intact to poor condition during this inspection.
- A fully representative number of XRF readings were taken at the project site. The results of these assays are presented in the XRF Summary Results spreadsheets.

It is recommended that all renovation, remodeling, construction, or demolition actions that might potentially disturb surfaces covered with lead-based paint and/or ceramic glaze be performed by properly trained and qualified personnel.

VI. DISCLAIMER/REPORT LIMITATIONS

All reports and recommendations are based on conditions and practices observed and information made available to Executive Environmental (EE) by the client and the designated sites/facilities on the days sampling was conducted. This report does not purport to set forth all hazards, nor to indicate that other hazards do not exist. No responsibility is assumed by EE for the control or correction of conditions or practices existing at the facilities, or at any other premises surveyed by EE, for and on the behalf of the client. Services provided by EE shall be governed by the standard of practice for professional services measured at the time those services are rendered.

^B NOTE: 1) Metal windows frame, not coated.

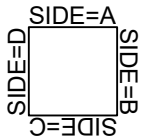
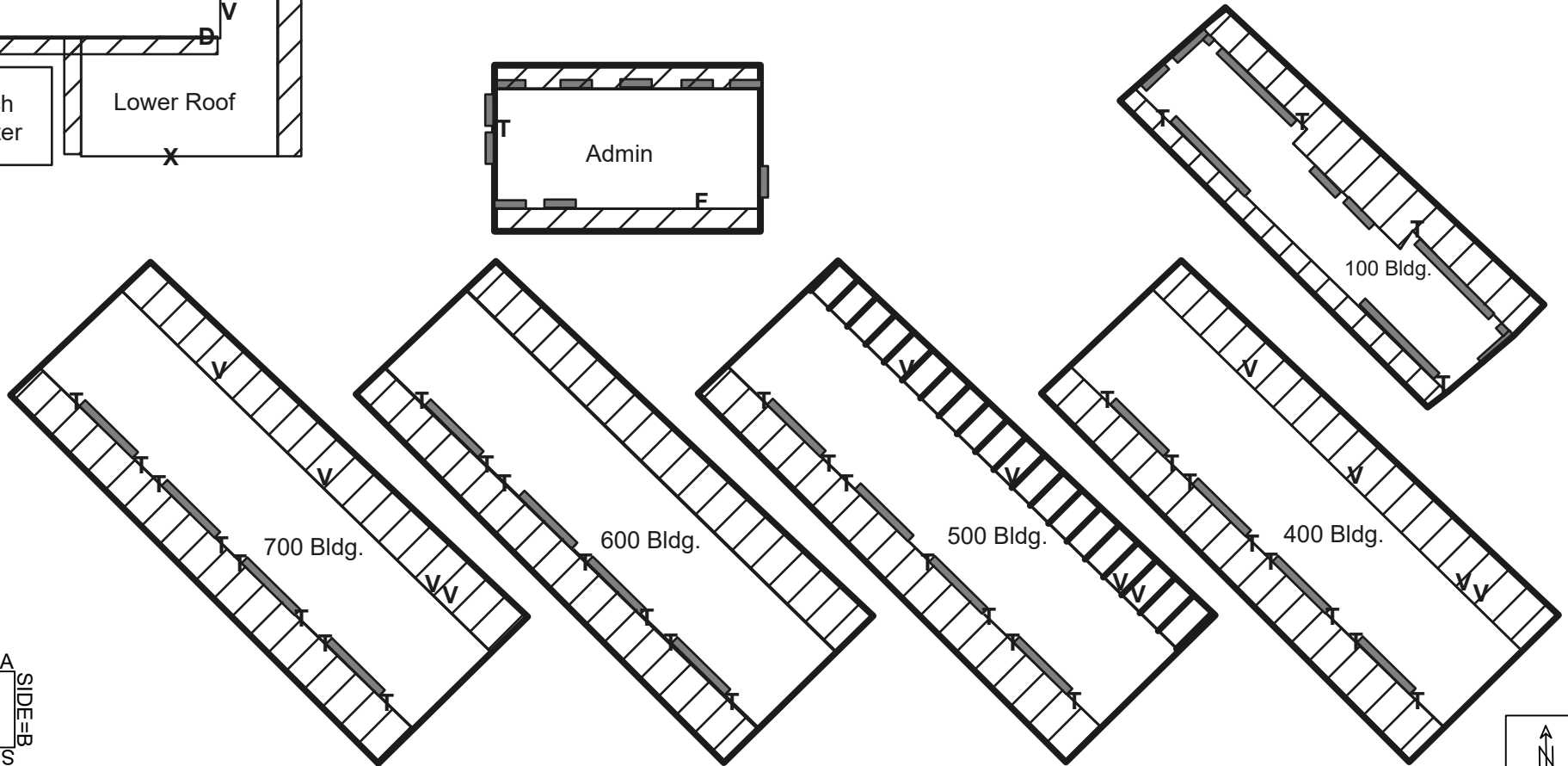
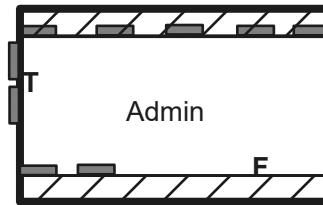
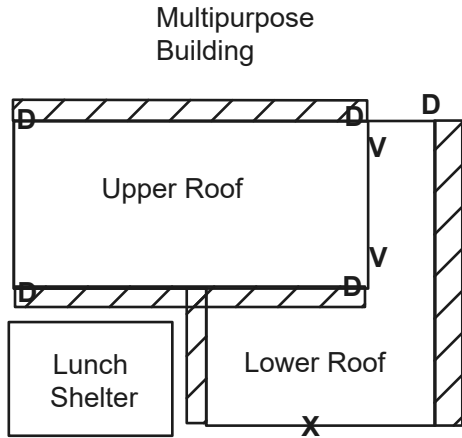
All information contained in this report is proprietary and limited to the scope of services, parameters of the analytical methods used and the conditions present at the time of this inspection. Any references to quantities are considered estimates and are not to be construed as actual.

APPENDIX A – SITE DRAWINGS

Site Map

Legend:

- V - Metal Vent
- D - Metal Downspout
- X - Metal Door
- F - Metal Door Frame
- T - Wood Transom
- Metal Window Frame
- Wood Overhang & Siding
- Wood Fascia



Client: Little Lake City SD

Project #: 23-Z0187-0061

Info: Lead-Based Paint Identified (Page 1 of 3)

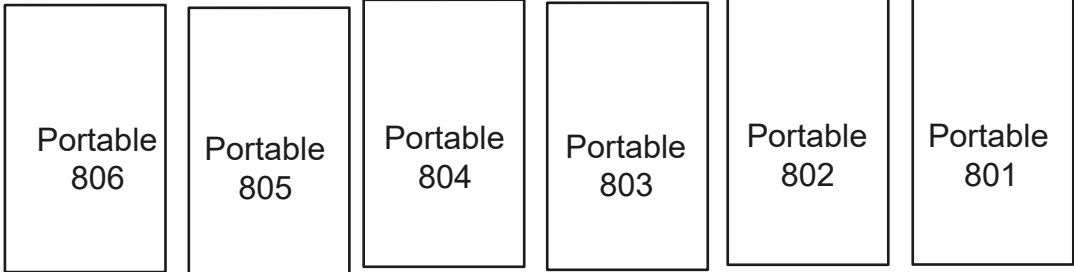


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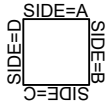
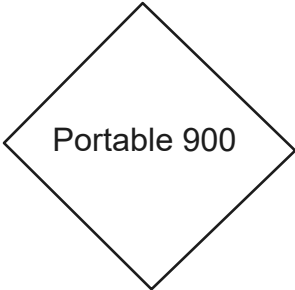
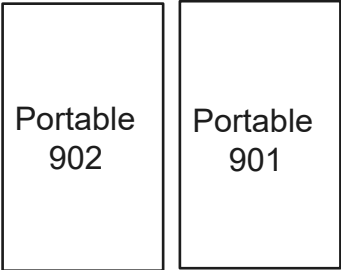
Site: Paddison ES
Address: 12100 Crewe Street
Norwalk, CA 90650

Drawing Not to Scale - © 2012

Site Map



Legend:



Client: Little Lake City SD

Project #: 23-Z0187-0061

Info: Lead-Based Paint Identified (Page 2 of 3)

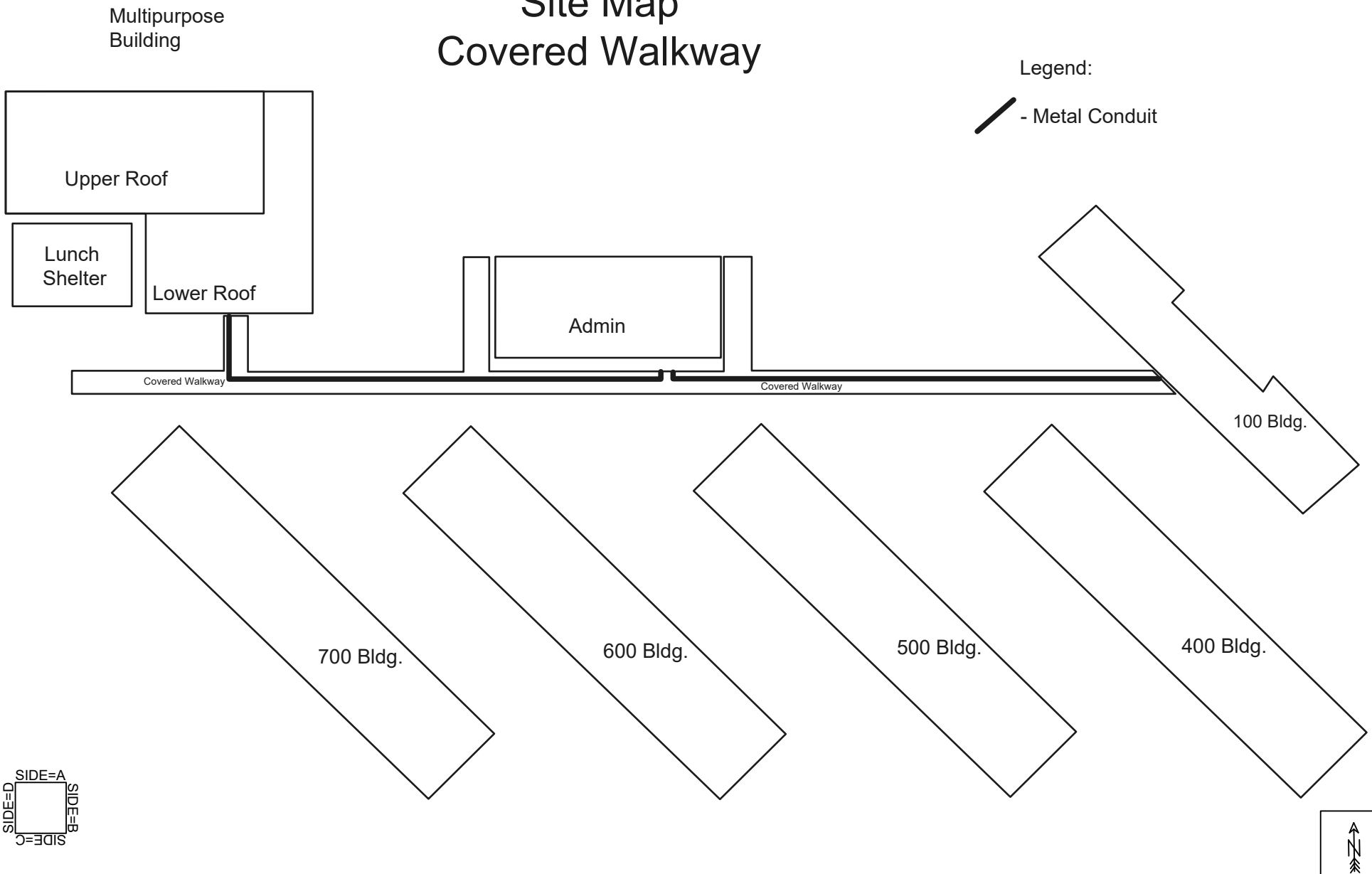


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Site: Paddison ES
Address: 12100 Crewe Street
Norwalk, CA 90650

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Site Map Covered Walkway



Client: Little Lake City SD

Project #: 23-Z0187-0061

Info: Lead-Based Paint Identified (Page 3 of 3)



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Site: Paddison ES
Address: 12100 Crewe Street
Norwalk, CA 90650

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APPENDIX B – XRF SUMMARY RESULTS

Little Lake City School District
Paddison Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
1	3/29/23	Paint			Shutter calibrate							0.73
2	3/29/23	Paint			Calibrate					Positive	0.7	0.8
3	3/29/23	Paint			Calibrate					Null	0.7	0.7
4	3/29/23	Paint			Calibrate					Positive	0.7	1
5	3/29/23	Paint			Calibrate					Null	0.7	< LOD
6	3/29/23	Paint			Calibrate					Positive	0.7	1
7	3/29/23	Paint			Calibrate					Positive	0.7	1
8	3/29/23	Paint			Calibrate		Calibrate			Positive	0.7	1
9	3/29/23	Paint	Administration Building	Exterior	Door	Metal	A	Intact	Blue	Negative	0.7	< LOD
10	3/29/23	Paint	Administration Building	Exterior	Door frame	Metal	A	Intact	Blue	Negative	0.7	< LOD
11	3/29/23	Paint	Administration Building	Exterior	Wall	Brick	A	Intact	Red	Negative	0.7	< LOD
12	3/29/23	Paint	Administration Building	Exterior	Window frame	Metal	A	Intact	Yellow	Positive	0.7	2.2
13	3/29/23	Paint	Administration Building	Exterior	Conduit	Metal	A	Intact	Red	Negative	0.7	< LOD
14	3/29/23	Paint	Administration Building	Exterior	Window panel	Wood	A	Intact	Yellow	Negative	0.7	< LOD
15	3/29/23	Paint	Administration Building	Exterior	Downspout	Metal	A	Intact	Red	Negative	0.7	< LOD
16	3/29/23	Paint	Administration Building	Exterior	Wall signage	Brick	A	Intact	Red	Negative	0.7	< LOD
17	3/29/23	Paint	Administration Building	Exterior	Wall signage	Brick	A	Intact	Gray	Negative	0.7	< LOD

Little Lake City School District
Paddison Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
18	3/29/23	Paint	Administration Building	Exterior	Conduit	Metal	A	Intact	Red	Negative	0.7	< LOD
19	3/29/23	Paint	Administration Building	Exterior	Paddison sign	Metal	A	Intact	Black	Negative	0.7	< LOD
20	3/29/23	Paint	Administration Building	Exterior	Overhang	Wood	A	Intact	Yellow	Null	0.7	0.8
21	3/29/23	Paint	Administration Building	Exterior	Overhang	Wood	A	Intact	Yellow	Negative	0.7	< LOD
22	3/29/23	Paint	Administration Building	Exterior	Overhang	Wood	A	Intact	Yellow	Positive	0.7	1.2
23	3/29/23	Paint	Administration Building	Exterior	Fascia	Wood	A	Intact	Blue	Positive	0.7	2
24	3/29/23	Paint	Administration Building	Exterior	Drip edge	Metal	A	Intact	Blue	Negative	0.7	< LOD
25	3/29/23	Paint	Administration Building	Exterior	Wall signage	Brick	A	Intact	Blue	Negative	0.7	< LOD
26	3/29/23	Paint	Administration Building	Exterior	Wall signage	Brick	A	Intact	Yellow	Null	0.7	< LOD
27	3/29/23	Paint	Administration Building	Exterior	Wall signage	Brick	A	Intact	Yellow	Negative	0.7	< LOD
28	3/29/23	Paint	Administration Building	Exterior	Transom	Wood	A	Intact	Yellow	Negative	0.7	0
29	3/29/23	Paint	Administration Building	Exterior	Floor stripe	Concrete	A	Intact	Yellow	Negative	0.7	0
30	3/29/23	Paint	Administration Building	Exterior	Wall	Brick	B	Intact	Red	Negative	0.7	0
31	3/29/23	Paint	Administration Building	Exterior	Door	Metal	B	Intact	Blue	Negative	0.7	0

Little Lake City School District
Paddison Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
32	3/29/23	Paint	Administration Building	Exterior	Door frame	Metal	B	Intact	Blue	Negative	0.7	0
33	3/29/23	Paint	Administration Building	Exterior	Transom	Wood	B	Intact	Yellow	Negative	0.7	0.24
34	3/29/23	Paint	Administration Building	Exterior	Window panel	Wood	B	Intact	Yellow	Negative	0.7	0
35	3/29/23	Paint	Administration Building	Exterior	Conduit	Metal	B	Intact	Red	Negative	0.7	0.09
36	3/29/23	Paint	Administration Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	0
37	3/29/23	Paint	Administration Building	Exterior	Conduit	Metal	C	Intact	Red	Negative	0.7	0.04
38	3/29/23	Paint	Administration Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	< LOD
39	3/29/23	Paint	Administration Building	Exterior	Door frame	Metal	C	Intact	Blue	Positive	0.7	0.8
40	3/29/23	Paint	Administration Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
41	3/29/23	Paint	Administration Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
42	3/29/23	Paint	Administration Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
43	3/29/23	Paint	Administration Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
44	3/29/23	Paint	Administration Building	Exterior	Downspout	Metal	C	Intact	Red	Negative	0.7	0.3
45	3/29/23	Paint	Administration Building	Exterior	Wall	Brick	D	Intact	Red	Negative	0.7	0

Little Lake City School District
Paddison Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
46	3/29/23	Paint	Administration Building	Exterior	Door	Metal	D	Intact	Blue	Negative	0.7	0
47	3/29/23	Paint	Administration Building	Exterior	Door frame	Metal	D	Intact	Blue	Negative	0.7	0
48	3/29/23	Paint	Administration Building	Exterior	Transom	Wood	D	Intact	Yellow	Null	0.7	2.9
49	3/29/23	Paint	Administration Building	Exterior	Transom	Wood	D	Intact	Yellow	Positive	0.7	2
50	3/29/23	Paint	Administration Building	Exterior	Wall	Concrete	D	Intact	Red	Negative	0.7	0
51	3/29/23	Paint	MPR Building	Exterior	Wall	Brick	A	Intact	Red	Negative	0.7	0
52	3/29/23	Paint	MPR Building	Exterior	Downspout	Metal	A	Intact	Red	Positive	0.7	0.9
53	3/29/23	Paint	MPR Building	Exterior	Window frame	Metal	A	Intact	Blue	Negative	0.7	0
54	3/29/23	Paint	MPR Building	Exterior	Door	Metal	A	Intact	Blue	Negative	0.7	0
55	3/29/23	Paint	MPR Building	Exterior	Door frame	Metal	A	Intact	Blue	Negative	0.7	0.5
56	3/29/23	Paint	MPR Building	Exterior	Door	Metal	B	Intact	Blue	Negative	0.7	0
57	3/29/23	Paint	MPR Building	Exterior	Door frame	Metal	B	Intact	Blue	Negative	0.7	0.29
58	3/29/23	Paint	MPR Building	Exterior	Window frame	Metal	B	Intact	Blue	Negative	0.7	0
59	3/29/23	Paint	MPR Building	Exterior	Door	Metal	B	Intact	Blue	Negative	0.7	0
60	3/29/23	Paint	MPR Building	Exterior	Door frame	Metal	B	Intact	Blue	Negative	0.7	0.5
61	3/29/23	Paint	MPR Building	Exterior	Overhang	Wood	B	Intact	Beige	Null	0.7	0.7
62	3/29/23	Paint	MPR Building	Exterior	Overhang	Wood	B	Intact	Beige	Positive	0.7	0.7
63	3/29/23	Paint	MPR Building	Exterior	Vent	Metal	B	Intact	Red	Negative	0.7	< LOD
64	3/29/23	Paint	MPR Building	Exterior	Gutter	Metal	B	Intact	Green	Negative	0.7	0
65	3/29/23	Paint	MPR Building	Exterior	Drip edge	Metal	B	Intact	Green	Negative	0.7	0
66	3/29/23	Paint	MPR Building	Exterior	Fascia	Wood	B	Intact	Green	Negative	0.7	0.5
67	3/29/23	Paint	MPR Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	0
68	3/29/23	Paint	MPR Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
69	3/29/23	Paint	MPR Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0.19

Little Lake City School District
Paddison Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
70	3/29/23	Paint	MPR Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
71	3/29/23	Paint	MPR Building	Exterior	Door frame	Metal	C	Intact	Blue	Positive	0.7	0.8
72	3/29/23	Paint			Calibrate					Positive	0.7	1
73	3/29/23	Paint			Calibrate					Positive	0.7	1
74	3/29/23	Paint			Calibrate					Positive	0.7	1
75	3/29/23	Paint	MPR Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	0
76	3/29/23	Paint	MPR Building	Exterior	Wall	Brick	D	Intact	Red	Negative	0.7	0
77	3/29/23	Paint	MPR Building	Exterior	Door	Metal	D	Intact	Blue	Negative	0.7	0
78	3/29/23	Paint	MPR Building	Exterior	Door frame	Metal	D	Intact	Blue	Negative	0.7	0.11
79	3/29/23	Paint	MPR Building	Exterior	Window frame	Metal	D	Intact	Blue	Negative	0.7	0
80	3/29/23	Paint	MPR Building	Exterior	Wall	Brick	D	Intact	Red	Negative	0.7	0
81	3/29/23	Paint	MPR Building	Exterior	Door	Metal	D	Intact	Blue	Negative	0.7	0
82	3/29/23	Paint	MPR Building	Exterior	Door frame	Metal	D	Intact	Blue	Negative	0.7	0.4
83	3/29/23	Paint	MPR Building	Exterior	Roll-up door	Metal	D	Intact	Gray	Negative	0.7	0
84	3/29/23	Paint	MPR Building	Exterior	Vent	Metal	C	Intact	Red	Null	0.7	0.13
85	3/29/23	Paint	MPR Building	Exterior	Vent	Metal	C	Intact	Red	Negative	0.7	< LOD
86	3/29/23	Paint	MPR Building	Exterior	Conduit	Metal	C	Intact	Red	Negative	0.7	0
87	3/29/23	Paint	MPR Building	Exterior	Fascia	Wood	C	Intact	Green	Negative	0.7	0.15
88	3/29/23	Paint	MPR Building	Exterior	Drip edge	Metal	C	Intact	Green	Negative	0.7	0
89	3/29/23	Paint	MPR Building	Exterior	Fascia	Wood	C	Intact	Green	Negative	0.7	0.5
90	3/29/23	Paint	MPR Building	Exterior	Gutter	Metal	C	Peeling	Green	Negative	0.7	0.01
91	3/29/23	Paint	MPR Building	Exterior	Fascia	Wood	B	Intact	Green	Negative	0.7	0.5
92	3/29/23	Paint	MPR Building	Exterior	Vent	Metal	B	Peeling	Red	Positive	0.7	1
93	3/29/23	Paint	MPR Building	Exterior	Fascia	Wood	B	Intact	Green	Negative	0.7	0.4
94	3/29/23	Paint	MPR Building	Exterior	Drip edge	Metal	B	Intact	Green	Negative	0.7	0
95	3/29/23	Paint	MPR Building	Exterior	Electrical box	Metal	B	Intact	Gray	Negative	0.7	0
96	3/29/23	Paint	MPR Building	Exterior	HVAC unit	Metal	Roof	Intact	Beige	Negative	0.7	0
97	3/29/23	Paint	MPR Building	Exterior	Vent	Metal	C	Intact	Red	Negative	0.7	0.17
98	3/29/23	Paint	MPR Building	Exterior	Conduit	Metal	C	Intact	Red	Negative	0.7	0

Little Lake City School District
Paddison Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
99	3/29/23	Paint	MPR Building	Exterior	Floor stripe	Concrete	C	Intact	Yellow	Negative	0.7	0
100	3/29/23	Paint	MPR Building	Exterior	Fascia	Wood	A	Intact	Green	Negative	0.7	0
101	3/29/23	Paint	MPR Building	Exterior	Drip edge	Metal	A	Intact	Green	Negative	0.7	0
102	3/29/23	Paint			Calibrate					Positive	0.7	1
103	3/29/23	Paint			Calibrate					Positive	0.7	1
104	3/29/23	Paint			Calibrate					Positive	0.7	1
105	3/30/23	Paint			Shutter calibrate							0.7
106	3/30/23	Paint			Calibrate					Positive	0.7	1.1
107	3/30/23	Paint			Calibrate					Positive	0.7	1
108	3/30/23	Paint			Calibrate					Positive	0.7	1
109	3/30/23	Paint	100 Building	Exterior	Door	Metal	A	Intact	Blue	Negative	0.7	< LOD
110	3/30/23	Paint	100 Building	Exterior	Door frame	Metal	A	Intact	Blue	Negative	0.7	< LOD
111	3/30/23	Paint	100 Building	Exterior	Door	Metal	A	Intact	Blue	Negative	0.7	< LOD
112	3/30/23	Paint	100 Building	Exterior	Door frame	Metal	A	Intact	Blue	Negative	0.7	< LOD
113	3/30/23	Paint	100 Building	Exterior	Transom	Wood	A	Intact	Beige	Positive	0.7	1.6
114	3/30/23	Paint	100 Building	Exterior	Wall	Brick	A	Intact	Red	Negative	0.7	< LOD
115	3/30/23	Paint	100 Building	Exterior	Window frame	Metal	A	Intact	Beige	Positive	0.7	2.2
116	3/30/23	Paint	100 Building	Exterior	Wall	Brick	B	Intact	Red	Negative	0.7	< LOD
117	3/30/23	Paint	100 Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	< LOD
118	3/30/23	Paint	100 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	< LOD
119	3/30/23	Paint	100 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	< LOD
120	3/30/23	Paint	100 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	< LOD
121	3/30/23	Paint	100 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	< LOD
122	3/30/23	Paint	100 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	< LOD
123	3/30/23	Paint	100 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	< LOD
124	3/30/23	Paint	100 Building	Exterior	Window panel	Wood	C	Intact	Red	Negative	0.7	< LOD
125	3/30/23	Paint	100 Building	Exterior	Floor stripe	Concrete	C	Intact	Yellow	Negative	0.7	< LOD
126	3/30/23	Paint	100 Building	Exterior	Vent	Metal	C	Intact	Red	Null	0.7	< LOD

Little Lake City School District
Paddison Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
127	3/30/23	Paint	100 Building	Exterior	Vent	Metal	C	Intact	Red	Negative	0.7	< LOD
128	3/30/23	Paint	100 Building	Exterior	Conduit	Metal	C	Intact	Red	Negative	0.7	< LOD
129	3/30/23	Paint	100 Building	Exterior	Electrical box	Metal	C	Intact	Red	Negative	0.7	< LOD
130	3/30/23	Paint	100 Building	Exterior	Electrical box	Metal	C	Intact	Red	Negative	0.7	< LOD
131	3/30/23	Paint	100 Building	Exterior	Conduit	Metal	C	Intact	Beige	Negative	0.7	< LOD
132	3/30/23	Paint	100 Building	Exterior	Overhang	Wood	C	Intact	Beige	Positive	0.7	3
133	3/30/23	Paint	100 Building	Exterior	Fascia	Wood	C	Intact	Green	Positive	0.7	2.2
134	3/30/23	Paint	100 Building	Exterior	Drip edge	Metal	C	Intact	Green	Negative	0.7	< LOD
135	3/30/23	Paint	100 Building	Exterior	Drip edge	Metal	A	Intact	Green	Negative	0.7	< LOD
136	3/30/23	Paint	100 Building	Exterior	Floor stripe	Concrete	A	Intact	Yellow	Negative	0.7	< LOD
137	3/30/23	Paint	400 Building	Exterior	Wall	Brick	A	Intact	Red	Negative	0.7	< LOD
138	3/30/23	Paint	400 Building	Exterior	Vent	Metal	A	Intact	Red	Positive	0.7	1.1
139	3/30/23	Paint	400 Building	Exterior	Wall	Brick	B	Intact	Red	Negative	0.7	< LOD
140	3/30/23	Paint	400 Building	Exterior	Window panel	Wood	B	Intact	Red	Negative	0.7	< LOD
141	3/30/23	Paint	400 Building	Exterior	Door	Metal	B	Intact	Blue	Negative	0.7	< LOD
142	3/30/23	Paint	400 Building	Exterior	Door frame	Metal	B	Intact	Blue	Negative	0.7	< LOD
143	3/30/23	Paint	400 Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	< LOD
144	3/30/23	Paint	400 Building	Exterior	Backpack hanger	Wood	C	Intact	White	Negative	0.7	< LOD
145	3/30/23	Paint	400 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	< LOD
146	3/30/23	Paint	400 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	< LOD
147	3/30/23	Paint	400 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	< LOD
148	3/30/23	Paint	400 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	< LOD
149	3/30/23	Paint	400 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	< LOD
150	3/30/23	Paint	400 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	< LOD
151	3/30/23	Paint	400 Building	Exterior	Wall	Stucco	C	Intact	Red	Negative	0.7	< LOD
152	3/30/23	Paint	400 Building	Exterior	Pipe	Metal	C	Intact	Red	Negative	0.7	< LOD
153	3/30/23	Paint	400 Building	Exterior	Window panel	Wood	C	Intact	Red	Negative	0.7	< LOD
154	3/30/23	Paint	400 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	< LOD
155	3/30/23	Paint	400 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	< LOD

Little Lake City School District
Paddison Elementary School

Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
156	3/30/23	Paint	400 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	< LOD
157	3/30/23	Paint	400 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	< LOD
158	3/30/23	Paint	400 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	< LOD
159	3/30/23	Paint	400 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	< LOD
160	3/30/23	Paint	400 Building	Exterior	Backpack hanger	Wood	C	Intact	Beige	Negative	0.7	< LOD
161	3/30/23	Paint	400 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	< LOD
162	3/30/23	Paint	400 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	< LOD
163	3/30/23	Paint	400 Building	Exterior	Pipe	Metal	C	Intact	Red	Negative	0.7	< LOD
164	3/30/23	Paint	400 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	< LOD
165	3/30/23	Paint	400 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	< LOD
166	3/30/23	Paint	400 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	< LOD
167	3/30/23	Paint	400 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	< LOD
168	3/30/23	Paint	400 Building	Exterior	Wall	Brick	D	Intact	Red	Negative	0.7	< LOD
169	3/30/23	Paint	400 Building	Exterior	Conduit	Metal	D	Intact	Red	Negative	0.7	< LOD
170	3/30/23	Paint	400 Building	Exterior	Conduit	Metal	D	Intact	Red	Negative	0.7	< LOD
171	3/30/23	Paint	400 Building	Exterior	Floor stripe	Concrete	C	Intact	Yellow	Negative	0.7	< LOD
172	3/30/23	Paint	400 Building	Exterior	Transom	Wood	C	Intact	Beige	Positive	0.7	1.7
173	3/30/23	Paint	400 Building	Exterior	Window frame	Metal	C	Intact	Beige	Positive	0.7	1.5
174	3/30/23	Paint	400 Building	Exterior	Overhang	Wood	C	Intact	Beige	Positive	0.7	3
175	3/30/23	Paint	400 Building	Exterior	Fascia	Wood	C	Intact	Green	Positive	0.7	1
176	3/30/23	Paint	400 Building	Exterior	Drip edge	Metal	C	Intact	Green	Negative	0.7	< LOD
177	3/30/23	Paint	400 Building	Exterior	Drip edge	Metal	B	Intact	Green	Negative	0.7	< LOD
178	3/30/23	Paint	400 Building	Exterior	Conduit	Metal	D	Intact	Green	Negative	0.7	< LOD
179	3/30/23	Paint	400 Building	Exterior	Drip edge	Metal	D	Intact	Green	Negative	0.7	< LOD
180	3/30/23	Paint	400 Building	Exterior	Conduit	Metal	D	Intact	Beige	Negative	0.7	0
181	3/30/23	Paint	500 Building	Exterior	Wall	Brick	A	Intact	Red	Negative	0.7	0
182	3/30/23	Paint	500 Building	Exterior	Conduit	Metal	C	Intact	Red	Negative	0.7	0
183	3/30/23	Paint	500 Building	Exterior	Pipe	Metal	A	Intact	Red	Negative	0.7	0.01
184	3/30/23	Paint	500 Building	Exterior	Vent	Metal	A	Intact	Red	Negative	0.7	0.01

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
185	3/30/23	Paint	500 Building	Exterior	Vent	Metal	A	Intact	Red	Positive	0.7	0.9
186	3/30/23	Paint	500 Building	Exterior	Wall	Brick	B	Intact	Red	Negative	0.7	0
187	3/30/23	Paint	500 Building	Exterior	Window panel	Wood	B	Peeling	Red	Negative	0.7	0
188	3/30/23	Paint	500 Building	Exterior	Door	Metal	B	Intact	Blue	Negative	0.7	0
189	3/30/23	Paint	500 Building	Exterior	Door frame	Metal	B	Intact	Blue	Negative	0.7	0
190	3/30/23	Paint	500 Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	0
191	3/30/23	Paint	500 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
192	3/30/23	Paint	500 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
193	3/30/23	Paint	500 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
194	3/30/23	Paint	500 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
195	3/30/23	Paint	500 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
196	3/30/23	Paint	500 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
197	3/30/23	Paint	500 Building	Exterior	Wall	Stucco	C	Intact	Red	Negative	0.7	0
198	3/30/23	Paint	500 Building	Exterior	Window panel	Wood	C	Intact	Red	Negative	0.7	0
199	3/30/23	Paint	500 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
200	3/30/23	Paint	500 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
201	3/30/23	Paint	500 Building	Exterior	Backpack hanger	Wood	C	Intact	Beige	Negative	0.7	0
202	3/30/23	Paint	500 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
203	3/30/23	Paint	500 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
204	3/30/23	Paint	500 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
205	3/30/23	Paint	500 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
206	3/30/23	Paint	500 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
207	3/30/23	Paint	500 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
208	3/30/23	Paint	500 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
209	3/30/23	Paint	500 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
210	3/30/23	Paint	500 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
211	3/30/23	Paint	500 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
212	3/30/23	Paint	500 Building	Exterior	Floor stripe	Concrete	C	Intact	Yellow	Negative	0.7	0
213	3/30/23	Paint	500 Building	Exterior	Wall	Brick	D	Intact	Red	Negative	0.7	0

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
214	3/30/23	Paint	500 Building	Exterior	Transom	Wood	C	Intact	Beige	Positive	0.7	2.3
215	3/30/23	Paint	500 Building	Exterior	Window frame	Metal	C	Intact	Beige	Positive	0.7	1
216	3/30/23	Paint	500 Building	Exterior	Overhang	Wood	C	Intact	Beige	Positive	0.7	1.9
217	3/30/23	Paint	500 Building	Exterior	Fascia	Wood	C	Intact	Green	Positive	0.7	1.7
218	3/30/23	Paint	500 Building	Exterior	Drip edge	Metal	C	Intact	Green	Negative	0.7	0
219	3/30/23	Paint	500 Building	Exterior	Drip edge	Metal	D	Intact	Green	Negative	0.7	0
220	3/30/23	Paint	500 Building	Exterior	Conduit	Metal	D	Intact	Green	Negative	0.7	0
221	3/30/23	Paint			Calibrate					Positive	0.7	0.9
222	3/30/23	Paint			Calibrate					Positive	0.7	1
223	3/30/23	Paint			Calibrate					Positive	0.7	0.9
224	3/30/23	Paint	600 Building	Exterior	Wall	Brick	A	Intact	Red	Negative	0.7	0
225	3/30/23	Paint	600 Building	Exterior	Conduit	Metal	A	Intact	Red	Negative	0.7	0
226	3/30/23	Paint	600 Building	Exterior	Conduit	Metal	A	Intact	Red	Negative	0.7	0
227	3/30/23	Paint	600 Building	Exterior	Vent	Metal	A	Intact	Red	Negative	0.7	0.24
228	3/30/23	Paint	600 Building	Exterior	Vent	Metal	A	Intact	Red	Null	0.7	0.4
229	3/30/23	Paint	600 Building	Exterior	Vent	Metal	A	Intact	Red	Null	0.7	0.5
230	3/30/23	Paint	600 Building	Exterior	Vent	Metal	A	Intact	Red	Negative	0.7	0.3
231	3/30/23	Paint	600 Building	Exterior	Wall	Brick	B	Intact	Red	Negative	0.7	0
232	3/30/23	Paint	600 Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	0
233	3/30/23	Paint	600 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
234	3/30/23	Paint	600 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
235	3/30/23	Paint	600 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
236	3/30/23	Paint	600 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
237	3/30/23	Paint	600 Building	Exterior	Wall	Stucco	C	Intact	Red	Negative	0.7	0
238	3/30/23	Paint	600 Building	Exterior	Pipe	Metal	C	Intact	Red	Negative	0.7	0
239	3/30/23	Paint	600 Building	Exterior	Wall panel	Wood	C	Intact	Red	Negative	0.7	0.01
240	3/30/23	Paint	600 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
241	3/30/23	Paint	600 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
242	3/30/23	Paint	600 Building	Exterior	Backpack hanger	Wood	C	Intact	Beige	Negative	0.7	0

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
243	3/30/23	Paint	600 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
244	3/30/23	Paint	600 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
245	3/30/23	Paint	600 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
246	3/30/23	Paint	600 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
247	3/30/23	Paint	600 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
248	3/30/23	Paint	600 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
249	3/30/23	Paint	600 Building	Exterior	Pipe	Metal	C	Intact	Red	Negative	0.7	0
250	3/30/23	Paint	600 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
251	3/30/23	Paint	600 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
252	3/30/23	Paint	600 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
253	3/30/23	Paint	600 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
254	3/30/23	Paint	600 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
255	3/30/23	Paint	600 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
256	3/30/23	Paint	600 Building	Exterior	Wall	Brick	D	Intact	Red	Negative	0.7	0.01
257	3/30/23	Paint	600 Building	Exterior	Door	Metal	D	Intact	Blue	Negative	0.7	0
258	3/30/23	Paint	600 Building	Exterior	Door frame	Metal	D	Intact	Blue	Negative	0.7	0
259	3/30/23	Paint	600 Building	Exterior	Floor stripe	Concrete	D	Intact	Yellow	Negative	0.7	0
260	3/30/23	Paint	600 Building	Exterior	Wall panel	Wood	D	Peeling	Red	Negative	0.7	0
261	3/30/23	Paint	600 Building	Exterior	Transom	Wood	C	Intact	Beige	Null	0.7	3.6
262	3/30/23	Paint	600 Building	Exterior	Transom	Wood	C	Intact	Beige	Positive	0.7	2.1
263	3/30/23	Paint	600 Building	Exterior	Window frame	Metal	C	Intact	Beige	Positive	0.7	1.7
264	3/30/23	Paint	600 Building	Exterior	Overhang	Wood	C	Intact	Beige	Positive	0.7	1.9
265	3/30/23	Paint	600 Building	Exterior	Fascia	Wood	C	Intact	Green	Positive	0.7	1.1
266	3/30/23	Paint	600 Building	Exterior	Drip edge	Metal	C	Intact	Green	Negative	0.7	0
267	3/30/23	Paint	600 Building	Exterior	Drip edge	Metal	D	Intact	Green	Negative	0.7	0
268	3/30/23	Paint	700 Building	Exterior	Wall	Brick	A	Intact	Red	Negative	0.7	0
269	3/30/23	Paint	700 Building	Exterior	Conduit	Metal	A	Intact	Red	Negative	0.7	0.01
270	3/30/23	Paint	700 Building	Exterior	Conduit	Metal	A	Intact	Red	Negative	0.7	0

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
271	3/30/23	Paint	700 Building	Exterior	Vent	Metal	A	Intact	Red	Null	0.7	1.2
272	3/30/23	Paint	700 Building	Exterior	Vent	Metal	A	Intact	Red	Null	0.7	0.9
273	3/30/23	Paint	700 Building	Exterior	Vent	Metal	A	Intact	Red	Positive	0.7	0.9
274	3/30/23	Paint	700 Building	Exterior	Wall	Brick	B	Intact	Red	Negative	0.7	0
275	3/30/23	Paint	700 Building	Exterior	Wall	Brick	C	Intact	Red	Negative	0.7	0
276	3/30/23	Paint	700 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
277	3/30/23	Paint	700 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
278	3/30/23	Paint	700 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
279	3/30/23	Paint	700 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
280	3/30/23	Paint	700 Building	Exterior	Wall	Stucco	C	Intact	Red	Negative	0.7	0
281	3/30/23	Paint	700 Building	Exterior	Wall panel	Wood	C	Intact		Null	0.7	0.13
282	3/30/23	Paint	700 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
283	3/30/23	Paint	700 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
284	3/30/23	Paint	700 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
285	3/30/23	Paint	700 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
286	3/30/23	Paint	700 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
287	3/30/23	Paint	700 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
288	3/30/23	Paint	700 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
289	3/30/23	Paint	700 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
290	3/30/23	Paint	700 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
291	3/30/23	Paint	700 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
292	3/30/23	Paint	700 Building	Exterior	Backpack hanger	Wood	C	Intact	Beige	Negative	0.7	0
293	3/30/23	Paint	700 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
294	3/30/23	Paint	700 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0.01
295	3/30/23	Paint	700 Building	Exterior	Door	Metal	C	Intact	Blue	Negative	0.7	0
296	3/30/23	Paint	700 Building	Exterior	Door frame	Metal	C	Intact	Blue	Negative	0.7	0
297	3/30/23	Paint	700 Building	Exterior	Wall	Brick	D	Intact	Red	Negative	0.7	0.01
298	3/30/23	Paint	700 Building	Exterior	Door	Metal	D	Intact	Blue	Negative	0.7	0
299	3/30/23	Paint	700 Building	Exterior	Door frame	Metal	D	Intact	Blue	Negative	0.7	0

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
300	3/30/23	Paint	700 Building	Exterior	Floor stripe	Concrete	D	Intact	Yellow	Negative	0.7	0
301	3/30/23	Paint	700 Building	Exterior	Transom	Wood	C	Intact	Beige	Positive	0.7	1.7
302	3/30/23	Paint	700 Building	Exterior	Window frame	Metal	C	Intact	Beige	Positive	0.7	1.8
303	3/30/23	Paint	700 Building	Exterior	Overhang	Wood	C	Intact	Beige	Positive	0.7	2.3
304	3/30/23	Paint	700 Building	Exterior	Fascia	Wood	C	Intact	Green	Null	0.7	2.3
305	3/30/23	Paint	700 Building	Exterior	Fascia	Wood	C	Intact	Green	Positive	0.7	2.1
306	3/30/23	Paint	700 Building	Exterior	Drip edge	Metal	C	Intact	Green	Negative	0.7	0
307	3/30/23	Paint	700 Building	Exterior	Drip edge	Metal	D	Intact	Green	Negative	0.7	0
308	3/30/23	Paint	Covered walkway	Exterior	Ceiling	Texture coat	Upper	Intact	Beige	Null	0.7	0
309	3/30/23	Paint	Covered walkway	Exterior	Ceiling	Texture coat	Upper	Intact	Beige	Negative	0.7	0.01
310	3/30/23	Paint	Covered walkway	Exterior	Ceiling beam	Metal	Upper	Intact	Beige	Null	0.7	0.02
311	3/30/23	Paint	Covered walkway	Exterior	Riser	Metal		Intact	Blue	Negative	0.7	0.12
312	3/30/23	Paint	Covered walkway	Exterior	Riser	Metal		Intact	Blue	Negative	0.7	0.25
313	3/30/23	Paint	Covered walkway	Exterior	Riser	Metal		Intact	Blue	Negative	0.7	0.17
314	3/30/23	Paint	Covered walkway	Exterior	Riser	Metal		Intact	Blue	Negative	0.7	0.18
315	3/30/23	Paint	Covered walkway	Exterior	Riser	Metal		Intact	Blue	Negative	0.7	0.18
316	3/30/23	Paint	Covered walkway	Exterior	Ceiling	Texture coat	Upper	Intact	Beige	Negative	0.7	0
317	3/30/23	Paint	Covered walkway	Exterior	Ceiling beam	Metal	Upper	Intact	Beige	Null	0.7	0.02
318	3/30/23	Paint	Covered walkway	Exterior	Ceiling beam	Metal	Upper	Intact	Beige	Negative	0.7	0.04
319	3/30/23	Paint	Covered walkway	Exterior	Ceiling	Texture coat	Upper	Intact	Beige	Null	0.7	0
320	3/30/23	Paint	Covered walkway	Exterior	Ceiling	Texture coat	Upper	Intact	Beige	Negative	0.7	0
321	3/30/23	Paint	Covered walkway	Exterior	Ceiling beam	Metal	Upper	Intact	Beige	Negative	0.7	0.3
322	3/30/23	Paint	Covered walkway	Exterior	Conduit	Metal	Upper	Intact	Beige	Null	0.7	2.7
323	3/30/23	Paint			Calibrate					Positive	0.7	1

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
324	3/30/23	Paint			Calibrate					Null	0.7	0.8
325	3/30/23	Paint			Calibrate					Positive	0.7	1
326	3/30/23	Paint			Calibrate					Positive	0.7	1
327	3/30/23	Paint			Calibrate					Positive	0.7	0.9
328	3/31/23	Paint			Shutter calibrate							0.8
329	3/31/23	Paint			Calibrate					Null	0.7	0.9
330	3/31/23	Paint			Calibrate					Positive	0.7	1
331	3/31/23	Paint			Calibrate					Positive	0.7	1
332	3/31/23	Paint			Calibrate					Positive	0.7	1
333	3/31/23	Paint	Covered walkway	Exterior	Gutter	Metal	Upper	Intact	Beige	Negative	0.7	< LOD
334	3/31/23	Paint	Covered walkway	Exterior	Conduit	Metal	Upper	Intact	Beige	Null	0.7	< LOD
335	3/31/23	Paint	Covered walkway	Exterior	Conduit	Metal	Upper	Intact	Beige	Positive	0.7	2.9
336	3/31/23	Paint	Covered walkway	Exterior	Drip edge	Metal	D	Intact	Beige	Negative	0.7	< LOD
337	3/31/23	Paint	Covered walkway	Exterior	Ceiling beam	Metal	Upper	Intact	Beige	Null	0.7	< LOD
338	3/31/23	Paint	Covered walkway	Exterior	Ceiling beam	Metal	Upper	Intact	Beige	Negative	0.7	< LOD
339	3/31/23	Paint	Covered walkway	Exterior	Roof coating	Metal	Roof	Intact	Gray	Negative	0.7	< LOD
340	3/31/23	Paint	Covered walkway	Exterior	Floor stripe	Concrete	Lower	Intact	Yellow	Negative	0.7	< LOD
341	3/31/23	Paint	Covered walkway	Exterior	Floor stripe	Concrete	Lower	Intact	Red	Negative	0.7	< LOD
342	3/31/23	Paint	Lunch shelter	Exterior	Riser	Metal	C	Peeling	Blue	Negative	0.7	< LOD
343	3/31/23	Paint	Lunch shelter	Exterior	Riser	Metal	A	Peeling	Blue	Negative	0.7	< LOD
344	3/31/23	Paint	Lunch shelter	Exterior	Riser	Metal	D	Peeling	Blue	Negative	0.7	< LOD
345	3/31/23	Paint	Lunch shelter	Exterior	Ceiling beam	Wood	Upper	Cracked	Beige	Negative	0.7	< LOD
346	3/31/23	Paint	Lunch shelter	Exterior	Ceiling	Wood	Upper	Intact	Beige	Negative	0.7	< LOD
347	3/31/23	Paint	Lunch shelter	Exterior	Ceiling beam	Wood	Upper	Cracked	Beige	Negative	0.7	< LOD
348	3/31/23	Paint	Lunch shelter	Exterior	Ceiling beam	Wood	Upper	Intact	Beige	Negative	0.7	< LOD
349	3/31/23	Paint	Lunch shelter	Exterior	Ceiling	Wood	Upper	Intact	Beige	Negative	0.7	< LOD
350	3/31/23	Paint	Library-Media Center	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	< LOD

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351	3/31/23	Paint	Library-Media Center	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	< LOD
352	3/31/23	Paint	Library-Media Center	Exterior	Door	Metal	B	Intact	Green	Negative	0.7	< LOD
353	3/31/23	Paint	Library-Media Center	Exterior	Door frame	Metal	B	Intact	Green	Negative	0.7	< LOD
354	3/31/23	Paint	Library-Media Center	Exterior	Door frame trim	Wood	B	Intact	Beige	Negative	0.7	< LOD
355	3/31/23	Paint	Library-Media Center	Exterior	Building frame	Metal	B	Intact	Beige	Negative	0.7	< LOD
356	3/31/23	Paint	Library-Media Center	Exterior	Door	Metal	B	Intact	Green	Negative	0.7	< LOD
357	3/31/23	Paint	Library-Media Center	Exterior	Door frame	Metal	B	Intact	Green	Negative	0.7	< LOD
358	3/31/23	Paint	Library-Media Center	Exterior	Door frame trim	Wood	B	Intact	Beige	Negative	0.7	< LOD
359	3/31/23	Paint	Library-Media Center	Exterior	Fascia	Metal	B	Intact	Green	Negative	0.7	< LOD
360	3/31/23	Paint	Library-Media Center	Exterior	Drip edge	Metal	B	Intact	White	Negative	0.7	< LOD
361	3/31/23	Paint	Library-Media Center	Exterior	Roof	Metal	Roof	Intact	White	Negative	0.7	< LOD
362	3/31/23	Paint	Library-Media Center	Exterior	Overhang	Wood	B	Intact	Beige	Negative	0.7	< LOD
363	3/31/23	Paint	Library-Media Center	Exterior	Downspout	Metal	D	Intact	Beige	Negative	0.7	< LOD
364	3/31/23	Paint	Library-Media Center	Exterior	Gutter	Metal	D	Intact	Green	Negative	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
365	3/31/23	Paint	Library-Media Center	Exterior	Conduit	Metal	D	Intact	Beige	Negative	0.7	< LOD
366	3/31/23	Paint	Library-Media Center	Exterior	Conduit	Metal	D	Intact	Beige	Negative	0.7	< LOD
367	3/31/23	Paint	Library-Media Center	Exterior	Fence	Wood	D	Intact	Green	Negative	0.7	< LOD
368	3/31/23	Paint	Library-Media Center	Exterior	Conduit	Metal	D	Intact	Beige	Negative	0.7	< LOD
369	3/31/23	Paint	Library-Media Center	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	< LOD
370	3/31/23	Paint	Portable 801	Exterior	Wall	Wood		Intact	Beige	Negative	0.7	< LOD
371	3/31/23	Paint	Portable 801	Exterior	Downspout	Metal	A	Intact	Beige	Negative	0.7	< LOD
372	3/31/23	Paint	Portable 801	Exterior	Conduit	Metal	A	Intact	Beige	Negative	0.7	< LOD
373	3/31/23	Paint	Portable 801	Exterior	Conduit	Metal	A	Intact	Beige	Negative	0.7	< LOD
374	3/31/23	Paint	Portable 801	Exterior	HVAC unit	Metal	A	Intact	Gray	Negative	0.7	< LOD
375	3/31/23	Paint	Portable 801	Exterior	Building frame	Metal	A	Intact	Beige	Negative	0.7	< LOD
376	3/31/23	Paint	Portable 801	Exterior	Pipe	Metal	A	Intact	Beige	Negative	0.7	< LOD
377	3/31/23	Paint	Portable 801	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	< LOD
378	3/31/23	Paint	Portable 801	Exterior	Conduit	Metal	B	Intact	Beige	Negative	0.7	< LOD
379	3/31/23	Paint	Portable 801	Exterior	Electrical box	Metal	B	Intact	Beige	Negative	0.7	< LOD
380	3/31/23	Paint	Portable 801	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	< LOD
381	3/31/23	Paint	Portable 801	Exterior	Door	Metal	C	Intact	Green	Negative	0.7	< LOD
382	3/31/23	Paint	Portable 801	Exterior	Door frame	Metal	C	Intact	Green	Negative	0.7	< LOD
383	3/31/23	Paint	Portable 801	Exterior	Door frame trim	Wood	C	Intact	Beige	Negative	0.7	< LOD
384	3/31/23	Paint	Portable 801	Exterior	Hand rail	Metal	C	Intact	Green	Negative	0.7	< LOD
385	3/31/23	Paint	Portable 801	Exterior	Ramp	Metal	C	Peeling	Green	Negative	0.7	< LOD
386	3/31/23	Paint	Portable 801	Exterior	Ramp siding	Wood	C	Intact	Beige	Negative	0.7	< LOD
387	3/31/23	Paint	Portable 801	Exterior	Ramp brace	Metal	C	Intact	Beige	Negative	0.7	< LOD
388	3/31/23	Paint	Portable 801	Exterior	Fascia	Metal	B	Intact	Green	Negative	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
389	3/31/23	Paint	Portable 801	Exterior	Drip edge	Metal	B	Intact	Green	Negative	0.7	< LOD
390	3/31/23	Paint	Portable 801	Exterior	Overhang	Wood	C	Intact	Beige	Null	0.7	< LOD
391	3/31/23	Paint	Portable 801	Exterior	Overhang	Wood	C	Intact	Beige	Negative	0.7	< LOD
392	3/31/23	Paint	Portable 801	Exterior	Gutter	Metal	C	Intact	Green	Negative	0.7	< LOD
393	3/31/23	Paint	Portable 801	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	< LOD
394	3/31/23	Paint	Portable 802	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	< LOD
395	3/31/23	Paint	Portable 802	Exterior	Downspout	Metal	A	Intact	Beige	Negative	0.7	< LOD
396	3/31/23	Paint	Portable 802	Exterior	Pipe	Metal	A	Intact	Beige	Negative	0.7	< LOD
397	3/31/23	Paint	Portable 802	Exterior	Conduit	Metal	A	Intact	Beige	Negative	0.7	< LOD
398	3/31/23	Paint	Portable 802	Exterior	HVAC unit	Metal	A	Intact	Gray	Negative	0.7	< LOD
399	3/31/23	Paint	Portable 802	Exterior	Building frame	Metal	A	Intact	Beige	Negative	0.7	< LOD
400	3/31/23	Paint	Portable 802	Exterior	Conduit	Metal	A	Intact	Beige	Negative	0.7	< LOD
401	3/31/23	Paint	Portable 802	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	< LOD
402	3/31/23	Paint	Portable 802	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	< LOD
403	3/31/23	Paint	Portable 802	Exterior	Electrical box	Metal	A	Intact	Beige	Negative	0.7	< LOD
404	3/31/23	Paint	Portable 802	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	< LOD
405	3/31/23	Paint	Portable 802	Exterior	Door	Metal	C	Intact	Green	Negative	0.7	< LOD
406	3/31/23	Paint	Portable 802	Exterior	Door frame	Metal	C	Intact	Green	Negative	0.7	< LOD
407	3/31/23	Paint	Portable 802	Exterior	Door frame trim	Wood	C	Intact	Beige	Negative	0.7	< LOD
408	3/31/23	Paint	Portable 802	Exterior	Hand rail	Metal	C	Intact	Green	Negative	0.7	< LOD
409	3/31/23	Paint	Portable 802	Exterior	Ramp	Metal	C	Peeling	Green	Negative	0.7	< LOD
410	3/31/23	Paint	Portable 802	Exterior	Ramp brace	Metal	C	Intact	Beige	Negative	0.7	< LOD
411	3/31/23	Paint	Portable 802	Exterior	Ramp siding	Wood	C	Intact	Beige	Negative	0.7	< LOD
412	3/31/23	Paint	Portable 802	Exterior	Fascia	Metal	C	Intact	Green	Negative	0.7	< LOD
413	3/31/23	Paint	Portable 802	Exterior	Gutter	Metal	C	Intact	Green	Negative	0.7	< LOD
414	3/31/23	Paint	Portable 802	Exterior	Drip edge	Metal	B	Intact	Green	Negative	0.7	< LOD
415	3/31/23	Paint	Portable 802	Exterior	Overhang	Wood	C	Intact	Beige	Negative	0.7	< LOD
416	3/31/23	Paint	Portable 803	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	< LOD
417	3/31/23	Paint	Portable 803	Exterior	Building frame	Metal	C	Intact	Beige	Negative	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
418	3/31/23	Paint	Portable 803	Exterior	Door	Metal	C	Intact	Green	Negative	0.7	< LOD
419	3/31/23	Paint	Portable 803	Exterior	Door frame	Metal	C	Intact	Green	Negative	0.7	< LOD
420	3/31/23	Paint	Portable 803	Exterior	Door frame trim	Wood	C	Intact	Beige	Negative	0.7	< LOD
421	3/31/23	Paint	Portable 803	Exterior	Downspout	Metal	C	Intact	Beige	Negative	0.7	< LOD
422	3/31/23	Paint	Portable 803	Exterior	Hand rail	Metal	C	Intact	Green	Negative	0.7	< LOD
423	3/31/23	Paint	Portable 803	Exterior	Ramp	Metal	C	Intact	Green	Negative	0.7	< LOD
424	3/31/23	Paint	Portable 803	Exterior	Ramp brace	Metal	C	Intact	Beige	Negative	0.7	< LOD
425	3/31/23	Paint	Portable 803	Exterior	Ramp siding	Wood	C	Intact	Beige	Negative	0.7	< LOD
426	3/31/23	Paint	Portable 803	Exterior	Fascia	Metal	C	Intact	Green	Negative	0.7	< LOD
427	3/31/23	Paint	Portable 803	Exterior	Gutter	Metal	C	Intact	Green	Negative	0.7	< LOD
428	3/31/23	Paint	Portable 803	Exterior	Drip edge	Metal	B	Intact	Green	Negative	0.7	< LOD
429	3/31/23	Paint	Portable 803	Exterior	Overhang	Wood	C	Intact	Beige	Negative	0.7	< LOD
430	3/31/23	Paint	Portable 803	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	< LOD
431	3/31/23	Paint	Portable 803	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	< LOD
432	3/31/23	Paint	Portable 803	Exterior	Conduit	Metal	A	Intact	Beige	Negative	0.7	< LOD
433	3/31/23	Paint	Portable 803	Exterior	Electrical box	Metal	A	Intact	Beige	Negative	0.7	< LOD
434	3/31/23	Paint	Portable 803	Exterior	HVAC unit	Metal	A	Intact	Gray	Negative	0.7	< LOD
435	3/31/23	Paint	Portable 803	Exterior	Conduit	Metal	A	Intact	Beige	Negative	0.7	< LOD
436	3/31/23	Paint	Portable 803	Exterior	Pipe	Metal	A	Intact	Beige	Negative	0.7	< LOD
437	3/31/23	Paint	Portable 803	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	< LOD
438	3/31/23	Paint	Portable 804	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	< LOD
439	3/31/23	Paint	Portable 804	Exterior	Pipe	Metal	A	Intact	Beige	Negative	0.7	< LOD
440	3/31/23	Paint	Portable 804	Exterior	Downspout	Metal	A	Intact	Beige	Negative	0.7	< LOD
441	3/31/23	Paint	Portable 804	Exterior	Conduit	Metal	A	Intact	Beige	Negative	0.7	< LOD
442	3/31/23	Paint	Portable 804	Exterior	HVAC unit	Metal	A	Intact	Gray	Negative	0.7	< LOD
443	3/31/23	Paint	Portable 804	Exterior	Building frame	Metal	A	Intact	Beige	Negative	0.7	< LOD
444	3/31/23	Paint	Portable 804	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	< LOD
445	3/31/23	Paint	Portable 804	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	< LOD
446	3/31/23	Paint	Portable 804	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	< LOD

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
447	3/31/23	Paint	Portable 804	Exterior	Door	Metal	C	Intact	Green	Negative	0.7	< LOD
448	3/31/23	Paint	Portable 804	Exterior	Door frame	Metal	C	Intact	Green	Negative	0.7	< LOD
449	3/31/23	Paint	Portable 804	Exterior	Door frame trim	Wood	C	Intact	Beige	Negative	0.7	< LOD
450	3/31/23	Paint	Portable 804	Exterior	Hand rail	Metal	C	Intact	Green	Negative	0.7	< LOD
451	3/31/23	Paint	Portable 804	Exterior	Ramp	Metal	C	Intact	Green	Negative	0.7	< LOD
452	3/31/23	Paint	Portable 804	Exterior	Ramp brace	Metal	C	Intact	Beige	Null	0.7	< LOD
453	3/31/23	Paint	Portable 804	Exterior	Ramp brace	Metal	C	Intact	Beige	Negative	0.7	< LOD
454	3/31/23	Paint	Portable 804	Exterior	Ramp siding	Wood	C	Intact	Beige	Negative	0.7	< LOD
455	3/31/23	Paint	Portable 804	Exterior	Fascia	Metal	C	Intact	Green	Negative	0.7	< LOD
456	3/31/23	Paint	Portable 804	Exterior	Gutter	Metal	C	Intact	Green	Negative	0.7	< LOD
457	3/31/23	Paint	Portable 804	Exterior	Drip edge	Metal	B	Intact	Green	Negative	0.7	< LOD
458	3/31/23	Paint	Portable 804	Exterior	Overhang	Wood	C	Intact	Beige	Negative	0.7	< LOD
459	3/31/23	Paint	Portable 805	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	< LOD
460	3/31/23	Paint	Portable 805	Exterior	Building frame	Metal	C	Intact	Beige	Negative	0.7	0
461	3/31/23	Paint	Portable 805	Exterior	Door	Metal	C	Intact	Green	Negative	0.7	0
462	3/31/23	Paint	Portable 805	Exterior	Door frame	Metal	C	Intact	Green	Negative	0.7	0
463	3/31/23	Paint	Portable 805	Exterior	Door frame trim	Wood	C	Intact	Beige	Negative	0.7	0
464	3/31/23	Paint	Portable 805	Exterior	Downspout	Metal	C	Intact	Beige	Negative	0.7	0
465	3/31/23	Paint	Portable 805	Exterior	Hand rail	Metal	C	Intact	Green	Negative	0.7	0
466	3/31/23	Paint	Portable 805	Exterior	Ramp	Metal	C	Peeling	Green	Negative	0.7	0
467	3/31/23	Paint	Portable 805	Exterior	Ramp brace	Metal	C	Intact	Beige	Negative	0.7	0
468	3/31/23	Paint	Portable 805	Exterior	Ramp siding	Wood	C	Intact	Beige	Negative	0.7	0
469	3/31/23	Paint	Portable 805	Exterior	Fascia	Metal	C	Intact	Green	Negative	0.7	0
470	3/31/23	Paint	Portable 805	Exterior	Gutter	Metal	C	Intact	Green	Negative	0.7	0
471	3/31/23	Paint	Portable 805	Exterior	Drip edge	Metal	B	Intact	Green	Negative	0.7	0
472	3/31/23	Paint	Portable 805	Exterior	Overhang	Wood	C	Intact	Beige	Null	0.7	0
473	3/31/23	Paint	Portable 805	Exterior	Overhang	Wood	C	Intact	Beige	Negative	0.7	0
474	3/31/23	Paint	Portable 805	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	0
475	3/31/23	Paint	Portable 805	Exterior	Pipe	Metal	A	Intact	Beige	Negative	0.7	0

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
476	3/31/23	Paint	Portable 805	Exterior	Conduit	Metal	A	Intact	Beige	Negative	0.7	0
477	3/31/23	Paint	Portable 805	Exterior	HVAC unit	Metal	A	Intact	Gray	Negative	0.7	0
478	3/31/23	Paint	Portable 805	Exterior	Conduit	Metal	A	Intact	Beige	Negative	0.7	0.05
479	3/31/23	Paint	Portable 805	Exterior	Electrical box	Metal	A	Intact	Beige	Negative	0.7	0
480	3/31/23	Paint	Portable 805	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	0
481	3/31/23	Paint	Portable 805	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	0
482	3/31/23	Paint	Portable 806	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	0
483	3/31/23	Paint	Portable 806	Exterior	Building frame	Metal	A	Intact	Beige	Negative	0.7	0
484	3/31/23	Paint	Portable 806	Exterior	Downspout	Metal	A	Intact	Beige	Negative	0.7	0
485	3/31/23	Paint	Portable 806	Exterior	Conduit	Metal	A	Intact	Beige	Negative	0.7	0
486	3/31/23	Paint	Portable 806	Exterior	HVAC unit	Metal	A	Intact	Gray	Negative	0.7	0
487	3/31/23	Paint	Portable 806	Exterior	Conduit	Metal	A	Intact	Beige	Negative	0.7	0
488	3/31/23	Paint	Portable 806	Exterior	Electrical box	Metal	A	Intact	Beige	Negative	0.7	0
489	3/31/23	Paint	Portable 806	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	0
490	3/31/23	Paint	Portable 806	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	0
491	3/31/23	Paint	Portable 806	Exterior	Building frame	Metal	D	Intact	Beige	Negative	0.7	0
492	3/31/23	Paint	Portable 806	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	0
493	3/31/23	Paint	Portable 806	Exterior	Downspout	Metal	C	Intact	Beige	Negative	0.7	0
494	3/31/23	Paint	Portable 806	Exterior	Door	Metal	C	Intact	Green	Negative	0.7	0
495	3/31/23	Paint	Portable 806	Exterior	Door frame	Metal	C	Intact	Green	Negative	0.7	0
496	3/31/23	Paint	Portable 806	Exterior	Door frame trim	Wood	C	Intact	Beige	Negative	0.7	0
497	3/31/23	Paint	Portable 806	Exterior	Hand rail	Metal	C	Intact	Green	Negative	0.7	0
498	3/31/23	Paint	Portable 806	Exterior	Ramp	Metal	C	Intact	Green	Negative	0.7	0
499	3/31/23	Paint	Portable 806	Exterior	Ramp brace	Metal	C	Intact	Beige	Negative	0.7	0
500	3/31/23	Paint	Portable 806	Exterior	Ramp siding	Wood	C	Intact	Beige	Negative	0.7	0
501	3/31/23	Paint	Portable 806	Exterior	Fascia	Metal	C	Intact	Green	Negative	0.7	0
502	3/31/23	Paint	Portable 806	Exterior	Gutter	Metal	C	Intact	Green	Negative	0.7	0
503	3/31/23	Paint	Portable 806	Exterior	Drip edge	Metal	B	Intact	Green	Negative	0.7	0
504	3/31/23	Paint	Portable 806	Exterior	Overhang	Wood	C	Intact	Beige	Negative	0.7	0

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
505	3/31/23	Paint	Portable 900	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	0
506	3/31/23	Paint	Portable 900	Exterior	Wall	Wood	B	Poor	Beige	Negative	0.7	0
507	3/31/23	Paint	Portable 900	Exterior	Downspout	Metal	B	Intact	Beige	Negative	0.7	0
508	3/31/23	Paint	Portable 900	Exterior	Conduit	Metal	B	Intact	Beige	Negative	0.7	< LOD
509	3/31/23	Paint	Portable 900	Exterior	HVAC unit	Metal	B	Intact	Gray	Negative	0.7	0
510	3/31/23	Paint	Portable 900	Exterior	Conduit	Metal	B	Intact	Beige	Negative	0.7	0.01
511	3/31/23	Paint	Portable 900	Exterior	Electrical box	Metal	B	Intact	Beige	Negative	0.7	0
512	3/31/23	Paint	Portable 900	Exterior	Building frame	Metal	B	Intact	Beige	Negative	0.7	0
513	3/31/23	Paint	Portable 900	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	0
514	3/31/23	Paint	Portable 900	Exterior	Pipe	Metal	C	Intact	Beige	Negative	0.7	0
515	3/31/23	Paint	Portable 900	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	0
516	3/31/23	Paint	Portable 900	Exterior	Downspout	Metal	D	Intact	Beige	Negative	0.7	0
517	3/31/23	Paint	Portable 900	Exterior	Door	Plaster	D	Intact	Green	Negative	0.7	0
518	3/31/23	Paint	Portable 900	Exterior	Door frame	Metal	D	Intact	Green	Negative	0.7	0
519	3/31/23	Paint	Portable 900	Exterior	Door frame trim	Wood	D	Intact	Beige	Negative	0.7	0
520	3/31/23	Paint	Portable 900	Exterior	Hand rail	Metal	D	Intact	Green	Negative	0.7	0
521	3/31/23	Paint	Portable 900	Exterior	Fascia	Metal	D	Intact	Green	Null	0.7	0
522	3/31/23	Paint	Portable 900	Exterior	Fascia	Metal	D	Intact	Green	Negative	0.7	0
523	3/31/23	Paint	Portable 900	Exterior	Gutter	Metal	D	Intact	Green	Negative	0.7	0
524	3/31/23	Paint	Portable 900	Exterior	Drip edge	Metal	C	Intact	Green	Negative	0.7	0
525	3/31/23	Paint	Portable 900	Exterior	Overhang	Wood	D	Intact	Beige	Negative	0.7	0
526	3/31/23	Paint			Calibrate					Positive	0.7	0.9
527	3/31/23	Paint			Calibrate					Positive	0.7	1
528	3/31/23	Paint			Calibrate					Positive	0.7	0.9
529	3/31/23	Paint	Portable 900	Exterior	Ramp	Concrete	D	Intact	Gray	Negative	0.7	0
530	3/31/23	Paint	Portable 901	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	0
531	3/31/23	Paint	Portable 901	Exterior	Building frame	Metal	A	Intact	Beige	Negative	0.7	0
532	3/31/23	Paint	Portable 901	Exterior	Door	Metal	A	Intact	Green	Negative	0.7	0
533	3/31/23	Paint	Portable 901	Exterior	Door frame	Metal	A	Intact	Green	Negative	0.7	0

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
534	3/31/23	Paint	Portable 901	Exterior	Door frame trim	Wood	A	Intact	Beige	Negative	0.7	0
535	3/31/23	Paint	Portable 901	Exterior	Hand rail	Metal	A	Intact	Green	Negative	0.7	0
536	3/31/23	Paint	Portable 901	Exterior	Ramp	Metal	A	Peeling	Green	Negative	0.7	0
537	3/31/23	Paint	Portable 901	Exterior	Ramp brace	Metal	A	Intact	Beige	Negative	0.7	0
538	3/31/23	Paint	Portable 901	Exterior	Ramp siding	Wood	A	Intact	Beige	Negative	0.7	0
539	3/31/23	Paint	Portable 901	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	0
540	3/31/23	Paint	Portable 901	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	0
541	3/31/23	Paint	Portable 901	Exterior	Downspout	Metal	C	Intact	Beige	Negative	0.7	0
542	3/31/23	Paint	Portable 901	Exterior	Conduit	Metal	C	Intact	Beige	Negative	0.7	0
543	3/31/23	Paint	Portable 901	Exterior	HVAC unit	Metal	C	Intact	Gray	Negative	0.7	0
544	3/31/23	Paint	Portable 901	Exterior	Conduit	Metal	C	Intact	Beige	Negative	0.7	0
545	3/31/23	Paint	Portable 901	Exterior	Electrical box	Metal	C	Intact	Beige	Negative	0.7	0
546	3/31/23	Paint	Portable 901	Exterior	Pipe	Metal	C	Peeling	Beige	Negative	0.7	0
547	3/31/23	Paint	Portable 901	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	0
548	3/31/23	Paint	Portable 901	Exterior	Fascia	Metal	B	Intact	Green	Negative	0.7	0
549	3/31/23	Paint	Portable 901	Exterior	Eave	Metal	B	Intact	Green	Negative	0.7	0
550	3/31/23	Paint	Portable 901	Exterior	Overhang	Wood	A	Intact	Beige	Negative	0.7	0
551	3/31/23	Paint	Portable 901	Exterior	Gutter	Metal	C	Intact	Green	Negative	0.7	0
552	3/31/23	Paint	Portable 902	Exterior	Wall	Wood	A	Intact	Beige	Negative	0.7	0
553	3/31/23	Paint	Portable 902	Exterior	Building frame	Metal	A	Intact	Beige	Negative	0.7	0
554	3/31/23	Paint	Portable 902	Exterior	Downspout	Metal	A	Intact	Beige	Negative	0.7	0
555	3/31/23	Paint	Portable 902	Exterior	Door	Metal	A	Intact	Green	Negative	0.7	0
556	3/31/23	Paint	Portable 902	Exterior	Door frame	Metal	C	Intact	Green	Negative	0.7	0
557	3/31/23	Paint	Portable 902	Exterior	Door frame trim	Wood	A	Intact	Beige	Negative	0.7	0
558	3/31/23	Paint	Portable 902	Exterior	Hand rail	Metal	A	Intact	Green	Negative	0.7	0
559	3/31/23	Paint	Portable 902	Exterior	Ramp	Metal	A	Intact	Green	Negative	0.7	0
560	3/31/23	Paint	Portable 902	Exterior	Ramp brace	Metal	A	Intact	Beige	Negative	0.7	0
561	3/31/23	Paint	Portable 902	Exterior	Ramp siding	Wood	A	Intact	Beige	Negative	0.7	0
562	3/31/23	Paint	Portable 902	Exterior	Wall	Wood	B	Intact	Beige	Negative	0.7	0

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
563	3/31/23	Paint	Portable 902	Exterior	Wall	Wood	C	Intact	Beige	Negative	0.7	0
564	3/31/23	Paint	Portable 902	Exterior	Conduit	Metal	C	Intact	Beige	Negative	0.7	0
565	3/31/23	Paint	Portable 902	Exterior	HVAC unit	Metal	C	Intact	Gray	Negative	0.7	0
566	3/31/23	Paint	Portable 902	Exterior	Conduit	Metal	C	Intact	Beige	Negative	0.7	0
567	3/31/23	Paint	Portable 902	Exterior	Electrical box	Metal	C	Intact	Beige	Negative	0.7	0
568	3/31/23	Paint	Portable 902	Exterior	Pipe	Metal	C	Peeling	Beige	Negative	0.7	0
569	3/31/23	Paint	Portable 902	Exterior	Wall	Wood	D	Intact	Beige	Negative	0.7	0
570	3/31/23	Paint	Portable 902	Exterior	Fascia	Metal	A	Intact	Green	Negative	0.7	0
571	3/31/23	Paint	Portable 902	Exterior	Gutter	Metal	A	Intact	Green	Negative	0.7	0
572	3/31/23	Paint	Portable 902	Exterior	Overhang	Wood	A	Intact	Beige	Negative	0.7	0
573	3/31/23	Paint	Portable 902	Exterior	Drip edge	Metal	D	Intact	Green	Negative	0.7	0
574	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Wall	Stucco	A	Intact	Beige	Null	0.7	0
575	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Wall	Stucco	A	Intact	Beige	Negative	0.7	0
576	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Foundation	Drywall	A	Intact	Beige	Negative	0.7	0
577	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Door	Metal	A	Intact	Blue	Negative	0.7	0

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
578	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Door frame	Wood	A	Intact	Blue	Negative	0.7	0.08
579	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Hand rail	Metal	A	Intact	Blue	Negative	0.7	0.01
580	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Fence	Wood	A	Intact	Blue	Null	0.7	0
581	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Fence	Wood	A	Intact	Blue	Negative	0.7	0
582	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Floor stripe	Concrete	A	Intact	Yellow	Null	0.7	0
583	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Floor stripe	Concrete	A	Intact	Yellow	Negative	0.7	0
584	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Backpack hanger	Wood	A	Intact	Blue	Negative	0.7	0

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
585	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Vent frame	Wood	A	Intact	White	Negative	0.7	0
586	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Vent frame	Wood	A	Intact	Beige	Negative	0.7	0
587	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Floor stripe	Concrete	A	Intact	Red	Negative	0.7	0
588	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Fence	Wood	A	Intact	Blue	Negative	0.7	0
589	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Hand rail	Metal	A	Intact	Blue	Negative	0.7	0
590	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Door	Metal	A	Intact	Blue	Negative	0.7	0
591	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Door frame	Wood	A	Intact	Blue	Negative	0.7	0.14

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
592	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Wall	Stucco	A	Intact	Beige	Negative	0.7	0
593	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Window frame	Metal	A	Intact	Beige	Negative	0.7	0.01
594	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Window casing	Metal	A	Intact	Beige	Negative	0.7	0.16
595	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Window sill	Wood	A	Intact	Beige	Negative	0.7	0.02
596	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Floor stripe	Concrete	A	Peeling	Red	Negative	0.7	0
597	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Window casing	Metal	A	Intact	Beige	Negative	0.7	0.1
598	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Window sill	Metal	A	Intact	Beige	Null	0.7	0.12

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
599	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Window sill	Metal	A	Intact	Beige	Negative	0.7	0.02
600	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Window frame	Metal	A	Intact	Beige	Negative	0.7	0.03
601	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Conduit	Metal	A	Intact	Beige	Negative	0.7	0
602	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Fascia	Wood	A	Intact	Green	Negative	0.7	0.4
603	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Drip edge	Metal	A	Intact	Green	Negative	0.7	0
604	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Overhang	Wood	A	Intact	Beige	Null	0.7	0.4
605	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Overhang	Wood	A	Cracked	Beige	Negative	0.7	0.22

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
606	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Overhang beam	Wood	A	Intact	Beige	Negative	0.7	0.3
607	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Conduit	Metal	A	Intact	Beige	Negative	0.7	0
608	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Wall	Stucco	D	Intact	Beige	Negative	0.7	0
609	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	HVAC unit cage	Metal	D	Intact	Beige	Negative	0.7	0.01
610	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Conduit	Metal	D	Intact	Beige	Negative	0.7	0
611	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Vent frame	Wood	D	Peeling	Beige	Negative	0.7	0
612	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Foundation	Concrete	D	Intact	Beige	Null	0.7	0

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
613	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Foundation	Concrete	D	Intact	Beige	Negative	0.7	0
614	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Overhang	Wood	C	Cracked	Beige	Null	0.7	0.7
615	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Wall	Stucco	C	Intact	Beige	Negative	0.7	0.12
616	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Conduit	Metal	C	Intact	Beige	Negative	0.7	0.01
617	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Countertop	Metal	C	Intact	Beige	Null	0.7	0.2
618	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Conduit	Metal	C	Intact	Beige	Negative	0.7	0.07
619	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	HVAC unit cage	Metal	C	Intact	Beige	Negative	0.7	0

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
620	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Wall	Stucco	B	Intact	Beige	Negative	0.7	0
621	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Electrical box	Wood	B	Cracked	Beige	Negative	0.7	0
622	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Conduit	Metal	B	Intact	Beige	Negative	0.7	0
623	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Conduit	Metal	B	Intact	Beige	Negative	0.7	0.01
624	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Overhang	Wood	C	Cracked	Beige	Positive	0.7	1.3
625	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Overhang beam	Wood	C	Intact	Beige	Negative	0.7	0.11
626	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Window frame	Metal	C	Intact	Beige	Negative	0.7	0.01

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
627	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Window sill	Metal	C	Intact	Beige	Negative	0.7	0.17
628	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Window casing	Metal	C	Intact	Beige	Negative	0.7	0.01
629	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Vent	Metal	C	Intact	Beige	Negative	0.7	0
630	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Vent	Metal	B	Intact	Beige	Negative	0.7	0.06
631	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Fascia	Wood	B	Peeling	Green	Null	0.7	0.27
632	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Fascia	Wood	B	Peeling	Green	Negative	0.7	0.4
633	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Drip edge	Metal	B	Intact	Green	Negative	0.7	0

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Reading No	Date	Type	Building	Location	Component	Substrate	Side	Condition	Color	Results	Action Level	PbC
634	3/31/23	Paint	County Day Care Center Building (Rooms 807 & 808)	Exterior	Electrical box	Metal	B	Intact	Beige	Negative	0.7	0
635	3/31/23	Paint	Walkway	Exterior	Floor stripe	Concrete	Lower	Intact	White	Negative	0.7	0
636	3/31/23	Paint	Walkway	Exterior	Floor stripe	Concrete	Lower	Intact	Yellow	Negative	0.7	0
637	3/31/23	Paint			Calibrate					Positive	0.7	0.9
638	3/31/23	Paint			Calibrate					Positive	0.7	1
639	3/31/23	Paint			Calibrate					Positive	0.7	0.9
640	3/31/23	Paint			Calibrate					Positive	0.7	0.9

APPENDIX C – LEAD HAZARD EVALUATION REPORT

LEAD HAZARD EVALUATION REPORT

Section 1 – Date of Lead Hazard Evaluation 03/29/2023-03/31/2023

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)] 12100 Crewe Street		City Norwalk	County Los Angeles	Zip Code 90650
Construction date (year) of structure Unknown	Type of structure <input type="checkbox"/> Multi-unit building <input type="checkbox"/> Single family dwelling	<input checked="" type="checkbox"/> School or daycare <input type="checkbox"/> Other _____	Children living in structure? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know	


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

Name Little Lake City School District (Brent Griffen)		Telephone number 562-868-8241		
Address [number, street, apartment (if applicable)] 10515 South Pioneer Blvd		City Santa Fe Springs	State CA	Zip Code 90670

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 Rhys Kuzmic		Telephone number 626-441-7050		
Address [number, street, apartment (if applicable)] 310 East Foothill Blvd. Suite 200		City Arcadia	State CA	Zip Code 91006
CDPH certification number 18093/LRC-00004395	Signature 		Date 03/31/2023	

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

Section 7 – Attachments

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

First copy and attachments retained by inspector
 Second copy and attachments retained by owner

Third copy only (no attachments) mailed or faxed to:
 California Department of Public Health
 Childhood Lead Poisoning Prevention Branch Reports
 850 Marina Bay Parkway, Building P, Third Floor
 Richmond, CA 94804-6403
 Fax: (510) 620-5656

APPENDIX D –XRF PERFORMANCE CHARACTERISTICS SHEET

Performance Characteristic Sheet

EFFECTIVE DATE: September 24, 2004

EDITION NO.: 1

MANUFACTURER AND MODEL:

Make: Niton LLC

Tested Model: XLP 300

Source: ^{109}Cd

Note: This PCS is also applicable to the equivalent model variations indicated below, for the Lead-in-Paint K+L variable reading time mode, in the XLI and XLP series:

XLI 300A, XLI 301A, XLI 302A, and XLI 303A.

XLP 300A, XLP 301A, XLP 302A, and XLP 303A

XLI 700A, XLI 701A, XLI 702A, and XLI 703A

XLP 700A, XLP 701A, XLP 702A, and XLP 703A

Note: The XLI and XLP versions refer to the shape of the handle part of the instrument. The differences in the model numbers reflect other modes available, in addition to Lead-in-Paint modes. The manufacturer states that specifications for these instruments are identical for the source, detector, and detector electronics relative to the Lead-in-Paint mode.

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Lead-in-Paint K+L variable reading time mode.

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm² (inclusive)

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm² in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm² film).

If readings are outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instruments into control before XRF testing proceeds.

SUBSTRATE CORRECTION:

For XRF results using Lead-in-Paint K+L variable reading time mode, substrate correction is not needed for:

Brick, Concrete, Drywall, Metal, Plaster, and Wood

INCONCLUSIVE RANGE OR THRESHOLD:

K & L MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm ²)
Results not corrected for substrate bias on any substrate	Brick	1.0
	Concrete	1.0
	Drywall	1.0
	Metal	1.0
	Plaster	1.0
	Wood	1.0

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated from the EPA/HUD evaluation using archived building components. Testing was conducted in August 2004 on 133 testing combinations. The instruments that were used to perform the testing had new sources; one instrument's was installed in November 2003 with 40 mCi initial strength, and the other's was installed June 2004 with 40 mCi initial strength.

OPERATING PARAMETERS:

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Substrate correction is not needed for brick, concrete, drywall, metal, plaster or wood when using Lead-in-Paint K+L variable reading time mode, the normal operating mode for these instruments. If substrate correction is desired, refer to Chapter 7 of the HUD Guidelines for guidance on correcting XRF results for substrate bias.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing. Use the K+L variable time mode readings.

Conduct XRF retesting at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below.

Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family housing a result is defined as the average of three readings. In multifamily housing, a result is a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF results.

Compute the average of all ten re-test XRF results.

Find absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to greater than the Retest Tolerance Limit a second time, then the inspection should be consider deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

For the Lead-in-Paint K+L variable reading time made, the instrument continues to re3ad until it is moved away from the testing surface, terminated by the user, or the instrument software indicates the reading is complete. The following table provides testing time information for this testing mode. The times have been adjusted for source decay, normalized to the initial source strengths as noted above. Source strength and type of substrate will affect actual testing times. At the time of testing, the instrument had source strengths of 26.6 and 36.6 mCi.

Testing Times Using K+L Reading Mode (Seconds)						
Substrate	All Data			Median for laboratory-measured lead levels (mg/cm ²)		
	25 th Percentile	Median	75 th Percentile	Pb<0.25	0.25≤Pb<1.0	1.0≤Pb
Wood Drywall	4	11	19	11	15	11
Metal	4	12	18	9	12	14
Brick Concrete Plaster	8	16	22	15	18	16

CLASSIFICATION RESULTS:

XRF results are classified as positive if they are greater than or equal to the threshold and negative if they are less than the threshold.

DOCUMENTATION:

A document titled *Methodology for XRF Performance Characteristic Sheets* provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges of thresholds for specific XRF instruments. For a copy of this document call the National lead Information Center Clearinghouse at 1-800-424-LEAD.

This XRF Performance Characteristic Sheet was developed by the Midwest Research Institute (MRI) and QuanTech, Inc., under a contract between MRI and the XRF manufacturer. HUD has determined that the information provided here is acceptable when used as guidance in conjunction with Chapter 7, Lead-Based Paint Inspection, of HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*.