



Lowell Joint School District

A Tradition of Excellence Since 1906

**FLOORING ABATEMENT
Macy Elementary School**

**CUPCCAA Project
Bid No. 202324-001**

Contact: Denise Soto, Administrative Assistant, Business Services

Bid Deadline: Thursday, June 6, 2024, 2:00 p.m., PST

Lowell Joint School District

11019 Valley Home Avenue

Whittier, CA 90603

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* Must be completed and submitted with bid – no exceptions.

** Will be executed by successful bidder after award of bid, but before contract award is effective.

*** Guarantee to be provided upon completion of each project.

I. CUPCCAA NOTICE CALLING FOR BIDS

For Flooring Abatement at Macy Elementary School
District intends to meet DVBE participation goals

District: **Lowell Joint School District**

Project: **CUPCCAA Bid No. 202324-001**
Flooring Abatement – Macy Elementary School

License Requirement: **Class B – General Building Contractor**
Class C-15 Flooring and Floor Covering Contractor

Bid Deadline: **June 6, 2024, 2:00 p.m., PST**

Place of Bid Receipt: **Lowell Joint School District**
11019 Valley Home Avenue
Whittier, CA 90603

Business Hours: **8:00 a.m. to 4:00 p.m. M-F**

NOTICE IS HEREBY GIVEN that Lowell Joint School District of Orange County, California, acting by and through its Board of Trustees, hereinafter referred to as "District," will receive up to, but not later than, the above-stated bid deadline, electronically submitted Bid Proposals from Prequalified Bidders for the award of a contract for the above Project.

Prospective bidders must be prequalified through <https://pqbids.com/lowell/>. The District will only consider Bid Proposals submitted by Prequalified Bidders. Any Bid Proposal submitted by a bidder who is not prequalified will be rejected for non-responsiveness. Prequalification application must be submitted fifteen (15) or more days prior to the bid opening date.

This Project is being let in accordance with the Uniform Public Construction Cost Accounting Act ("UPCCAA") set forth in Public Contract Code section 22000 et seq. Bidders shall comply with any requirements set forth in the UPCCAA including all guidelines and requirements in the current California Uniform Construction Cost Accounting Commission Cost Accounting Policies and Procedures Manual.

In accordance with the provisions of Business and Professions Code Section 7028.15 and Public Contract Code Section 3300, District requires that the bidder possess the required classification(s) of contractor's license(s) at the time the bid is submitted: **Classification "B" General Building Contractor** or **Classification C-15 Flooring and Floor Covering Contractor**. Any bidder not so licensed at the time of the bid opening will be rejected as nonresponsive.

Bid Documents can be downloaded from the District website at:

<https://www.ljsd.org/Departments/Facilities-and-Operation-Services/Bids-and-RFPs/index.html>

Bidder requests for information/clarification: All requests for information and/or clarification regarding the Bid documents shall be submitted in writing via e-mail to Denise Soto, Administrative Assistant, Business Services, at dsoto@ljsd.org. All requests must be submitted no later than **Wednesday, May 29, 2024, 2:00 p.m., PST**. Any request made after such date shall not be addressed.

Bids shall be received at the place identified above, and shall be opened and publicly read aloud at the above-stated time and place. Each bid must conform and be responsive to the bid documents.

Each Bidder will need to comply with Senate Bill 854 (“SB854”) including, but limited to, registration with California Department of Industrial Relations (“DIR”). The DIR’s website is <http://www.dir.ca.gov>. Each contractor and subcontractor should carefully review the DIR website for all applicable requirements to be eligible to bid on this project and if needed should consult with an attorney.

Copies of the wage rate determinations, entitled Prevailing Wage Scale, are available at the following website: www.dir.ca.gov. It shall be mandatory upon the successful bidder to whom the contract is awarded, and upon any subcontractor listed, to pay not less than the said specified rates to all workers employed by them for the Project.

Each bid shall be accompanied by a bid security in the form of a certified or cashier's check payable to the District, or bid bond in an amount equal to at least 10% (ten percent) of the bidder’s total bid amount as a guarantee that the bidder, if its proposal is accepted, shall promptly execute the Agreement form, furnish a satisfactory Faithful Performance Bond, furnish a separate and satisfactory Payment Bond in an amount equal to 100% (one-hundred percent) of the contract amount, and furnish certificates evidencing that the required insurance is in effect in the amounts set forth in the general conditions. In the event of failure to enter into the contract and execute the required documents, such bid security will be forfeited.

No bidder may withdraw any bid for a period of 60 (sixty) calendar days after the date set for the opening of bids.

District reserves the right to reject any or all bids or to waive any irregularities or informalities in any bids or in the bidding process.

A **mandatory Pre-bid Conference** will be held on **Friday, May 24, 2024 7:00am** at the following sites:

Macy Elementary School 2301 W. Russell St., La Habra, CA 90631

II. SCOPE OF WORK

The Project includes, without limitation, furnishing all necessary labor, materials, equipment and other incidental and appurtenant Work necessary to satisfactorily complete the Work as more specifically described in the Contract Documents. The Work will be performed in strict conformance with the Contract Documents, permits from regulatory agencies with jurisdiction and applicable regulations, and includes, but not limited to: Abate/remove and dispose of existing flooring, flooring adhesive, and wall base materials. Install new flooring material and wall base as specified in the areas identified in the plans and

specifications. Relocate existing classroom furniture/boxes to Contractor provided weatherproof storage containers, and return items to classrooms upon completion of work.

Work to be scheduled between June 3, 2024 and July 31, 2024

III. SPECIFICATIONS

Part I. General

1.01 General Conditions

- A. The contractor shall provide all materials, labor, tools and supplies to perform work except as noted in Section 3.04.
- B. The contractor shall cooperate with the property owner's representative in every way, which shall include conducting the work and at a time as agreed upon.
- C. Damage to existing property, of any nature, caused by the Contractor shall be repaired to the satisfaction of the owner at the Contractor's expense.

1.02 Colors

- A. Base color selections:
 - a. Armstrong Excelon Imperial Texture VCT
 - a. Field 90% PEWTER 51908
 - b. Blend 10% BLUE MOON 57535
- B. The owner must approve any and all deviations.

Part II. Products and Handling

2.01 Materials

- A. Materials shall be pure, unadulterated, first quality and shall be delivered to the project in original unbroken packages bearing the makers name and brand number.
- B. Materials shall comply with all current requirements of the Environmental Protection Agency, the appropriate Air Pollution Control District, and all other local, state, or Federal agencies.

2.02 Product Handling

- A. Contractor shall provide for owner to have on-site material storage container or room. The storage areas, rooms, or containers will be moved as directed by the owner.
- B. Use of materials shall be in accordance with the manufacturer's instructions.
 - 1. Any mixing of products shall be done in the specified work or storage area. All materials and supplies shall be returned to the storage area at the completion of each day's work.
- C. Material shall be stacked no more than three-feet high and placed in categorized area.

Part III. Execution

3.01 Scheduling of Work

- A. Contractor shall coordinate the commencement of all work with owners so as not to cause inconvenience to the facility.

3.02 Inspection

- A. Closely examine all surfaces. Any surfaces that are in question or that will affect the execution or quality of work must be brought to the attention of the owner's representative before installation commences.
- B. Thoroughly examine the specification at the site, in similar conditions under which work will be performed, before submitting a proposal. Clarify any questions or conditions with the owner.
 - 1. No allowance for lack of knowledge of obvious existing conditions will be made after bids have been opened.

3.03 Workmanship

- A. Provide best quality workmanship, performed by skilled labor.
- B. Perform work under conditions best suited to the production of acceptable work.
- C. All work will be subject to approval by the owner. Correct all work which does not comply with the intent of the specification.
- D. Protect all adjacent areas and surfaces from damage.
- E. Protect all landscaping during the project period.
- F. Dust control: provide continuous dust control as required to protect adjacent areas.
- G. Noise control: coordinate with the owner before using noisy, motorized equipment.
- H. Immediately clean up all accidental spatters or spillage, and restore the affected surface to its original condition.
- I. Provide a clean and liability-free work area.

3.04 Exclusions

- A. None

3.05 Surface Preparation

- A. Prepare surfaces in a skillful manner to produce finish work of first class appearance and durability.

3.06 Clean-Up

- A. At completion of work each day, remove all materials, ladders, machinery, supplies and dispose of all dirty rags, empty buckets, spray cans, dirty water, and leave work spaces and storage areas in a clean, acceptable condition.

GENERAL PROVISIONS

- A. The contractor shall provide all labor, equipment, tools, and material necessary to complete this work.
- B. The installed equipment, parts, and materials shall be of the size and capacity of and be functionally equal to the equipment and parts being replaced or per drawings and specifications supplied by the District.
- C. The contractor shall exercise all reasonable and necessary means to abate undue dust and noise at all time.
- D. The work shall be done in a workmanlike manner by competent, trained personnel, and in conformance with the building codes of the State, counties and cities in which the work is being done including Title 19 and 24, of the Education Code. Any work judged to be unsatisfactory by the District's appointed inspector, will be re-done at the Contractor's expense and may be considered grounds for termination of this Contract.
- E. The Contractor shall be properly licensed in accordance with the laws of the State of California.
- F. The Contractor shall take all necessary precautions to prevent injury or hazard to the Lowell Joint School District, and shall avoid causing unreasonable inconvenience to the District.
- G. The Contractor shall conduct operations in such a manner as to avoid damage to the property of the Lowell Joint School District or to adjacent property. If any such properties are damaged by reason of the Contractor's operations, they shall be replaced or restored at the Contractor's expense and to the satisfaction of the District.
- H. Failure to begin the work or to pursue the work diligently shall be considered ground for termination of the contract.
- I. Special installations shall conform in workmanship and material to quality level stated in specifications.
- J. Any work determined by mutual agreement between Contractor and District to be performed under the quoted hourly rate shall have a total cost estimate prior to the start of work.
- K. Contractor will be responsible for submitting each individual estimate no later than three working days after being apprised of the potential project. Installation must commence immediately after contractor has received verbal approval AND a valid purchase order number. The exception to the latter would be a mutual agreement that a delay was necessary due to unavailability of certain specialized materials.
- L. The Contractor shall leave the work-site in a clean and neat condition. If the work-site is not left in a clean and neat condition, the Contractor will be called back to correct the condition at no extra charge to the District.

SUBSTITUTIONS

Substitution of material will require written approval from the Assistant Superintendent of Business Services, or designee, prior to job start up.

WORKMANSHIP

All work to be performed in a workmanlike manner in conformance with standard of the industry.

FAITHFUL PERFORMANCE BOND AND PAYMENT BOND

The Contractor will furnish and maintain a Faithful Performance Bond in an amount not less than **one hundred percent (100%)** of the total bid price and furnish and maintain a separate Payment Bond in

an amount not less than **one hundred percent (100%)**. The Payment Bond shall remain in full force and effect through the contract period. The Faithful Performance Bond shall remain in full force and effect through the guarantee periods that are a part of the Contract awarded. **Bonds shall be on the forms set forth in these Project Documents.**

The required bonds shall each contain its own separate bond number, or a declaration from the surety company acknowledging that the Faithful Performance Bond and the Payment Bond are two separate bonds, each with an independent penal sum limit equal to one hundred percent (100%) of the amount of the contract.

PREVAILING WAGE

Contractor and subcontractor shall adhere to the prevailing wage rate, and all applicable determinations made by the Director of Industrial Relations pursuant to California Labor Code. Copies of the prevailing rate of per diem wages are on file at the appropriate office of the District. The Contractor must post these rates at the job site and/or similar as required by law in addition to requirements as specified on individual contract(s).

OVERTIME

- A. Overtime is defined as time worked in excess of eight hours during a regular weekday shift; time worked on Saturdays, Sundays or holidays; or other time worked during hours defined as overtime in the applicable collective bargaining agreement.
- B. The term "wages" as used on this sheet shall include any employer payments to or on behalf of the workmen for health and welfare, pension, vacation, and similar purposes.

ACCEPTANCE OF WORK

Acceptance of completed project shall be the responsibility of the Assistant Superintendent, Business Services, or designee of the District.

PAYMENT

This is a service contract for routine maintenance and repair of Lowell Joint School District property. There will be no retention withheld on invoices for work completed under this contract.

TERM OF CONTRACT

The initial term of this agreement is one year, with two (2) one year renewal periods, at the option of the Board of Trustees, for a total contract term not to exceed 36 months.

IV. INSTRUCTIONS TO BIDDERS

WARNING:
READ THIS DOCUMENT CAREFULLY. DO NOT ASSUME
THAT IT IS THE SAME AS OTHER SIMILAR DOCUMENTS
YOU MAY HAVE SEEN, EVEN IF FROM THE SAME District.

1. **Preparation of Bid Form.** Bids shall be submitted on the prescribed Bid Form, completed in full. All bid items and statements shall be properly and legibly filled out. Numbers shall be stated both in words and in figures where so indicated, and where there is a conflict in the words and the figures, the words shall control over the numbers. The signatures of all persons shall be in longhand and in ink. Prices, wording and notations must be in ink or typewritten. **No other form/format is acceptable – business letterhead, 3-ring binders, coil binding, etc.**

2. **Form and Delivery of Bids.** The bid must conform and be responsive to all Project Documents and shall be made on the Bid Form provided, and the complete bid, together with any and all additional materials as required, shall be enclosed in a sealed envelope, addressed and hand delivered or mailed to:

Lowell Joint School District
11019 Valley Home Avenue
Whittier, CA 90604

Attn: Denise Soto, Administrative Assistant, Business Services

and must be received on or before **June 6, 2024, 2:00 p.m., PST**, and shall be marked on outside lower left corner with bid number. Bidder's name shall also appear on the outside of the envelope. **It is the bidder's sole responsibility to ensure that its bid is received prior to the bid deadline.** In accordance with Government Code Section 53068, any bid received after the scheduled closing time for receipt of bids shall be returned to the bidder unopened. At the time and place set forth for the opening of bids, the sealed bids will be opened and publicly read aloud. However, if prequalification of bidders is required pursuant to Public Contract Code Section 20111.5 only those sealed bids received from prequalified bidders shall be opened and publicly read aloud.

3. **Bid Security.** Each bid shall be accompanied by a bid security in the form of a certified or cashier's check or bid bond in the amount of not less than ten percent (10%) of the bid, payable to District and shall be given as a guarantee that the bidder, if awarded the contract, will execute the Agreement within **five (5)** working days after notice of award of the contract, and will furnish, on the prescribed forms, a satisfactory Faithful Performance Bond in an amount not less than **one hundred percent (100%)** of the total bid price and a separate Payment (labor and material) Bond in an amount not less than **one hundred percent (100%)** of the total bid price, furnish certificates and endorsements evidencing that the required insurance is in effect. It is understood and agreed that should bidder fail or refuse to return these documents as required by District, the bid security shall be forfeited to District. **If the Bidder elects to furnish a bid bond as its Bid Security, the Bidder shall use the bid bond form included in the Project Documents.**

4. Signature. Any signature required on Project Documents must be signed in the name of the bidder and must bear the signature of the person or persons duly authorized to sign these documents. Where indicated, if bidder is a corporation, the legal name of the corporation shall first be set forth, together with two signatures: one from among the chairman of the board, president or vice president and one from among the secretary, chief financial officer, or treasurer. Alternatively, the signature of other authorized officers or agents may be affixed, if duly authorized by the corporation. Such documents shall include the title of such signatories below the signature and shall bear the corporate seal. Where indicated, in the event that the bidder is a joint venture or partnership, there shall be submitted with the bid certifications signed by authorized officers of each of the parties to the joint venture or partnership, naming the individual who shall sign all necessary documents for the joint venture or partnership and, should the joint venture or partnership be the successful bidder, who shall act in all matters relative to the Project for the joint venture or partnership. If bidder is an individual, his/her signature shall be placed on such documents.

5. Modifications. Changes in or additions to any of the bid documents, summary of the work bid upon, alternative proposals, or any other modifications which are not specifically called for by District may result in District's rejection of the bid as being nonresponsive. No oral, telephonic, facsimile or electronic modification of any of the bid documents will be considered.

6. Erasures, Inconsistent or Illegible Bids. The bid submitted must not contain any erasures, interlineations, or other corrections unless each such correction is authenticated by signatures/initials of the person(s) signing the bid in the margin immediately adjacent to the correction. In the event of inconsistency between words and numbers in the bid, words shall control numbers. In the event that District determines that any bid is unintelligible, illegible or ambiguous, District may reject such bid as being nonresponsive. Verify your bid before submission, as it cannot be withdrawn or corrected after the bid opening.

7. Examination of Site and Project Documents. At its own expense and prior to submitting its bid, each bidder shall examine all documents relating to the Project; visit the site and determine the local conditions which may in any way affect the performance of the work during the mandatory scheduled job walk, including the general prevailing rates of per diem wages and other relevant cost factors; familiarize itself with all Federal, State and Local laws, ordinances, rules, regulations and codes affecting the performance of the work, including the cost of permits and licenses required for the work; make such surveys and investigations, including investigation of subsurface or latent physical conditions at the site or where work is to be performed, as it may deem necessary for performance of the work at its bid price; determine the character, quality, and quantities of the work to be performed and the materials and equipment to be provided; and correlate its observations, investigations, and determinations with all requirements of the Project. The Project Documents show and describe the existing conditions as they are believed to have been used in the design of the work and are only provided as information for the bidder. District is not making any warranties regarding said information. District shall not be liable for any loss sustained by the successful bidder resulting from any variance between the conditions and design data given in the Project Documents and the actual conditions revealed during the bidder's pre-bid examination or during the progress of the work. **Bidder agrees that the submission of a bid shall be incontrovertible evidence that the bidder has complied with all the requirements of this provision of the Information for Bidders.**

8. Withdrawal of Bids. Any bid may be withdrawn, either personally or by written request signed by the bidder, at any time prior to the scheduled closing time for receipt of bids. The bid security for a bid withdrawn prior to the scheduled closing time for receipt of bids, in accordance with this paragraph, shall be returned. No bidder may withdraw any bid for a period of **sixty (60)** calendar days after the date set for the opening of bids.

9. Agreement and Bonds. The Agreement which the successful bidder will be required to execute and the payment bond required in accordance with Civil Code Section 3247, are included in the Project Documents. The Payment Bond shall be in the amount of 100% (one-hundred percent) of the contract amount in accordance with Civil Code Section 3248. The successful bidder will also be required to furnish a separate Faithful Performance Bond shall be in the amount of 100% (one-hundred percent) of the contract amount **on the forms included in the Project Documents.** The Payment Bond shall remain in full force and effect through the contract period. The Faithful Performance Bond shall remain in full force and effect through all of the guarantee periods that are a part of the Contract awarded. **Each required bonds shall contain its own separate bond number, or a Declaration from the surety company acknowledging that the Faithful Performance Bond and the Payment Bond are two separate bonds, each with an independent penal sum limit equal to one hundred percent (100%) of the amount of the contract for construction.** All bond premiums shall be at bidder's cost.

10. Interpretation of Project Documents. If any bidder is in doubt as to the true meaning of any part of the Project Documents, or finds discrepancies, or omissions relating to the Project Documents, a written request for an interpretation or correction thereof may be submitted to District. The bidder submitting the written request shall be responsible for its prompt delivery. Any interpretation or correction of the Project Documents will be made solely at District's discretion and only by written addendum duly issued by District, and a copy of such addendum will be provided to each prospective bidder registered under this bid. No person is authorized to make any oral interpretation of any provision in the Project Documents, nor shall any oral interpretation of Project Documents be binding on District. If there are discrepancies of any kind in the Project Documents, the interpretation of District shall prevail. **SUBMITTAL OF A BID WITHOUT A REQUEST FOR CLARIFICATIONS SHALL BE INCONTROVERTIBLE.**

EVIDENCE THAT THE BIDDER HAS DETERMINED THAT THE PROJECT DOCUMENTS ARE ACCEPTABLE AND SUFFICIENT FOR BIDDING AND COMPLETING THE WORK; THAT BIDDER IS CAPABLE OF READING, FOLLOWING AND COMPLETING THE WORK IN ACCORDANCE WITH THE PROJECT DOCUMENTS; AND THAT BIDDER AGREES THAT THE PROJECT CAN AND WILL BE COMPLETED ACCORDING TO DISTRICT'S TIMELINES AND ACCORDING TO THE PROGRESS SCHEDULE TO BE SUBMITTED BY THE SUCCESSFUL BIDDER INCORPORATING DISTRICT'S TIMELINES FOR COMPLETION OF THE PROJECT.

11. Bidders Interested in More Than One Bid. No person, firm or corporation shall be allowed to make, or file, or be interested in more than one bid for the same work unless alternate bids are specifically called for by District. A person, firm, or corporation that has submitted a sub-proposal to a bidder, or that has quoted prices of materials to a bidder, is not thereby disqualified from submitting a proposal or quoting prices to other bidders or submitting a bid on the Project.

12. Award of Contract. District reserves the right to reject any or all bids, or to waive any irregularities or informalities in any bids or in the bidding process. The award of the contract, if made by District, will be by action of the Governing Board and to the lowest responsive and responsible bidder. If two identical low bids are received from responsive and responsible bidders, District will determine which bid will be accepted pursuant to Public Contract Code Section 20117. In the event an award of the contract is made to a bidder, and such bidder fails or refuses to execute the Agreement and provide the required documents within **five (5)** working days after the notice of award of the contract to bidder, District may award the contract to the next lowest bidder until the lowest responsive, responsible bidder accepts or release all bidders.

13. Alternate Bids. N/A

14. Competency of Bidders. In selecting the lowest responsive and responsible bidder, consideration will be given not only to the financial standing but also to the general competency of the bidder for the performance of the Project. By submitting a bid, each bidder agrees that District, in determining the successful bidder and its eligibility for the award, may consider the bidder's experience and facilities, conduct and performance under other contracts, financial condition, reputation in the industry, and other factors which could affect the bidder's performance of the Project. To this end, each bid shall be supported by a statement of the bidder's experience on the form entitled "Information Required of Bidder," found herein (Section VIII).

District may also consider the qualifications and experience of subcontractors and other persons and organizations (including those who are to furnish the principal items of material and equipment) proposed for those portions of the work. Operating costs, maintenance considerations, performance data and guarantees of materials and equipment may also be considered by District. In this regard, District may conduct such investigations as District deems necessary to assist in the evaluation of any bid and to establish the responsibility, qualifications and financial ability of the bidder, proposed subcontractors, and other persons and organizations to do the work to District's satisfaction within the prescribed time. District reserves the right to reject the bid of any bidder who does not pass any such evaluation to the satisfaction of District.

15. Listing Subcontractors. Each bidder shall submit, on the form furnished with the Project Documents, a list of the proposed subcontractors on this Project as required by the Subletting and Subcontracting Fair Practices Act (Public Contract Code Section 4100, et seq.). If alternate bids are called for and the bidder intends to use different or additional subcontractors, a separate list of subcontractors must be submitted for each such alternate bid. If the bidder fails to specify a subcontractor for any portion of the work in excess of one half (1/2) of one percent (1%) of the bidder's total bid, the bidder agrees that he/she is fully qualified to perform that work and agrees to perform that portion of the work. Violation of this requirement (including the procurement of a subcontractor for the Project if no subcontractor is specified) can result in District invoking the remedies of Public Contract Code Sections 4110 and 4111.

16. Insurance and Workers' Compensation. **Contractor/ Proposer shall submit with the Bid evidence that it can obtain insurance prior to Contract award. The following coverages are required. Notify your**

insurance company that the wording in Section E must be included in the Descriptions of Operations section of the Certificate of Liability Insurance form.

The Certificate of Liability (Accord 25 or similar form) is to be issued by contractor's insurance company. **Lowell Joint School District** is to be named as **Additional Insured and Certificate Holder**.

Certificate Holder Information:

Lowell Joint School District
11019 Valley Home Avenue
Whittier, CA 90603

****Required Forms:**

Commercial General Liability Insurance – 2nd page **Additional Insured Endorsement**

Option #1: Form CG 20 10 11 85

Or

Option #2: Choose either Form CG 20 10 07 04 **or** Form CG 20 33 07 04

Either form **must be accompanied** by Form CG 20 37 07 04

- | | | |
|--------------------------|--|---|
| <input type="checkbox"/> | Commercial General Liability
incl. Contractual Liab., and
Broad Form Property Damage | \$1,000,000 minimum limit per occurrence
\$2,000,000 minimum general aggregate |
| <input type="checkbox"/> | Automobile Liability: | \$1,000,000 minimum limit per occurrence |
| <input type="checkbox"/> | Material Hoist | \$1,000,000 minimum limit per occurrence |
| <input type="checkbox"/> | Workers' Compensation: | As required by the California Labor Code |
| <input type="checkbox"/> | Employers' Liability: | \$1,000,000 minimum limit per occurrence |

For all insurance coverages provided by contractor/proposer, the following terms apply:

- A. Any deductibles or self-insured retentions shall be declared in writing to District; District approval is required for any amounts over \$25,000.
- B. Insurance shall be placed with California admitted insurers with a current A.M. Best rating of no less than "A" unless otherwise approved by District, except that for Worker's Compensation, the State Compensation Fund of California is acceptable.
- C. Workers' Compensation and Employer's Liability policies shall contain a waiver of subrogation.
- D. The general liability and automobile liability policies are to contain, or be endorsed to contain, the following provisions:
 - 2. Contractor/Proposer agrees to defend, indemnify, save and hold harmless the Lowell Joint School District (District), its officers, agents, representatives, employees and The Board of Trustees; and provides named additional insured endorsements for District, its officers, agents, representatives, employees and the Board of Trustees. They are to be covered as insured as respects: liability arising out of activities performed by or on behalf of contractor/proposer;

products and completed operations of the contractor/proposer; premises owned, occupied or used by the contractor/Proposer; or automobiles owned, leased, hired or borrowed by the contractor/proposer. The coverage shall contain no special limitations on the scope of protection afforded to District, its subsidiaries, officials, employees and the Board of Trustees.

3. For any claims related to the Services, the contractor's/proposer's insurance coverage shall be primary insurance as respects District, its subsidiaries, officials, employees and the Board of Trustees. Any insurance or self-insurance maintained by District, its subsidiaries, officials, employees and the Board of Trustees shall be excess of the contractor's/proposer's insurance and shall not contribute with it.
 4. Each insurance policy required by this clause shall be endorsed to state that coverage shall not be suspended, voided, canceled by either party, reduced in coverage or in limits except after thirty (30) days prior written notice by certified mail, return receipt requested, has been given to District.
- E. The "Description of Operations" section must include the following: **The Lowell Joint School District is named as additional insured. Such insurance as is afforded by this policy shall be primary, and any insurance carried by District shall be excess and noncontributory.**"

The Contractor/proposer shall furnish District with original endorsements effecting coverage required by this clause. The endorsements are to be signed by a person authorized by that insurer to bind coverage on its behalf. All endorsements are to be received and approved by District before work commences.

17. Contractor's License. If, at the time and date of the bid opening, bidder is not properly licensed to perform the Project in accordance with Division 3, Chapter 9, of the Business and Professions Code and the Project Documents, such bid will be rejected as nonresponsive. (Public Contract Code Section 3300) Pursuant to Business and Professions Code Section 7028.15, no payment shall be made for work or materials under the contract unless and until the Registrar of Contractors verifies to District that the bidder was properly licensed at the time the bid was submitted. Any bidder not so licensed is subject to penalties under the law and the contract will be considered void and District shall have the right to bring an action against the unlicensed bidder awarded the contract for recovery of all compensation paid under the contract. (Business and Professions Code Section 7031(b)) If the license classification specified hereinafter is that of a "specialty contractor" as defined in Section 7058 of the Business and Professions Code, the specialty contractor awarded the contract for this work shall construct a majority of the work, in accordance with the provisions of Business and Professions Code Section 7059. The bidder may not use the contractor license of a third party for this bid.

18. Anti-Discrimination. In connection with all work performed under this Project, there shall be no unlawful discrimination against any prospective or active employee engaged in the work because of race, color, ancestry, national origin, religious creed, sex, age, marital status, physical disability, mental disability, or medical condition. The successful bidder agrees to comply with applicable Federal and State laws including, but not limited to, the California Fair Employment and Housing Act, beginning with

Government Code Section 12900 and Labor Code Section 1735. In addition, the successful bidder agrees to require like compliance by any subcontractors employed on the Project by such bidder.

19. Hold Harmless and Indemnification. The successful bidder awarded the contract will be required to indemnify and hold harmless District, its Governing Board, officers, agents, and employees as set forth in the Agreement.

20. Substitutions. Should the bidder wish to request any substitution for the materials, process, service, or equipment specified, the bidder shall be required to comply with Article 30 of the General Conditions.

21. Surety Qualifications for Bonds. Bidders shall ensure all surety companies have a minimum rating of "A" as rated by the current edition of Best's Key Rating Guide, published by A.M. Best Company, Oldwick, New Jersey 08858. Only California admitted surety insurers will be acceptable for the issuance of bonds. (Code of Civil Procedure Section 995.311) District shall verify the status of the surety by one of the following ways: (1) printing out information from the website of the California Department of Insurance confirming the surety is an admitted surety insurer and attaching it to the bond, or (2) obtaining a certificate from the county clerk for the county in which District is located that confirms the surety is an admitted surety insurer and attaching it to the bond. Any admitted surety insurer who cannot satisfy the minimum rating specified above, but who satisfies the following requirements set forth in Code of Civil Procedure Section 995.660 shall be accepted and approved for the issuance of bonds:

(a) There must be on file in the office of the county clerk, for the county in which District is located, an unrevoked appointment, power of attorney, bylaws, or other instrument, duly certified by the proper authority and attested by the seal of the insurer authorizing the person who executed the bond to do so for and on behalf of the insurer within ten (10) calendar days of the insurer's receipt of a request to submit such document from District, and an original or certified copy of the document must be submitted to District.

(b) A certified copy of the certificate of authority of the insurer issued by the Insurance Commissioner must be submitted to District within ten (10) calendar days of the insurer's receipt of a request to submit such document from District.

(c) A certificate from the clerk of the county that the certificate of authority of the insurer has not been surrendered, revoked, cancelled, annulled, or suspended, and in the event it has, whether renewed authority has been granted must be submitted to District within ten (10) calendar days of the insurer's receipt of a request to submit such document from District.

(d) Copies of the insurer's most recent annual statement and quarterly statement filed with the California Department of Insurance must be submitted to District within ten (10) calendar days of the insurer's receipt of a request to submit the statements.

22. Liquidated Damages. All work must be completed within the time limits set forth in the Project Documents. It is agreed that damages for the failure to complete the Project described herein within the time limits required are impossible to ascertain. Should the work not be completed within the specified time for completion, the successful bidder awarded the contract shall be liable for liquidated damages, payable

to District, in an amount **One Thousand Dollars (\$1,000)** for each consecutive calendar day of delay in completion. Such damages shall be deducted from any payments due or to become due to the successful bidder. Government Code Section 53069.85, Civil Code Section 1671.

23. Drug-Free Workplace Certification. Pursuant to Government Code Sections 8350, et seq., the successful bidder will be required to execute a Drug-Free Workplace Certification upon execution of the Agreement. The bidder will be required to take positive measures outlined in the certification in order to ensure the presence of a drug-free workplace. Failure to abide with the conditions set forth in the Drug-Free Workplace Act could result in penalties including termination of the Agreement or suspension of payment thereunder.

24. Noncollusion Declaration. In accordance with the provisions of Section 7106 of the Public Contract Code, each bid must be accompanied by a non-collusion affidavit properly notarized.

25. Escrow Agreement. N/A

26. Change Orders. N/A

27. Tobacco-Free Policy. The successful bidder shall agree to enforce a tobacco-free work site.

28. Criminal Records Check. The successful bidder will be required to comply with the applicable requirements of Education Code Section 45125.1 with respect to fingerprinting of employees and must complete District's Criminal Records Check Certification.

29. Lead. Pursuant to the Lead-Safe Schools Protection Act (Education Code Sections 32240, et seq.) and other applicable law, the successful bidder shall not use lead-based paint, lead plumbing and solders, or other potential sources of lead contamination in the construction of any new school facility or the modernization or renovation of any existing school facility.

30. Disabled Veteran Business Enterprises. Each bidder must meet goals and requirements relating to three percent (3%) participation by Disabled Veteran Business Enterprises established by District and the State Allocation Board (SAB), or make a good faith effort with respect thereto, in accordance with District's policies and procedures. Bidders may obtain information from the Office of Small Business Certification and Resources (OSBCR) at <http://www.dgs.ca.gov/PD> or (916) 375-4940. The successful bidder shall be required to submit to District the DVBE Certification which is included in the Project Documents. Prior to, and as a condition precedent for final payment on the Project, the successful bidder shall provide appropriate documentation to District so that District can assess its success at meeting the DVBE participation goal.

Bid Bond No.: _____

V. BID BOND

KNOW ALL PERSONS BY THESE PRESENT, that we _____, as Principal, and _____ as Surety, a California admitted surety insurer, are held and firmly bound unto the Lowell Joint School District, hereinafter called District, in the sum of _____ (\$ _____) for the payment of which sum in lawful money of the United States, well and truly to be made, we jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns.

The condition of this obligation is such that whereas the Principal has submitted the accompanying bid dated _____, 20__, for _____

NOW, THEREFORE, if the Principal shall not withdraw said bid within the period specified therein after the opening of the same, or, if no period be specified, within sixty (60) days after said opening; and if the Principal is awarded the contract, and shall within the period specified therefore, or, if no period be specified, within **five (5)** working days after the notice of award of the contract, or as otherwise requested in writing by District, enter into a written contract with District, in accordance with the bid as accepted and give bonds with good and sufficient surety or sureties, as may be required for the faithful performance and proper fulfillment of such contract and for the payment for labor and materials used for the performance of the contract, furnish certificates and endorsements evidencing the required insurance is in effect and furnish and deliver to District, then the above obligation shall be void and of no effect, otherwise the bond amount shall be forfeited to District.

Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or the call for bids, or to the work to be performed thereunder, or the specifications accompanying the same, shall in any way affect its obligation under this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of said contract or the call for bids, or to the work, or to the specifications.

In the event suit is brought upon this bond by District and judgment is recovered, the Surety shall pay all costs incurred by District in such suit, including reasonable attorney's fees to be fixed by the court.

IN WITNESS HEREOF, the parties have executed this bond under their several seals this ___ day of ____, 2024, the name and corporate seal of each corporate party being hereto affixed and duly signed by its undersigned authorized representative.

(Corporate Seal of
Principal, if
Corporation)

Principal (Proper Name of Bidder)

By: _____

Signature

Print Name

Title

(Corporate Seal
of Surety)

Surety

(Attach Attorney-in-Fact Certificate
and Required Acknowledgements)

By: _____

Signature

Print Name

Title

Address

Telephone No.

Facsimile No.

VI. BID FORM

Name of Bidder: _____

To: Lowell Joint School District, acting by and through its Governing Board, herein called "District."

1. The undersigned Bidder, having become familiarized with all the following documents including but not limited to the Notice Calling for Bids, Information for Bidders, Bid Form, Bid Security, Designation of Subcontractors Form, Information Required of Bidder, all prequalification forms pursuant to Public Contract Code Section 20111.5, if any, Noncollusion Declaration, Workers' Compensation Certificate, Faithful Performance Bond, Payment Bond, Agreement, Drug-Free Workplace Certification, Criminal Records Check Certification, all insurance requirements, Guarantee forms, Contractor's Certificate Regarding Non-Asbestos Containing Materials, Compliance With Safety Regulations, Disabled Veteran Business Enterprises Certification, if applicable, General Conditions and Supplemental Conditions, if any, Special Conditions, if any, specifications, and all modifications, addenda and amendments, if any (hereinafter Project Documents), the local conditions affecting the performance of the work and the cost of the work at the place where the work is to be done, hereby proposes and agrees to be bound by all the terms and conditions of the Project Documents and agrees to perform, within the time stipulated, the work, including all of its component parts, and everything required to be performed, and to provide and furnish and pay for any and all of the labor, materials, tools, expendable equipment, and all applicable taxes, utility and transportation services necessary to perform the work and complete in a good workmanlike manner all of the work required in accordance with laws, codes, regulations, ordinances and any other legal requirements governing the work, in connection with the following:

CUPCCAA Bid No. 202324-001

FLOORING ABATEMENT - MACY ELEMENTARY SCHOOL

All in strict conformity with the Project documents, including Addenda Nos. _____, _____, _____, and _____, on file at the office of the Business Services Department of said District.

Acknowledge the inclusion of all Addenda issued prior to bid in the blanks provided above. Your failure to do so may render your bid non-responsive.

TOTAL CASH PURCHASE PRICE IN WORDS & NUMBERS:

_____ **DOLLARS**

(\$ _____)

BID PRICE SHEET

- All pricing herein to include all materials, labor, standard tools, supplies, equipment, applicable delivery, mileage, taxes, insurance, and all miscellaneous costs normally required to complete the job.
- **Note: Bid prices for labor may not be lower than the applicable Prevailing Wage for the specified work. See General Conditions – Prevailing Wage Rates.**
- Bid to be awarded to lowest responsive, responsible bidder.

Each individual bid term shall be determined from visiting the work site, reviewing the drawings and specifications and all portions of the Project Documents, and shall include all items necessary to complete the work, including the assumption of all obligations, duties, and responsibilities necessary to the successful completion of the Project, and the furnishing of all materials and equipment required to be incorporated in and form a permanent part of the work, and the furnishing of tools, equipment, supplies, transportation, facilities, labor, superintendence, and services required to perform and complete the work, all as per the requirements of the Project Documents, whether or not expressly listed or designated.

2. It is understood that District reserves the right to reject any or all bids or to waive any irregularities or informalities in any bids or in the bidding process. Bidder agrees that this bid shall remain open and not be withdrawn for the period specified in the Information for Bidders.

3. The required bid security is attached.

4. The required list(s) of proposed subcontractors is attached hereto, and the undersigned represents and warrants that such list(s) is complete and in compliance with the Subletting and Subcontracting Fair Practices Act. Public Contract Code Sections 4100, et seq.

5. It is understood and agreed that if written notice of the award of a contract is mailed, faxed, or delivered to the bidder, the bidder will execute and deliver to District the Agreement and will also furnish and deliver to District the Faithful Performance Bond and a separate Payment Bond as specified, and certificates and endorsements of insurance, the Workers' Compensation Certificate, Drug-Free Work Place Certification, the Criminal Records Check Certification, Contractor's Certificate Regarding Non-Asbestos Containing Materials, and the Disabled Veteran Business Enterprises Certification, if applicable, within **five (5)** working days of the notice of award of the contract, or as otherwise requested in writing by District. It is understood that should bidder fail or refuse to return these documents as required by District, the bid security shall be forfeited to District. The bidder further agrees that the work shall be commenced by the bidder, if awarded the contract, on or before the **seventh (7th)** day after receiving District's Notice to Proceed, and shall be completed by the bidder in the time specified by District.

6. Communications conveying notice of award, , requests for additional information or other correspondence should be addressed to the bidder at the address stated below.

7. The name(s) of all persons interested in the bid as principals are as follows:

8. In submitting this bid, 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

(Business & Professions Code Section 16700, et seq.) arising from purchases of goods, materials, or services by the bidder for sale to District pursuant to the bid. Such assignment shall be made and become effective at the time District tenders final payment under the contract. (Public Contract Code Section 7103.5; Government Code Section 4450, 4451 and 4552).

9. The undersigned hereby warrants that the bidder has an appropriate license, License No. _____, Class ____, at the time of the bid opening, that such license entitles bidder to provide the work, that such license will be in full force and effect throughout the duration of performance of this Project. Bidder shall be nonresponsive if the Bidder is not licensed as required by District at the time of the bid opening. Any and all subcontractors to be employed by the undersigned shall have appropriate licenses at the time of the bid opening.

10. The bidder hereby certifies that it is, and at all times during the performance of work hereunder shall be, in full compliance with the provisions of the Immigration Reform and Control Act of 1986 ("IRCA") in the hiring of its employees, and the bidder shall indemnify, hold harmless and defend District against any and all actions, proceedings, penalties or claims arising out of the bidder's failure to comply strictly with the IRCA.

11. It is understood and agreed that if requested by District, the bidder shall furnish a notarized financial statement, references, and other information required by District sufficiently comprehensive to permit an appraisal of bidder's ability to perform the Project.

12. The undersigned hereby warrants that all work shall be completed within the time specified in the purchase order or Notice to Proceed. Time is of the essence. The undersigned agrees that failure to complete the work within the time set forth herein will result in the imposition of liquidated damages for each consecutive calendar day of delay in the amount of **One Thousand Dollars (\$1,000)** (Government Code Section 53069.85)

13. The required non-collusion affidavit properly notarized is attached as required by Public Contract Code Section 7106. Bidder understands and agrees that failure to submit a completed and signed affidavit will render the bidder automatically nonresponsive.

14. It is understood and agreed that all change order requests must be submitted in the form set forth in the Project Documents and pursuant to Article 59 of the General Conditions. The amount of allowable charges submitted pursuant to a change order shall be limited to the charges allowed under Article 59 of the General Conditions. Indirect, consequential and incidental costs, project management costs, extended home office and field office overhead, administrative costs and profit and other charges not specifically authorized under Article 59 of the General Conditions will not be allowed.

15. The Information Required of Bidder form has been fully completed and is attached hereto.

The undersigned hereby declares that all of the representations of this bid are made under penalty of perjury under the laws of the State of California.

Individual

Name: _____

Signed by: _____

Print Name: _____

Date: _____

Business Address: _____

Telephone: _____

Partnership

Name: _____

Signed by: _____

Print Name: _____

Date: _____

Business Address: _____

Telephone: _____

Other Partner(s): _____

Corporation

Name: _____
(a _____ Corporation¹)

Business Address: _____

Telephone: _____

Signed by: _____, President, Date: _____

Print Name: _____, President

Signed by: _____, Secretary, Date: _____

Print Name: _____, Secretary

[Seal]

.....
Joint Venturer

Name: _____

Signed by: _____, Joint Venturer

Print Name: _____

Date: _____

Business Address: _____

Telephone: _____



A-Tech Consulting, Inc.

¹ A corporation awarded the contract shall furnish evidence of its corporate existence and evidence that the officer signing the Agreement and bonds is duly authorized to do so.

Other Parties to If
Joint Venture:

an individual: _____
(Name)

Signed by: _____

Print Name: _____

Date: _____

Doing Business as: _____;

Business Address: _____

Telephone: _____

If a Partnership: _____
(Name)

Signed by: _____, Partner

Print Name: _____

Date: _____

Business Address: _____

Telephone: _____

If a Corporation: _____
(a _____ Corporation)

Signed By: _____ Date: _____

Print Name: _____

Title: _____

Date: _____

Business Address: _____

Telephone: _____

VII. DESIGNATION OF SUBCONTRACTORS

In compliance with the Subletting and Subcontracting Fair Practices Act (Public Contract Code Section 4100 et. seq.) and any amendments thereof, each bidder shall set forth below: (a) the name and the location of the place of business of each subcontractor who will perform work or labor or render service to the bidder (prime contractor) in or about the construction of the work or improvement to be performed under this contract or a subcontractor licensed by the State of California who, under subcontract to the bidder (prime contractor), specially fabricates and installs a portion of the work or improvement according to detailed drawings contained in the plans and specifications in an amount in excess of one-half of one percent of the bidder's (prime contractor's) total bid and (b) the portion of the work which will be done by each subcontractor. The bidder (prime contractor) shall list only one subcontractor for each such portion as is defined by the bidder (prime contractor) in this bid.

If a bidder (prime contractor) fails to specify a subcontractor or if a bidder (prime contractor) specifies more than one subcontractor for the same portion of work to be performed under the contract in excess of one-half of one percent of the bidder's (prime contractor's) total bid, bidder shall be deemed to have agreed that bidder is fully qualified to perform that portion, and that bidder alone shall perform that portion. Violation of this requirement (including the procurement of a subcontractor for the Project if no subcontractor is specified) can result in District invoking the remedies of Public Contract Code Sections 4110 and 4111.

No bidder (prime contractor) whose bid is accepted shall (a) substitute any subcontractor, (b) permit any subcontractor to be voluntarily assigned or transferred or allow it to be performed by anyone other than the original subcontractor listed in the original bid, or (c) sublet or subcontract any portion of the work in excess of one-half of one percent of the bidder's (prime contractor's) total bid as to which the original bid did not designate a subcontractor, except as authorized in the Subletting and Subcontracting Fair Practices Act. Subletting or subcontracting of any portion of the work in excess of one-half of one percent of the bidder's (prime contractor's) total bid as to which no subcontractor was designated in the original bid shall only be permitted in cases of public emergency or necessity, only after a finding reduced to writing as a public record of District awarding this contract setting forth the facts constituting the emergency or necessity.

Note: If alternate bids are called for and bidder intends to use a different or additional subcontractor on the alternates, a separate list of subcontractors must be provided for each such alternate. Identify additional list of subcontractors by Alternate Bid No. _____.

Type of trade, labor, or service Date (Indicate if a	Name & License # of Subcontractor License Expiration Telephone No.* Disabled Veteran Business Enterprise)	Complete Address (Name of City Not Sufficient) and
---	--	--

_____	_____	_____
_____	_____	_____
_____	_____	_____

*Bidder agrees that within twenty-four (24) hours of the bid opening, Bidder shall provide District with the license number (if applicable), expiration date of license, complete address and telephone numbers of each listed subcontractor if such information is not available at the time of the bid opening.

Dated: _____
Name of Bidder

By: _____
(Signature of Bidder)

Print Name: _____

Address: _____

Telephone: _____

VIII. INFORMATION REQUIRED OF BIDDER

The bidder shall furnish all the following information. Bidder shall carefully read and answer all questions to ensure completeness and accuracy. Failure to comply with this requirement may cause rejection of the bid. Additional sheets may be attached if necessary. "You" or "your" as used herein refers to the bidder and any of its owners, officers, directors, shareholders, principals, responsible managing officer (RMO) or responsible managing employee (RME). District has discretion to request additional information depending on the Project.

(1) Bidder name and address (Post Office Box Number not sufficient):

(2) Telephone: _____ Fax No. _____

E-Mail: _____

(3) Individual _____ Partnership _____ Corporation _____ Joint Venture _____ (check one)

(4) Bidder's CA State Contractors License No. _____ Class: _____

License Expiration Date _____

Name of License Holder _____

DIR Registration No. _____

(5) Have you ever been licensed under a different name or different license number?

Yes ___ No ___ If "Yes," give name and license number.

(6) Names and titles of all your owners, officers, principals, responsible managing officers and responsible managing employees:

Name	Title
_____	_____
_____	_____
_____	_____

(7) Number of years as a contractor in this type of construction work: _____

- (8) Person who inspected work site:
 Name and Title: _____
 Date of Inspection: _____
- (9) How many years' experience have you had in school construction work?
 (a) as a general contractor? _____
 (b) as a subcontractor? _____
- (10) How many years' experience have you had in public construction work?
 (a) as a general contractor? _____
 (b) as a subcontractor? _____
- (11) Have you ever been terminated from a school or any public construction project prior to the completion of the project? Yes ___ No ___ If the answer is "Yes," give dates, names and addresses of school/public agency and details. _____

- (12) Have you ever been barred from bidding on any school or public construction project? Yes ___ No ___ If the answer is "Yes," give dates, names and addresses of school/public agency and details

- (13) Have you ever defaulted on any school or public construction project that resulted in a claim to a surety? Yes ___ No ___ If the answer is "Yes," give dates, names and addresses of school/public agency and details.

(14) Have you been assessed damages (i.e., liquidated damages) for any public construction project in the past ten (10) years? Yes ___ No ___ If the answer is "Yes," give dates, names, and addresses of public agency and details. _____

(15) Have you ever brought any claim(s) against a public agency? Yes ___ No ___ If the answer is "Yes," please explain in detail name of public agency, nature of the claim and outcome.

(16) Have you ever failed to complete a school or public construction project in the last ten (10) years? Yes ___ No ___ If the answer is "Yes," provide name of public agency and details. _____

(17) Have you been in litigation or arbitration or dispute of any kind on a question or questions relating to a public construction project during the past ten (10) years? Yes ___ No ___ If the answer is "Yes," provide name of public agency and details. _____

(18) List the names, addresses and telephone numbers of three Architects or Engineers whose jobs you have worked on in the past five (5) years.

<u>Name</u>	<u>Address</u>	<u>Telephone</u>
_____	_____	()
_____	_____	()
_____	_____	()

(19) Do you now or have you ever had any direct or indirect business, financial or other connection with any officer, employee or consultant of District?

Yes ____ No ____ If so, please elaborate.

(20) List at least five (5) of your most recent school construction projects.

(1) _____

(2) _____

(3) _____

(4) _____

(5) _____

(21) Are you currently under contract for another project? Yes ____ No ____ If the answer is “Yes,” please provide the following information:

(a) Project Number 1:

Name of Project: _____

Detailed Description: _____

Name of Project Owner: _____

Contract Amount: _____

Completion Date: _____

(b) Project Number 2:

Name of Project: _____

Detailed Description: _____

Name of Project Owner: _____

Contract Amount: _____

Completion Date: _____

(c) Project Number 3:

Name of Project: _____

Detailed Description: _____

Name of Project Owner: _____

Contract Amount: _____

Completion Date: _____

(d) Project Number 4:

Name of Project: _____

Detailed Description: _____

Name of Project Owner: _____

Contract Amount: _____

Completion Date: _____

(e) Project Number 5:

Name of Project: _____

Detailed Description: _____

Name of Project Owner: _____

Contract Amount: _____

Completion Date: _____

(22) Are there projects not listed above that will be undertaken during the duration of District's Project?
Yes _____ No _____ If the answer is "Yes," please provide the following information:

(a) Project Number 1:

Name of Project: _____

Detailed Description: _____

Name of Project Owner: _____

Contract Amount: _____

Completion Date: _____

(b) Project Number 2:

Name of Project: _____

Detailed Description: _____

Name of Project Owner: _____

Contract Amount: _____

Completion Date: _____

(c) Project Number 3:

Name of Project: _____

Detailed Description: _____

Name of Project Owner: _____

Contract Amount: _____

Completion Date: _____

(d) Project Number 4:

Name of Project: _____

Detailed Description: _____

Name of Project Owner: _____

Contract Amount: _____

Completion Date: _____

(e) Project Number 5:

Name of Project: _____

Detailed Description: _____

Name of Project Owner: _____

Contract Amount: _____

Completion Date: _____

(23) Additional information required: _____

(24) List of References - Public construction projects of similar nature in a school/community college/university within the last five (5) years. District has discretion to require more than five (5) references.

1. Name: _____
Address and Telephone: _____

Contact Person: _____
Description of Project: _____
Dates of commencement and completion of Project: _____

Contract Amount: _____
Architect: _____
Architect's Address and Telephone: _____

DSA or public agency inspector: _____
Address and Telephone: _____

2. Name: _____
Address and Telephone: _____

Contact Person: _____
Description of Project: _____
Dates of commencement and completion of Project: _____

Contract Amount: _____
Architect: _____

Architect's Address and Telephone: _____

DSA or public agency inspector: _____

Address and Telephone: _____

3. Name: _____

Address and Telephone: _____

Contact Person: _____

Description of Project: _____

Dates of commencement and completion of Project: _____

Contract Amount: _____

Architect: _____

Architect's Address and Telephone: _____

DSA or public agency inspector: _____

Address and Telephone: _____

4. Name: _____

Address and Telephone: _____

Contact Person: _____

Description of Project: _____

Dates of commencement and completion of Project: _____

Contract Amount: _____

Architect: _____

Architect's Address and Telephone: _____

DSA or public agency inspector: _____

Address and Telephone: _____

5. Name: _____

Address and Telephone: _____

Contact Person: _____

Description of Project: _____

Dates of commencement and completion of Project: _____

Contract Amount: _____

Architect: _____

Architect's Address and Telephone: _____

DSA or public agency inspector: _____

Address and Telephone: _____

I certify and declare under penalty of perjury under the laws of the State of California that the foregoing responses to the Information Required of Bidder are true and correct.

Signature

Print Name

Title

Date

IX. WORKERS' COMPENSATION CERTIFICATE

Labor Code Section 3700.

"Every employer except the state shall secure the payment of compensation in one or more of the following ways:

(a) By being insured against liability to pay compensation in one or more insurers duly authorized to write compensation insurance in this state.

(b) By securing from the Director of Industrial Relations a certificate of consent to self-insure either as an individual employer or as one employer in a group of employers, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his or her employees.

(c) For any county, city, city and county, municipal corporation, public district, public agency or any political subdivision of the state, including each member of a pooling arrangement under a joint exercise of powers agreement (but not the state itself), by securing from the Director of Industrial Relations a certificate of consent to self-insure against workers' compensation claims, which certificate may be given upon furnishing proof satisfactory to the director of ability to administer workers' compensation claims properly, and to pay workers' compensation claims that may become due to its employees. On or before March 31, 1979, a political subdivision of the state which, on December 31, 1978, was uninsured for its liability to pay compensation, shall file a properly completed and executed application for a certificate of consent to self-insure against workers' compensation claims. The certificate shall be issued and be subject to the provisions of Section 3702."

I am aware of the provisions of Labor Code Section 3700 which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this contract.

Name of the Contractor
By: _____
Signature

Print Name

Title

Date

(In accordance with Article 5 [commencing at Section 1860], Chapter 1, Part 7, Division 2 of the Labor Code, the above certificate must be signed and filed with the awarding body prior to performing any work under the contract.)

**X. CERTIFICATION – PARTICIPATION OF DISABLED VETERAN BUSINESS ENTERPRISES
IN ACCORDANCE WITH EDUCATION CODE 17076.11**

In accordance with Education Code Section 17076.11, Lowell Joint School District (District) has a participation goal for Disabled Veteran Business Enterprises of at least three percent (3%) per year of the overall dollar amount of funds allocated by District by the State Allocation Board pursuant to the Leroy F. Greene School Facilities Act of 1998 for construction or modernization of school buildings and expended each year by District. At the time of execution of the contract, the Contractor will provide a statement to District of anticipated participation of Disabled Veteran Business Enterprises in the contract. Prior to, and as a condition precedent for final payment under the contract, the contractor will provide appropriate documentation to District identifying the amount paid to Disabled Veteran Business Enterprises pursuant to the contract, so that District can assess its success at meeting this goal.

The contractor may provide the anticipated participation of Disabled Veteran Business Enterprises in terms of percentage of its total contract or the dollar amount anticipated to be paid to Disabled Veteran Business Enterprises or by providing the names of the Disabled Veteran Business Enterprises that will participate in the contract. If there is a discrepancy between the anticipated goals and the actual goals at completion of the contract or a failure to meet the anticipated goal or dollar amounts, District will require the contractor to provide, at the completion of the contract, a detailed statement of the reason(s) for the discrepancy or failure to meet the anticipated goals or dollar amounts.

I certify that I have read the above and will comply with the anticipated participation of Disabled Veteran Business Enterprises in this contract.

Signature

Typed or Printed Name

Title

Company

Address

City, State, Zip

Telephone

Fax

E-mail

XI. NONCOLLUSION DECLARATION

IN ACCORDANCE WITH PUBLIC CONTRACT CODE SECTION 7106

The undersigned declares:

I am the _____ of _____, the party making the foregoing bid.

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on _____[date], at _____[city], _____[state].

Signature

Print Name

XII. FAITHFUL PERFORMANCE BOND

KNOW ALL PERSONS BY THESE PRESENT:

WHEREAS, the Lowell Joint School District of Los Angeles County, California (hereinafter referred to as "District"), awarded _____ (hereinafter referred to as the "Contractor/Principal") the contract for the work described as **Macy Elementary School Flooring Abatement; CUPCCAA Bid #202324-001**.

WHEREAS, said Contractor/Principal is required under the terms of said contract to furnish a bond for the faithful performance of said contract which contract is incorporated herein by reference;

NOW, THEREFORE, we the undersigned Contractor, as Principal, and Surety, a California admitted surety insurer are held and firmly bound to District for one hundred percent (100%) of the total amount payable by District under the terms of the contract awarded by District to the Contractor/Principal, lawful money of the United States of America, for payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH THAT, if the hereby bonded Contractor/Principal, its heirs, executors, administrators, successors, or assigns, shall in all things stand to and abide by and well and truly keep and perform all the undertakings, terms, covenants, conditions, and agreements in the said contract which is attached hereto and incorporated herein by reference and any alteration and/or amendments thereof, made as therein provided, including, but not limited to, the provisions regarding contract duration and liquidated damages, all within the time and in the manner therein designated in all respects according to their true intent and meaning, then this obligation shall become null and void; otherwise, it shall be and remain in full force and effect.

As a condition precedent to the satisfactory completion of the contract, the above obligation shall hold good for a period of Two (2) year(s) after the acceptance of the work by District, during which time if Contractor/Principal shall fail to make full, complete, and satisfactory repair and replacements and totally protect District from loss or damage made evident during the period of To (2) year(s) from the date of completion of the work, and resulting from or caused by defective materials or faulty workmanship, the above obligation in penal sum thereof shall remain in full force and effect. The obligation of Surety hereunder shall continue so long as any obligation of Contractor remains.

Whenever Contractor/Principal shall be, and is declared by District to be, in default under the contract, District having performed District's obligations thereunder, the Surety shall promptly remedy the default, or shall promptly:

1. Complete the contract in accordance with its terms and conditions; or
2. Obtain a bid or bids for completing the contract in accordance with its terms and conditions, and upon determination by Surety of the lowest responsive and responsible bidder, arrange for a contract

between such bidder and District, and make available as work progresses, sufficient funds to pay the cost of completion less the balance of the contract price, but not exceeding, including other costs and damages for which Surety may be liable hereunder, the amount set forth above. The term, "balance of the contract price", as used in this paragraph shall mean the total amount payable to Contractor/Principal by District under the contract and any modifications thereto, less the amount previously properly paid by District to the Contractor/Principal.

Surety expressly agrees that District may reject any contractor or subcontractor which may be proposed by Surety in fulfillment of its obligations in the event of default by the Principal. Surety shall not utilize Contractor/Principal in completing the contract nor shall Surety accept a bid from Contractor/Principal for completion of the work if District, when declaring the Contractor/Principal in default, notifies Surety of District's objection to Contractor's/Principal's further participation in the completion of the work.

No right of action shall accrue on this bond to or for the use of any person or corporation other than District named herein or the successors or assigns of District. Any suit under this bond must be instituted within the applicable statute of limitations period.

FURTHER, the said Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or modification of the Project documents, or of the work to be performed thereunder, shall in any way affect its obligations on this bond; and it does hereby waive notice of any change, extension of time, alteration or modification of the Project documents or of work to be performed thereunder.

Contractor/Principal and Surety agree that if District is required to engage the services of an attorney in connection with the enforcement of this bond, each shall pay District's reasonable attorney's fees and costs incurred, with or without suit, in addition to the above amount.

[remainder of page intentionally left blank]

IN WITNESS WHEREOF, we have hereunto set our hands and seals this _____ day of _____, 20__.

CORPORATE SEAL, IF
APPLICABLE, AND NOTARIAL
ACKNOWLEDGEMENT OF
CONTRACTOR

Contractor/Principal
By: _____
Signature

Print Name and Title

SEAL AND NOTARIAL
ACKNOWLEDGEMENT OF
SURETY

Surety

By: _____
Signature

(Mailing Address, Telephone
No. and Facsimile No. of Surety)

Print Name and Title

(Attach Attorney-in-Fact Certificate
and Required Acknowledgement)

XIII. PAYMENT BOND

KNOW ALL PERSONS BY THESE PRESENT:

WHEREAS, the Lowell Joint School District of Los Angeles County, California ("hereinafter referred to as District"), has awarded to _____, hereinafter referred to as the "Contractor/Principal" a contract for the work described as _____

_____;

WHEREAS, said Contractor/Principal is required by Division 3, Part IV, Title XV, Chapter 7 (commencing at Section 3247) of the California Civil Code to furnish a bond in connection with said contract;

NOW, THEREFORE, we, the Contractor/Principal and _____, as Surety, a California admitted surety insurer, are held firmly bound unto District for one hundred percent (100%) of the total amount payable by District under the terms of the contract awarded by District to the Contractor/Principal lawful money of the United States of America for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that if said Contractor/Principal, his/her or its heirs, executors, administrators, successors, or assigns, or a subcontractor, shall fail to pay any person or persons named in Civil Code Section 3181 or fail to pay for any materials, or other supplies, used in, upon, for, or about the performance of the work contracted to be done, or for any work or labor thereon of any kind, or for amounts due under the Unemployment Insurance Code, with respect to work or labor thereon of any kind, or shall fail to deduct, withhold, and pay over to the Employment Development Department, any amounts required to be deducted, withheld, and paid over by Section 13020 of the Unemployment Insurance Code with respect to work and labor thereon of any kind, then said Surety will pay for the same, in or to an amount not exceeding the amount hereinabove set forth, and also will pay in case suit is brought upon this bond, such reasonable attorney's fees as shall be fixed by the court, awarded and taxed as provided in Division 3, Part IV, Title XV, Chapter 7 (commencing at Section 3247) of the California Civil Code.

This bond shall inure to the benefit of any of the persons named in Section 3181 of the California Civil Code, so as to give a right of action to such person or their assigns in any suit brought upon this bond.

It is further stipulated and agreed that the Surety of this bond shall not be exonerated or released from the obligation of the bond by any change, extension of time for performance, addition, alteration or modification in, to, or of any contract, plans, specifications, or agreement pertaining or relating to any scheme or work of improvement hereinabove described or pertaining or relating to the furnishing of labor, materials, or equipment therefore, nor by any change or modification of any terms of payment or extension of the time for any payment pertaining or relating to any scheme or work of improvement hereinabove described, nor by any rescission or attempted rescission of the contract, agreement or bond, nor by any conditions precedent or subsequent in the bond attempting to limit the right of recovery of claimants

otherwise entitled to recover under any such contract or agreement or under the bond, nor by any fraud practiced by any person other than the claimant seeking to recover on the bond and that this bond be construed most strongly against the Surety and in favor of all persons for whose benefit such bond is given, and under no circumstances shall Surety be released from liability to those for whose benefit such bond has been given, by reason of any breach of contract between District and original contractor or on the part of any obliged party named in such bond, but the sole conditions of recovery shall be that claimant is a person described in Section 3110 and 3112 of the California Civil Code, and has not been paid the full amount of his/her or its claim and that Surety does hereby waive notice of any such change, extension of time, addition, alteration or modification herein mentioned.

Any claims under this bond may be addressed to:

_____	(Name and address of Surety)
_____	(Name and address of agent or
_____	representative in California,
_____	if different from above)
_____	(Telephone and facsimile number of
_____	Surety or agent or representative in
_____	California

[remainder of page intentionally left blank]

IN WITNESS HEREOF, we have hereto set our hands and seals on this ____ day of _____, 20__.

CORPORATE SEAL, IF
APPLICABLE, AND NOTARIAL
ACKNOWLEDGEMENT OF
CONTRACTOR

Contractor/Principal

By: _____
Signature

Print Name and Title

SEAL AND NOTARIAL
ACKNOWLEDGEMENT OF
SURETY

Surety

By: _____
Signature

Print Name and Title

(Mailing Address, Telephone and
Facsimile No. of Surety)

(Attach Attorney-in-Fact Certificate and
Required Acknowledgement)

XIV. AGREEMENT

THIS AGREEMENT, dated _____, in the County of Los Angeles, State of California, is by and between Lowell Joint School District, (hereinafter referred to as "District"), and _____, (hereinafter referred to as "Contractor").

District and Contractor, for the consideration stated herein, agree as follows:

1. Contractor agrees to complete the Project known as **BID NO. 202324-001, FLOORING ABATEMENT – MACY ELEMENTARY SCHOOL**, according to all the terms and conditions set forth in the Project Documents, including but not limited to the Notice Calling For Bids, Information for Bidders, Bid Form, Bid Security, Designation of Subcontractors, Information Required of Bidder, all prequalification forms submitted pursuant to Public Contract Code Section 20111.5, if any, Non-collusion Affidavit, Workers' Compensation Certificate, Faithful Performance Bond, Payment Bond, Drug-Free Workplace Certification, Criminal Records Check Certification, Insurance Certificates and Endorsements, Guarantees, Contractor's Certificate Regarding Non-Asbestos Containing Materials, Disabled Veteran Business Enterprises Certification, if applicable, General Conditions, Supplemental Conditions, if any, Special Conditions, if any, Drawings, Specifications, and all modifications, addenda and amendments thereto by this reference incorporated herein. The Project Documents are complementary, and what is called for by any one shall be as binding as if called for by all.

2. CONTRACTOR shall perform within the time set forth in Paragraph 4 of this Agreement everything required to be performed, and shall provide, furnish and pay for all the labor, materials, necessary tools, expendable equipment, and all taxes, utility and transportation services required for construction of the Project. All of said work shall be performed and completed in a good workmanlike manner in strict accordance with the drawings, specifications and all provisions of this Agreement as hereinabove defined and in accordance with applicable laws, codes, regulations, ordinances and any other legal requirements governing the Project. CONTRACTOR shall be liable to District for any damages arising as a result of a failure to fully comply with this obligation, and CONTRACTOR shall not be excused with respect to any failure to so comply by any act or omission of the Architect, Engineer, Inspector, Division of State Architect, or representative of any of them, unless such act or omission actually prevents CONTRACTOR from fully complying with the requirements of the Project Documents, and unless CONTRACTOR protests at the time of such alleged prevention that the act or omission is preventing CONTRACTOR from fully complying with the Project Documents. Such protest shall not be effective unless reduced to writing and filed with District within three (3) working days of the date of occurrence of the act or omission preventing CONTRACTOR from fully complying with the Project Documents.

3. District shall pay to CONTRACTOR, as full consideration for the faithful performance of this Agreement, subject to any additions or deductions as provided in the Project Documents, the unit prices as specified in attached bid price sheet.

4. The work shall be commenced on or before the seventh (7th) day after receiving District's Notice to Proceed and shall be completed within **thirty (30)** consecutive calendar days from the date specified in the Notice to Proceed. The initial term of this agreement will be for one year, with two (2) one

year renewal periods, at the option of the Board of Trustees, for a total contract term not to exceed 36 months.

5. **Time is of the essence.** If the work is not completed in accordance with Paragraph 4 above, it is understood that District will suffer damage. It being impractical and infeasible to determine the amount of actual damage, in accordance with Government Code Section 53069.85, it is agreed that CONTRACTOR shall pay to District as fixed and liquidated damages, and not as a penalty, the sum of **One Thousand Dollars (\$1,000)** for each calendar day of delay until work is completed and accepted. Time extensions may be granted by District as provided in Article 63 of the General Conditions. Liquidated damages shall be imposed as set forth in Article 63 of the General Conditions.

6. Termination for Cause or Nonappropriation. In the event CONTRACTOR defaults in the performance of the Agreement as set forth in General Conditions Article 13(a) or if there is a nonappropriation of funds or insufficient funds as set forth in General Conditions Article 13(d), then this Agreement shall terminate or be suspended as set forth in General Conditions Article 13.

Termination for Convenience. District has discretion to terminate this Agreement at any time and require CONTRACTOR to cease all work on the Project by providing CONTRACTOR written notice of termination specifying the desired date of termination. Upon receipt of written notice from District of such termination for District's convenience, CONTRACTOR shall:

- (i) Cease operations as directed by District in the notice;
- (ii) Take any actions necessary, or that District may direct, for the protection and preservation of the work; and
- (iii) Not terminate any insurance provisions required by the Project Documents.

In case of such termination for District's convenience, CONTRACTOR shall be entitled to receive payment from District for work satisfactorily executed and for proven loss with respect to materials, equipment, and tools, including overhead and profit for that portion of the work completed. In the case of Termination for Convenience, District shall have the right to accept assignment of subcontractors. The foregoing provisions are in addition to and not in limitation of any other rights or remedies available to District.

7. CONTRACTOR agrees to and does hereby indemnify and hold harmless District, its Board of Trustees, officers, agents, and employees from every claim or demand made, and every liability, loss, damage, or expense, of any nature whatsoever, which may be incurred by reason of:

- (a) Any injury to or death of any person(s) or damage to, loss or theft of any property sustained by the CONTRACTOR or any person, firm or corporation employed by the CONTRACTOR, either directly or by independent contract, upon or in connection with the work called for in this AGREEMENT, except for liability resulting from the sole active negligence, or willful misconduct of District.

(b) Any injury to or death of any person(s) or damage, loss or theft of any property caused by any act, neglect, default or omission of the CONTRACTOR, or any person, firm, or corporation employed by the CONTRACTOR, either directly or by independent contract, arising out of, or in any way connected with the work covered by this Agreement, whether said injury or damage occurs either on or off District property, if the liability arose due to the negligence or willful misconduct of anyone employed by the CONTRACTOR, either directly or by independent contract,

The CONTRACTOR, at CONTRACTOR'S own expense, cost, and risk shall defend any and all actions, suits, or other proceedings that may be brought or instituted against District, its Governing Board, officers, agents or employees, on any such claim, demand or liability, and shall pay or satisfy any judgment that may be rendered against District, its Governing Board, officers, agents or employees in any action, suit or other proceedings as a result thereof.

8. Hold Harmless and Indemnification. To the fullest extent permitted by law, the CONTRACTOR, at the CONTRACTOR'S sole cost and expense, agrees to fully defend, indemnify and hold harmless, District, including but not limited to any of its governing board members, officers, employees and agents, from and against any and all claims, actions, demands, costs, judgments, liens, penalties, liabilities, damages, losses, anticipated losses of revenues, and expenses, including any fees of accountants, attorneys or other professionals, arising out of, in connection with, resulting from or related to, or claimed to be arising out of, in connection with, resulting from or related to any act or omission by the CONTRACTOR or any of its officers, agents, employees, subcontractors, sub-subcontractors, any person performing any of the work pursuant to a direct or indirect contract with the CONTRACTOR or individual entities comprising the CONTRACTOR, in connection with or relating to, or claimed to be in connection with or relating to the work, this Agreement, or the Project, including but not limited to any costs or liabilities arising out of or in connection with:

- (a) failure to comply with any applicable law, statute, code, ordinance, regulation, permit or orders;
- (b) any misrepresentation, misstatement or omission with respect to any statement made in the Project Documents or any document furnished by the CONTRACTOR in connection therewith;
- (c) any breach of duty, obligation or requirement under the Project Documents;
- (d) any failure to coordinate the work of other contractors;
- (e) any failure to provide notice to any party as required under the Project Documents;
- (f) any failure to act in such a manner as to protect District and the Project from loss, cost, expense or liability; or
- (g) any failure to protect the property of any utility company or property owner.

This indemnity shall survive termination of the contract or final payment thereunder. This indemnity is in addition to any other rights or remedies which District may have under the law or under the Project Documents. In the event of any claim or demand made against any party which is entitled to be indemnified

hereunder, District may in its sole discretion reserve, retain or apply any monies due to the CONTRACTOR under the Project Documents for the purpose of resolving such claims; provided, however, that District may release such funds if the CONTRACTOR provides District with reasonable assurance of protection of District's interests. District shall in its sole discretion determine whether such assurances are reasonable.

9. CONTRACTOR shall take out, prior to commencing the work, and maintain, during the life of this Agreement, and shall require all subcontractors, if any, whether primary or secondary, to take out and maintain the insurance coverages set forth below and in Articles 16, 17, 18 and 19 of the General Conditions. CONTRACTOR agrees to provide all evidences of coverage required by District including certificates of insurance and endorsements.

Public Liability Insurance for injuries including accidental death, to any one person in an amount not less than **\$1,000,000.00**

and

Subject to the same limit for each person on account of one accident, in an amount not less than **\$1,000,000.00**

Property Damage Insurance in an amount not less than **\$1,000,000.00**

Insurance Covering Special Hazards: The following special hazards shall be covered by rider or riders to above-mentioned public liability insurance or property damage insurance policy or policies of insurance, or by special policies of insurance in amounts as follows:

Automotive and truck where operated in amounts as above

Material hoist where used in amounts as above

10. Escrow Account: N/A

11. Labor Compliance Program: N/A

12. If CONTRACTOR is a corporation, the undersigned hereby represents and warrants that the corporation is duly incorporated and in good standing in the State of _____, and that _____, whose title is _____, is authorized to act for and bind the corporation.

13. Each and every provision of law and clause required by law to be inserted in this Agreement shall be deemed to be inserted herein and the Agreement shall be read and enforced as though it were included herein, and if through mistake or otherwise any such provision is not inserted, or is not currently

inserted, then upon application of either party the Agreement shall forthwith be physically amended to make such insertion or correction.

14. This Agreement constitutes the entire agreement of the parties. No other agreements, oral or written, pertaining to the work to be performed, exists between the parties. This Agreement can be modified only by an amendment in writing, signed by both parties and pursuant to action of the Governing Board of District. This Agreement shall be governed by the laws of the State of California.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed including all contract documents as indicated:

CONTRACT DOCUMENTS:

1. _____ Bid Bond
2. _____ Bid Form
3. _____ Designation of Subcontractors
4. _____ CA Contractors License Number
5. _____ DIR Registration Number
6. _____ Information Required of Bidder
7. _____ Contractor's Certificate Regarding Workers' Compensation
8. _____ Certification – Participation of Disabled Veteran Business Enterprise
9. _____ Noncollusion Declaration
10. _____ Faithful Performance Bond
11. _____ Payment Bond
12. _____ Agreement
13. _____ Drug-Free Workplace Certification
14. _____ Certification by Contractor Criminal Records Check
15. _____ Contractor's Certificate Non-Asbestos Containing Materials
16. _____ Tobacco Use Policy
17. _____ Conflict of Interest
18. _____ Compliance With Safety Regulations
19. _____ Certificate Of Liability Insurance
20. _____ W-9 Form

CONTRACT TERM

The terms of this base contract is for one year beginning _____, through _____, with two (2) one-year renewal terms at the option of the Board of Trustees, for a total contract term not to exceed 36 months.

District

Contractor

By: _____

By: _____

Signature

Signature

Print Name

Print Name

Title

Title

Contractor's License No.

Tax ID/Social Security No.

(CORPORATE SEAL OF CONTRACTOR,
if corporation)

XV. GUARANTEE

Project: Macy Elementary School Flooring Abatement CUPCAA BID #202324-001

The Contractor hereby warrants and guarantees to the District that all work, materials, equipment and workmanship provided, furnished or installed by or on behalf of Contractor in connection with the above referenced Project (the "Work") have been provided, furnished and installed in strict conformity with the Contract Documents for the Work, including without limitation, the Drawings and the Specifications. Contractor further warrants and guarantees that all work, materials, equipment and workmanship as provided, furnished and/or installed are fit for use as specified and fulfill all applicable requirements of the Contract Documents including without limitation, the Drawings and the Specifications. Contractor shall, at its sole cost and expense, repair, correct and/or replace any or all of the work, materials, equipment and/or workmanship of the Work, together with any other items which may be affected by any such repairs, corrections or replacement, that may be unfit for use as specified or defective within a **period of Two (2) years** from the date of the District's Final Acceptance of the Work, ordinary wear and tear and unusual abuse or neglect excepted.

In the event of the Contractor's failure and/or refusal to comply with the provisions of this Guarantee, within the period of time set forth in the Contract Documents after the District's issuance of the Notice to the Contractor of any defect(s) in the Work, materials, equipment or workmanship, Contractor authorizes the District, without further notice to Contractor, to repair, correct and/or replace any such defective item at the expense of the Contractor. The Contractor shall reimburse the District for all costs, expenses or fees incurred by the District in providing or performing such repairs, corrections or replacements within ten (10) days of the District's presentation of a demand to the Contractor for the same.

The provisions of this Guarantee and the provisions of the Contract Documents for the Work relating to the Contractor's Guarantee(s) and warranty(ies) relating to the Work shall be binding upon the Contractor's Performance Bond Surety and all successors or assigns of Contractor and/or Contractor's Performance Bond Surety.

The provisions of this Guarantee are in addition to, and not in lieu of, any provisions of the Contract Documents for the Work relating to the Contractor's guarantee(s) and warranty(ies) or any guarantee(s) or warranty(ies) provided by any material supplier or manufacturer of any equipment, materials or other items forming a part of, or incorporated into the Work, or any other guarantee or warranty obligation of the Contractor, prescribed, implied or imposed by law.

The undersigned individual executing this Guarantee on behalf of Contractor warrants and represents that he/she is duly authorized to execute this Guarantee on behalf of Contractor and to bind Contractor to each and every provision hereof.

Warranty period shall begin on _____(Date)

Name of Contractor

By: _____
Signature of Contractor

Print Name

Title

Contractor shall provide copy of this Guarantee to Contractor's surety.

[remainder of page intentionally left blank]

Guarantee (continued)

Name of Subcontractor
(if work performed by subcontractor)

By: _____
Signature of Subcontractor

Print Name

Title

Representatives to be contacted for service:

Name: _____

Address: _____

Telephone Number: _____

XVI. OTHER REQUIRED DOCUMENTS

- **Drug-Free Workplace Certification***
- **Certification by Contractor Criminal Records Check***
- **Contractor's Certificate Regarding Non-Asbestos Containing Materials***
- **Tobacco Use Policy***
- **Conflict of Interest***
- **Compliance With Safety Regulations***
- **Certificates of Liability Insurance****
 - Requirements, Accord 25 and 2nd page Additional Insured Endorsement with "Sample"
- **W-9 Form****

***Must be completed and submitted with bid – No exceptions**

****Will be executed by successful bidder after award of bid, but before contract award is effective.**

DRUG-FREE WORKPLACE CERTIFICATION

This Drug-Free Workplace Certification is required pursuant to Government Code Sections 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 for the procurement of any property or services 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 awarded by a State agency may be subject to suspension of payments or termination of the contract and the contractor may be subject to debarment from future contracting, if the state agency determines that specified acts have occurred.

Pursuant to Government Code Section 8355, every person or organization awarded a contract 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 be given a copy of the statement required by subdivision (a) and that, as a condition of employment on the contract, 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 (c) 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 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 suspension of payments, termination, 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 Government Code 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.

NAME OF CONTRACTOR

Signature

Print Name

Title

Date

CERTIFICATION BY CONTRACTOR
CRIMINAL RECORDS CHECK
AB 1610, 1612 and 2102

To Board of Trustees of Lowell Joint School District:

I, _____ certify that:
(Name of Contractor)

1. I have carefully read and understand the Notice to Contractors Regarding Criminal Record Checks (Education Code §45125.1) required by the passage of AB 1610, 1612 and 2102.
2. Due to the nature of the work I will be performing for District, my employees
 will **OR** will not have contact with students of District.
3. My employees and volunteers who may have contact with District students must complete background checks with the California Department of Justice (DOJ) and the Federal Bureau of Investigation (FBI).
4. None of the employees who will be performing the work have been convicted of a violent or serious felony as defined in the Notice and in Penal Code sections §667.5 and §1192.7. This determination was made by a fingerprint check through the Department of Justice and the Federal Bureau of Investigation.

I declare under penalty of perjury that the foregoing is true and correct.

Executed at _____, _____ on _____
(City) (State) (Date)

Signature

Typed or printed name

Title

Address

Telephone

**NOTICE TO CONTRACTORS REGARDING CRIMINAL RECORDS CHECK
(EDUCATION CODE §45125.1)**

Education Code §45125.1 provides that if the employees of any entity that has a contract with a school District may have any contact with pupils, those employees shall submit or have submitted their fingerprints in a manner authorized by the Department of Justice (DOJ) together with a fee determined by the DOJ to be sufficient to reimburse itself for its costs incurred in processing the application.

The DOJ shall ascertain whether the individual whose fingerprints were submitted to it has been arrested or convicted of any crime insofar as that fact can be ascertained from information available to it. When the DOJ ascertains that an individual whose fingerprints were submitted to it has a pending criminal proceeding for a violent felony listed in Penal Code §1192.7(c) or has been convicted of such a felony, the DOJ shall notify the employer designated by the individual of the criminal information pertaining to the individual. The notification shall be delivered by telephone and shall be confirmed in writing and delivered to the employer by first-class mail.

The contract shall not permit an employee to come in contact with pupils until both the DOJ and the Federal Bureau of Investigation has ascertained that the employee has not been convicted of a violent or serious felony. The contractor shall certify in writing to District's Board of Trustees that none of its employees who may come in contact with pupils have been convicted of a violent or serious felony.

Penal Code §667.5(c) lists the following "violent" felonies: murder; voluntary manslaughter; mayhem; rape; sodomy by force; oral copulation by force; lewd acts on a child under the age of 14 years; any felony punishable by death or imprisonment in the state prison for life; any felony in which the defendant inflicts great bodily injury on another; any robbery perpetrated in an inhabited dwelling; arson; penetration of a person's genital or anal openings by foreign or unknown objects against the victim's will; attempted murder; explosion or attempt to explode or ignite a destructive device or explosive with the intent to commit murder; kidnapping; continuous sexual abuse of a child; and carjacking.

Penal Code §1192.7 lists the following "serious" felonies: murder; voluntary manslaughter; mayhem; rape; sodomy by force; oral copulation by force; a lewd or lascivious act on a child under the age of 14 years; any felony punishable by death or imprisonment in the state prison for life; any felony in which the defendant personally inflicts great bodily injury on another, or in which the defendant personally uses a firearm; attempted murder; assault with intent to commit rape or robbery; assault with a deadly weapon on a peace officer; assault by a life prisoner on a non-inmate; assault with a deadly weapon by an inmate; arson; exploding a destructive device with intent to injure or to murder, or explosion causing great bodily injury or mayhem; burglary of an inhabited dwelling; robbery or bank robbery; kidnapping; holding of a hostage by a person confined in a state prison; attempt to commit a felony punishable by death or imprisonment in the state prison for life; any felony in which the defendant personally uses a dangerous or deadly weapon; selling or furnishing specified controlled substances to a minor; penetration of genital or anal openings by foreign objects against the victim's will; grand theft involving a firearm; carjacking; and a conspiracy to commit specified controlled substances offenses.

**CONTRACTOR'S CERTIFICATE REGARDING
NON-ASBESTOS CONTAINING MATERIALS**

Per Article 69 of the General Conditions.

Certification for _____. We hereby certify that no Asbestos or Asbestos Containing Materials shall be used in this Project or in any tools, devices, clothing, or equipment used to affect the _____ which we have installed in the Lowell Joint School District under Project/Bid No. 1516-03.

- (a) Contractor further certifies that he/she has instructed his/her employees with respect to the above mentioned standards, hazards, risks and liabilities.
- (b) Asbestos and/or asbestos containing material shall be defined as all items containing but not limited to chrysotile, corcidolite, amosite, anthopyllite, tremolite and actinolite.
- (c) Any or all material containing greater than one-tenth of one percent (.1%) asbestos shall be defined as asbestos containing material.
- (d) Any disputes involving the question of whether or not material contains asbestos shall be settled by electron microscopy. The costs of any such tests shall be paid by the Contractor if the material is found to contain asbestos.
- (e) All work or materials found to contain asbestos or work or material installed with asbestos containing equipment will be immediately rejected and this work will be removed at no additional cost to District.

Date

Name of Contractor

By: _____
Signature

Print Name

Title

TOBACCO USE POLICY

In the interest of public health, Lowell Joint School District (District) provides a tobacco-free environment. Smoking or the use of any tobacco products are prohibited in buildings and vehicles, and on any property owned, leased or contracted for, by District. Failure to abide with conditions could result in the termination of this agreement.

Each employee engaged in the performance of the contract will be given a copy of this statement and, as a condition of this Agreement; the undersigned agrees to abide by the terms.

I acknowledge that I am aware of Tobacco Use Policy and hereby certify that I will adhere to the requirements of the policy.

Name of Bidder

Signature

Date

CONFLICT OF INTEREST

All Bidders shall respond to each of the following questions to determine whether any actual or perceived conflict of interest exists.

PRINT NAME

SIGNATURE AND DATE

TITLE OF OFFICER

NAME OF COMPANY

As part of your Certification, please respond to the following questions listed below:

1. Have you or any of your team member(s) or consultant(s) been employed by District in the last three years? [Yes] [No]. If your answer is "Yes", please provide the following information:

- a. Were you a full-time employee? [Yes] [No]
- Part-Time employee? [Yes] [No]
- As-Needed employee? [Yes] [No]
- Consultant? [Yes] [No]
- Or other, please [Yes] [No]

Explain: _____

b. What were the date(s) of your employment/employment contract/consulting contract?

c. In which department(s) of District did you work?

d. Who was/were your Supervisor(s)?

e. Please describe your job duties and responsibilities for each District position held?

f. What was your last date of employment?

2. Do any Board of Trustee Member(s) or District employee(s) have a business position or serve as an Officer(s), Partner(s) or Shareholder(s) in your company? [Yes] [No]. If the answer is "Yes", please provide the following information:

a. What is the name of the Board Member(s) or employee(s)?

b. What is his/her position with your company?

c. If a Board of Trustee member(s) or employee(s)/Shareholder(s) - what percentage of your company's shares does he/she own?

3. Are any of your former employee(s), (Consultants) presently employed by District? [Yes] [No]. If the answer is "Yes", please provide the following information for each such employee(s).

a. What is the name of the former employee(s)?

b. What was his/her title at your company?

If he/she held more than one position(s) with your company, please provide the title of each position(s) held.

c. Please describe his/her duties and responsibilities for each position(s) held at your company?

d. What were the date(s) of his/her employment?

[remainder of page intentionally left blank]

I declare under the Penalty of Perjury under the laws of the State of California that the abovementioned statements are true and correct to the best of my knowledge, and this declaration was executed on this day _____, _____, 20__; in the _____ (City), _____ (State).

(Signature)

(Printed Name)

(Title)

COMPLIANCE WITH SAFETY REGULATIONS

(a) Contractor shall be responsible for all damages to persons or property that occur as a result of its fault or negligence in connection with the prosecution of this Agreement and shall take all necessary measures and be responsible for the proper care and protection of all materials delivered and work performed until completion and final acceptance by District. Contractor shall provide such heat, covering, and enclosures as are necessary to protect all work, materials, equipment, appliances, and tools against damage by weather conditions. All work shall be solely at contractor's risk with the exception of damage to the work caused by "acts of God" as defined in Public Contract Code Section 7105.

(b) Contractor shall take, and require subcontractors to take, all necessary precautions for safety of workers and shall comply with all applicable federal, state, local and other safety laws, standards, orders, rules, regulations, and building codes to prevent accidents or injury to persons on, about, or adjacent to the work site and to provide a safe and healthful place of employment. Contractor shall furnish, erect and properly maintain at all times, as directed by District or required by conditions and progress of work, all necessary safety devices, safeguards, construction canopies, signs audible devices for protection of the blind, safety rails, belts and nets, barriers, lights, and watchmen for protection of workers and the public and shall post danger signs warning against hazards created by such features in the course of construction. Contractor shall designate a responsible employee, whose duty shall be to post information regarding protection and obligations of workers and other notices required under occupational safety and health laws, to comply with reporting and other occupational safety requirements, and to protect the life, safety and health of workers. Name and position of person so designated shall be reported in writing to District by contractor. Contractor shall correct any violations of safety laws, standards, orders, rules, or regulations. Upon the issuance of a citation or notice of violation by the Division of Occupational Safety and Health, such violation shall be corrected immediately by contractor at contractor's expense.

(c) In an emergency affecting safety of person or of work or of adjoining property, contractor, without special instruction or authorization from District, is hereby permitted to act, at its discretion, to prevent such threatened loss or injury; and contractor shall so act if so authorized or instructed by District. Any compensation claimed by contractor on account of emergency work shall be determined by written agreement with District.

(d) Contractor shall take adequate precautions to protect existing roads, sidewalks, curbs, pavements, utilities, adjoining property and structures (including, without limitation, protection from settlement or loss of lateral support), and to avoid damage thereto, and repair any damage thereto caused by construction operations.

(e) Contractor shall (unless waived by District in writing):

(1) When performing new construction on existing sites, become informed and take into specific account the maturity of the students on the site; perform work which may interfere with school routine before or after school hours; enclose working area with a substantial barricade; not allow any unauthorized individuals on the site; require all workers on the Project to be conspicuously identified either

by a firm logo on their clothing or prominent identification badge and arrange work to cause a minimum amount of inconvenience and danger to students and faculty in their regular school activities.

- (2) Provide substantial barricades around any shrubs or trees indicated to be preserved.
- (3) Deliver materials to building area over route designated by District.
- (4) When directed by District, take preventive measures to eliminate objectionable dust.
- (5) Enforce all instructions of District regarding signs, advertising, fires, and smoking and require that all workers comply with all regulations while on construction site.
- (6) Take care to prevent disturbing or covering any survey markers, monuments, or other devices marking property boundaries or corners. If such markers are disturbed by accident, they shall be replaced by an approved civil engineer at no cost to District.

Date _____

Name of Contractor

By: _____

Print Name

Title

INSURANCE REQUIREMENTS

The following coverages are required: Notify your insurance company that the wording in Section E must be included in the Descriptions of Operations section of the Certificate of Liability Insurance form.

The Certificate of Liability (Accord 25 or similar form) is to be issued by contractor's insurance company. **Lowell Joint School District** is to be named as **Additional Insured and Certificate Holder**.

Certificate Holder Information:

Lowell Joint School District
11019 Valley Home Avenue

Whittier, CA 90603

****Required Forms:**

Commercial General Liability Insurance – Additional Insured Endorsement

Option #1: Form CG 20 10 11 85

Or

Option #2: Choose either Form CG 20 10 07 04 **or** Form CG 20 33 07 04

Either form **must be accompanied** by Form CG 20 37 07 04

Commercial General Liability incl. Contractual Liab., and Broad Form Property Damage	\$1,000,000 minimum limit per occurrence \$2,000,000 minimum general aggregate
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Automobile Liability:	\$1,000,000 minimum limit per occurrence
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Workers' Compensation:	As required by the California Labor Code
Employers' Liability:	\$1,000,000 minimum limit

For all insurance coverages provided by vendor, the following terms apply:

- A. Any deductibles or self-insured retentions shall be declared in writing to District; District approval is required for any amounts over \$25,000.
- B. Insurance shall be placed with California admitted insurers with a current A.M. Best rating of no less than "A" unless otherwise approved by District, except that for Worker's Compensation, the State Compensation Fund of California is acceptable.
- C. Workers' Compensation and Employer's Liability policies shall contain a waiver of subrogation.
- D. The general liability and automobile liability policies are to contain, or be endorsed to contain, the following provisions:

1. Vendor agrees to defend, indemnify, save and hold harmless the Lowell Joint School District (District), its officers, agents, representatives, employees and the Board of Trustees; and provides named additional insured endorsements for District, its officers, agents, representatives, employees and the Board of Trustees. They are to be covered as insured as respects: liability arising out of activities performed by or on behalf of the vendor; products and completed operations of the vendor; premises owned, occupied or used by the vendor; or automobiles owned, leased, hired or borrowed by the vendor. The coverage shall contain no special limitations on the scope of protection afforded to District, its subsidiaries, officials, employees and the Board of Trustees.
 2. For any claims related to the Services, the vendor's insurance coverage shall be primary insurance as respects District, its subsidiaries, officials, employees and the Board of Trustees. Any insurance or self-insurance maintained by District, its subsidiaries, officials, employees and the Board of Trustees shall be excess of the vendor's insurance and shall not contribute with it.
 3. Each insurance policy required by this clause shall be endorsed to state that coverage shall not be suspended, voided, canceled by either party, reduced in coverage or in limits except after thirty (30) days prior written notice by certified mail, return receipt requested, has been given to District.
- E. The "Description of Operations" section must include the following: "Lowell Joint School District is named as additional insured. Such insurance as is afforded by this policy shall be primary, and any insurance carried by District shall be excess and noncontributory."

The vendor shall furnish District with original endorsements effecting coverage required by this clause. The endorsements are to be signed by a person authorized by that insurer to bind coverage on its behalf. All endorsements are to be received and approved by District before work commences.

Certificate of Liability Insurance

Contractors are not permitted to provide services without a Certificate of Liability Insurance being on file with the Purchasing Department.

The insurance requirement is a two page document of the following:

Lowell Joint School District must be named as additional insured and certificate holder on the Certificate of Liability Insurance form **Acord 25** (Page 1, see attached)

The second page is a separate endorsement page (Page 2, see attached) is required and should include your policy number and name the **Lowell Joint School District** as an additional insured.

Blanket endorsements are not acceptable.

Required Endorsement:

Lowell Joint School District is named as additional insured. Such insurance as is afforded by this policy shall be primary, and any insurance carried by District shall be excess and noncontributory.

See the following example.

POLICY NUMBER: CA700H6004

COMMERCIAL GENERAL LIABILITY

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED-DESIGNATED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART.

SCHEDULE

Name of Person or Organization: XYZ School District

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

WHO IS AN INSURED (Section II) is amended to include as an insured the person or organization shown in the Schedule as an insured but only with respect to liability arising out of your operations or premises owned by or rented to you.

SAMPLE

**Request for Taxpayer
Identification Number and Certification**

**Give Form to the
requester. Do not
send to the IRS.**

Go to www.irs.gov/FormW9 for instructions and the latest information.

Print or type. See Specific Instructions on page 3.	1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.	
	2 Business name/disregarded entity name, if different from above	
	3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes.	
	<input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate	
	<input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____ Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.	
	<input type="checkbox"/> Other (see instructions) ▶ _____	
	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):	
Exempt payee code (if any) _____		
Exemption from FATCA reporting code (if any) _____		
(Applies to accounts maintained outside the U.S.)		
5 Address (number, street, and apt. or suite no.) See instructions.		
Requestor's name and address (optional)		
6 City, state, and ZIP code		
7 List account number(s) here (optional)		

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number	
or	
Employer identification number	

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here	Signature of U.S. person ▶	Date ▶

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.

GENERAL CONDITIONS

ARTICLE 1 DEFINITIONS

1.1 BASIC DEFINITIONS

NOTE: The following shall not be construed as a comprehensive list of all definitions in the Contract Documents and there may be other definitions set forth in the Contract Documents. Additionally, any references to any DSA forms, documents or requirements shall be construed to incorporate any updates, supplements, or additions. The Contractor shall be required to meet the latest DSA requirements applicable to the Project.

1.1.1 Action of the Governing Board is a vote of a majority of the District's Governing Board.

1.1.2 Approval means written authorization through action of the Governing Board. The Governing board has delegated to the Assistant Superintendent the authority to approve certain modifications, Change Orders or Immediate Change Directives (Subject to the limits of the Delegation of Authority provided by the Board). In no case shall the Assistant Superintendent have authority to approve total Change Orders or Modifications to the Project exceeding 10% of the Contract Sum.

1.1.3 Architect means the architect, engineer, or other design professional engaged by the District to design and perform general observation of the work of construction and interpret the Drawings and Specifications for the Project. (See ARTICLE 4)

1.1.4 As-Builts are a set of Plans and Specifications maintained by the Contractor clearly showing all changes, revisions, substitutions, field changes, final locations, and other significant features of the Project. The As-Builts shall be maintained continuously throughout the Work for the Project and is both a prerequisite to the issuance of Payment Application and a requirement for Contract Close-Out. (See Article 3.17)

1.1.5 Beneficial Occupancy is the point in time when a building or buildings are fit for occupancy is fit for occupancy and its intended use. Basic requirements are the building is safe, at or near Substantial Completion, and all fire/ life safety items are approved and operational. The fact that a building is occupied does not mean that the building is ready for Beneficial Occupancy if there are elements that are unsafe or if fire/ life safety items are not approved and operational. Taking occupancy on a structure that is under a fire watch is not considered beneficial occupancy. Further, taking of Beneficial Occupancy is not a point in time when retention is due unless the entire school has obtained a Certificate of Substantial Completion that meets the definition of 1.1.46.

1.1.6 Claims. A Claim is a request for payment, supported by back-up documentation which includes, invoices time sheets, or other documents substantiating legitimacy or entitlement that is submitted during the Project or immediately following the Project made prior to the Final Retention Payment Application and prior to Final Completion of the Project. A "Claim" means a separate demand by the Contractor for (1) time extension, (2) payment of money or damages arising from Work done by or on behalf of the Contractor pursuant to the CONTRACT and payment of which is not otherwise expressly provided for or the claimant is not otherwise entitled to, or (3) and amount the payment of which is disputed by the District. (See Article 4.6)

1.1.7 Change Order (CO). A CO is a written instrument prepared by the Architect and signed by the District (as authorized by the District's Governing Board), the Contractor, and the Architect, stating their agreement upon (1) A description of a change in the Work, (2) The amount of the adjustment in the Contract Sum, if any; and (3) The extent of the adjustment in the Contract Time, if any. (See Article 7.2)

1.1.8 Change Order Request (COR). A COR is a written request supported by backup documentation prepared by the Contractor requesting that the District and the Architect issue a CO based upon a proposed change, or a change that results in an adjustment in cost, time or both, or arising from an RFP, CCD or ICD. (See Article 7.6)

1.1.9 Close-Out means the process for Final Completion of the Project, but also includes the requirements for the DSA Certification that the Project is Complete (See DSA Certification Guide). (See Article 9.9)

1.1.10 Construction Change Document (CCD). A Construction Change Document is a DSA term that is utilized to address changes to the DSA approved Plans and Specifications. There are two types of Construction Change Documents. (1) DSA approved CCD Category A for work affecting structural, access or fire/ life safety of the Project which will require a DSA approval; and, (2) CCD Category B for work NOT affecting structural safety, access compliance or fire/ life safety that will not require a DSA approval (except to confirm that no approval is required). Both CCD Category A and Category B shall be set forth in DSA Form 140 and submitted to DSA as required. (See Article 7.3)

1.1.11 Complete/ Completion/ Final Completion means that all Work in the Contract Documents is finished, the requirements of the Contract Documents have been met, the Project has been Closed Out, and all Work has ceased on the Project. This may also be referred to as Final Completion. In most cases, the recording of a Notice of Completion shall represent Completion of the Project. Beneficial Occupancy does not mean the Work is Complete.

1.1.12 Completion Date is the date when all Work for the Project shall be Substantially Complete and is the date assigned at the end of the Contract Time for the Project. (See Article 1.1.46)

1.1.13 Construction Manager. The Construction Manager is a consultant to the District contracted to assist in Project planning, management and construction of the Project. If there is a Construction Manager, they may assist in various aspects of the Project including, but not limited to Monitoring the progress of the construction, reviewing and monitoring the schedule, progress of work, monitoring pay requests, facilitating communications, advising the District and its Board of Education on various aspects of the construction process, monitoring the RFI, COR, CCD, ICD, RFP, Claims, Disputes and other Project related processes.

1.1.14 Contract or Agreement when the terms are used in these General Conditions shall be references to the Contract Documents as defined herein.

1.1.15 Contract Documents (sometimes referred to as Construction Documents) consist of the Agreement between District and Contractor (hereinafter the Agreement or Contract), Conditions of the Contract (General, Supplementary and other Conditions), Drawings, Specifications, Addenda issued prior to bid, instructions to bidders, notice to bidders, and the requirements contained in the Bid Documents, other documents listed in the Agreement, and Modifications issued after execution of the Contract. A Modification is a written amendment to the Contract signed by parties, a Change Order, a Construction Change Document, or a written order for a minor change in the Work issued by the Architect. The Contract

Documents collectively form the Contract. The Contract represents the entire and integrated Agreement between the parties hereto and supersedes prior negotiations, representations, or agreements, either written or oral. The Contract may be amended or modified only by a written Modification. The Contract Documents shall not be construed to create a contractual relationship of any kind between the Architect and Contractor, between the District and any Subcontractor or Sub-subcontractor, or between any persons or entities other than the District and the Contractor. The Architect shall, however, be entitled to performance and enforcement of obligations under the Contract intended to facilitate performance of the Architect's duties.

1.1.16 Contract Time is the time period specified in the Contract Documents in which the Project shall be completed. This is sometimes referred to a Contract Duration, or "time in which the Contractor has to complete the Project". (See Article 8.1.1)

1.1.17 Contractor, District, and Architect are those mentioned as such in the Agreement. They are treated throughout the Contract Documents as if they are of singular number and neuter gender. Any reference to "Owner" shall mean "District" or Macy Elementary School.

1.1.18 Cure is the act of remedying a material failure to perform under the terms of the Contract Documents during the time provided to correct Contractor's Default. Specific time periods are provided to Cure and Correct a Contractor Default under Article 14 and for a Partial Default under Article 2.2 as well as elsewhere in the Contract Documents.

1.1.19 Days mean calendar days unless otherwise specifically stated.

1.1.20 Default is a material breach of Contract. A Termination for Cause under Article 14 is a declaration of Default of the Contract and shall act as a demand upon the Surety to perform under the terms of the Performance Bond. Partial Defaults may also be tendered to the Surety at District's discretion. (See Article 2.2)

1.1.21 Dispute. A dispute is a disagreement on terms or conditions of the Project where the Contractor's opinion of the Project, Payment, Change Order or Request for Proposal differs from that of the District or Architect. A dispute only rises to the level of a claim once the dispute is assembled with back-up documentation and presented for evaluation. (See Article 4.6)

1.1.22 District Representative is the person designated by the District to represent the District during the Construction for the Project. This District Representative shall have the delegated authority as further defined in Article 1.1.2. This District Representative may be an employee of the District who may have the delegated authority as set forth in Article 1.1.3, and may also include Construction Managers. In some cases, the District and its Board may be assisted by a Construction Manager. When a Construction Manager is assisting the District, the Contractor, Architect, and Inspector shall have a primary contact with the District's Construction Manager who will advise the District.

1.1.23 Drawings/Plans are graphic and pictorial portions of the Contract Documents prepared for the Project and approved changes thereto, wherever located and whenever issued, showing the design, location, and scope of the Work, generally including Plans, elevations, sections, details, schedules, and diagrams as drawn or approved by the Architect. Sometimes Drawings will also be included in Addenda, Change Orders, and Specifications.

1.1.24 DSA is the Division of State Architect. DSA is the agency that provides design and construction oversight for K-12 Schools, Community Colleges, and State Funded Charter School Projects. DSA is the responsible agency for this Project and Contractor has submitted a bid for the Project since Contractor is familiar with Contractor's responsibilities under the DSA requirements more thoroughly set forth at Title 24 of the California Code of Regulations. Contractor agrees to abide by the jurisdiction of DSA and shall construct the Project to conform with the approved Plans, Specifications, Addenda, and Change Orders (inclusive of approved CCD's and ICD's issued by the District pending CCD approval). See DSA website.

1.1.25 Emergency shall be defined as a sudden, unexpected occurrence, involving a clear and imminent threat to the continuation of school classes, a critical path delay that will result in not being able to occupy the school when students arrive to use the facility, danger from the facility or from outside the facility, Act of God, or other action which requires immediate action to prevent or mitigate loss of, or damage to, life, health, property, or essential public services.

1.1.26 Float the total number of days an activity may be extended or delayed without delaying the Completion Date shown in the schedule. Float will fall into three categories: (1) Rain Days; (2) Governmental Delays; and, (3) Project Float. (See Article 8.1.4)

1.1.27 Immediate Change Directive. (ICD) A written order prepared by the Architect and signed by the District and the Architect, directing a change in the Work where the Work must proceed immediately and stating a proposed basis for adjustment, if any, in the Contract Sum or Contract Time, or both. (See Article 7.3)

1.1.28 Inspector of Record (IOR)/ Project Inspector (PI) is the individual retained by the District in accordance with Title 24 of the California Code of Regulations and who will be assigned to the Project

1.1.29 Notice of Non-Compliance (DSA Form 154) is a document issued by the Inspector if there is a deviation from the DSA approved Plans, Specifications, and Change Orders. (See Article 7.1.2)

1.1.30 Payment Application or Certificate of Payment is the Contractor's certified representation of the actual level of Work performed on the Project. Payment Applications are sometimes also called "Certificate of Payment", "Request for Payment", "Payment Application", or similar terms, and shall follow the Schedule of Values that are approved by the Architect, Inspector and District. (See Article 9.3)

1.1.31 Project is the complete construction of the Work performed in accordance with the Contract Documents.

1.1.32 Project Manual is the volume assembled for the Work which may include, without limitation, the bidding requirements, sample forms, Conditions of the Contract, and Specifications.

1.1.33 Provide shall include "provide complete in place," that is "furnish and install complete."

1.1.34 Punch List/ Punch Item/ Incomplete Punch Item is a list of minor repair items, prepared after the issuance of a Certificate of Substantial Completion, by the Inspector and Architect of Work required in order to complete the Contract Documents and ensure compliance with the DSA Approved

Plans so the Project may be Closed Out. Issuance of the Retention Payment is dependent of the proper completion of the Punch List. (See Article 9.9)

1.1.34.1 *Contractor's List of Punch Items* is a list of minor repair items the Contractor submits when the Contractor considers the Work Substantially Complete. Submission of this List of Incomplete Punch Items is the Contractor's representation that the Project is Substantially Complete. (See Article 9.9.1.1)

1.1.35 Request for Information (RFI) is a written request prepared by the Contractor requesting the Architect to provide additional information necessary to clarify or amplify an item which the Contractor believes is not clearly shown or called for in the Drawings or Specifications, or to address problems which have arisen under field conditions. (See Article 7.4)

1.1.36 Request for Proposal (RFP) is a written request prepared by the Architect (and/or CM) requesting the Contractor to submit to an estimate of the effect of a proposed change on the Contract Price and (if applicable) the Contract Time. (See Article 7.5)

1.1.37 Safety Orders are those issued by any city, county, state or federal agency having jurisdiction over the Project.

1.1.38 Schedule is the Contractor's view of the practical way in which the Work will be accomplished. In this Agreement there is a requirement for a Baseline Schedule and regular Schedule Updates that show all Work to be completed during the Contract Time and shall include all items listed under Article 8.3.2.9. See Article 8 of the General Conditions.

1.1.39 Schedule of Values is a detailed breakdown of the Contract Price for each Project, building, Phase of Work or Site as determined by the District. This Schedule of Values shall adequately detail the price for the Work so Progress Payments Applications can be meaningfully reviewed by the Inspector, Architect of Record, Engineer of Record, and District. (See Article 9.2)

1.1.40 Separate Contracts are Contracts that the District may have with other Contractors, vendors, suppliers, or entities to perform Work on the Project. This may include, but is not limited to Multi-Prime Trade Contractors, furniture installers, testing agencies, clean-up contractors, or network or low voltage contractors. Contractor shall plan for certain other contractors that may also be working on the Project site and address these other contractors in Contractor's Schedule. (See Article 6)

1.1.41 Site refers to the grounds of the Project as defined in the Contract Documents and such adjacent lands as may be directly affected by the performance of the Work.

1.1.42 Specifications are that portion of the Contract Documents consisting of the written requirements for material, equipment, construction systems, instructions, quality assurance standards, workmanship, and performance of related services.

1.1.43 Standards, Rules, and Regulations referred to are recognized printed standards and shall be considered as one and a part of these Specifications within limits specified. Federal, state and local regulations are incorporated into the Contract Documents by reference.

1.1.44 Stop Work Order, or an Order to Comply, is issued when either (1) the Work proceeds without DSA approval; (2) the Work proceeds without a DSA Inspector of Record, or (3) where DSA

determines that the Work is not being performed in accordance with applicable rules and regulations, and would compromise the structural integrity of the Project or would endanger lives. If a Stop Work Order is issued, the Work in the affected area shall cease until DSA withdraws the Stop Work Order. Pursuant to Education Code section 17307.5(b), the District shall not be held liable in any action filed against the District for any delays caused by compliance with the Stop Work Order

1.1.45 Subcontractor, as used herein, includes those having direct or indirect contracts with Contractor and ones who furnished labor, material or services for a special design according to Plans, Drawings, and Specifications of this Work.

1.1.46 Substantial Completion/ Substantially Complete(d) is not reached unless and until each of the following four (4) conditions have been met: (1) all contractually required items have been installed with the exception of only minor and Incomplete Punch List Items (See Article 9.9.1.2); (2) All Fire/Life Safety Systems have been installed, and are working and signed off on the DSA Form 152 Inspection Card, and all building systems including mechanical, electrical and plumbing are all functioning; (3) all other items DSA Form 152 Inspection Card for the Project have been approved and signed off; and (4) the Project is fit for occupancy and its intended use. For the purposes of this Contract, any references to Completion Date means Substantial Completion Date.

1.1.47 Substitution is a change in product, material, equipment, or method of construction from those required by the Construction Documents proposed by the Contractor. For this Project, a Substitution is subject to the filing of a Construction Substitution Request Form at the time of bid and meeting the requirements of Article 3.10.

1.1.48 Supplementary Conditions/ Supplementary General Conditions/ Special Conditions are terms that are sometimes used interchangeably and refer to any additional requirements or changes to the General Conditions as noted.

1.1.49 Surety is the person, firm, or corporation that executes as a bid bond, Payment Bond or Performance Bond guarantor on the Contractor's Bid, Contractor's Performance on the Contract and Payment of the Contractor's Subcontractors, material suppliers, vendors and labor on the Project. The Surety is bound to the same extent as the Contractor is bound once a Default occurs. A default includes a Termination for Substantial Failure to Perform under Article 14, but also includes any breach of Contract and is subject to the requirements and responsibilities as set forth in the Performance Bond.

1.1.50 Work shall include all labor, materials, services and equipment necessary for the Contractor to fulfill all of its obligations pursuant to the Contract Documents. It shall include the initial obligation of any Contractor or Subcontractor who performs any portion of the Work, to visit the Site of the proposed Work (a continuing obligation after the commencement of the Work), to fully acquaint and familiarize itself with the conditions as they exist and the character of the operations to be carried out under the Contract Documents, and make such investigation as it may see fit so that it shall fully understand the facilities, physical conditions, and restrictions attending the Work under the Contract Documents. Each such Contractor and its Subcontractors shall also thoroughly examine and become familiar with the Drawings, Specifications, and associated Contract Documents and bid documents before preparing and submitting any bid.

1.1.51 Workers include laborers, workers, and mechanics.

1.2 EXECUTION, CORRELATION AND INTENT

1.2.1 Correlation and Intent

1.2.1.1 *Documents Complementary and Inclusive.* The Contract Documents are complementary and are intended to include all items required for the proper execution and completion of the Work. All Contract Documents form the Contractor's Contract with the District. Any item of Work mentioned in the Specifications and not shown on the Drawings, or shown on the Drawings and not mentioned in the Specifications, shall be provided by Contractor as if shown or mentioned in both. The Contractor is bound to provide the Work complete and is under a legal duty to carefully study Plans and schedule operations well ahead of time and identify inconsistencies with the Plans and Specifications and call such inconsistencies to the attention of the Architect or Registered Engineer through the Inspector under Section 4-343(b) of Title 24.

1.2.1.2 *Work to be Complete.* Contractor has thoroughly studied the Contract Documents and understands that the District contracted with Contractor to provide a complete Project which means complete systems and buildings. The entire set of Contract Documents shows a complete Project and Contractor agrees that there are multiple disciplines putting together a set of Contract Documents. Thus, if portions of a system are shown on some Drawings and not others, this does not mean the Contractor is to only provide part of a system. For example, if an air conditioning unit is shown on the mechanical Drawings, the plumbing for the air conditioning is shown on another Drawing, and the electrical shown on the electrical Drawings, the Contractor is to provide a complete and working air conditioning system. The only time when an item is supplied incomplete is if the system is shown specifically as incomplete since others will be completing the system. Work includes, but is not limited to materials, workmanship, and manufacture of fabrication of components for the Project.

1.2.1.3 *Coverage of the Drawings and Specifications.* The Drawings and Specifications generally describe the Work to be performed by Contractor. Generally, the Specifications describe Work which cannot be readily indicated on the Drawings and indicate types, qualities, and methods of installation of the various materials and equipment required for the Work. It is not intended to mention every item of Work in the Specifications, which can be adequately shown on the Drawings, or to show on the Drawings all items of Work described or required by the Specifications even if they are of such nature that they could have been shown. All materials or labor for Work, which is shown on either the Drawings or the Specifications (or is reasonably inferable therefrom as being necessary to complete the Work), shall be provided by the Contractor. The Contractor is responsible for the whole Project as contractually set forth as the Contract Documents. It is intended that the Work be of sound, quality construction, and the Contractor shall be responsible for the inclusion of adequate amounts to cover installation of all items indicated, described, or implied in the portion of the Work to be performed by them.

1.2.1.4 *Conflicts.* In the event there is a discrepancy between the various Contract Documents, it is intended that the more stringent, higher quality, and greater quantity of Work shall apply.

1.2.1.5 *Conformance with Laws.* Each and every provision of law required by law to be inserted in this Contract shall be deemed to be inserted herein, and the Contract shall be read and enforced as though it were included herein, even if through mistake or otherwise any such provision is not inserted, or is not correctly inserted.

Before commencing any portion of the Work, Contractor shall check and review the Drawings and Specifications for such portion for conformance and compliance with all laws,

ordinances, codes, rules and regulations of all governmental authorities and public and municipal utilities affecting the construction and operation of the physical plant of the Project, all quasi-governmental and other regulations affecting the construction and operation of the physical plant of the Project, and other special requirements, if any, designated in the Contract Documents. Such checking shall include review of Title 24 of the California Code of Regulations, California Building Code, local utility, local water connection, local grading and all other applicable agencies. In the event Contractor observes any violation of any law, ordinance, code, rule or regulation, or inconsistency with the Contract Documents, Contractor shall, within five (5) days, notify the Inspector, Architect and District in writing of same and shall ensure that any such violation or inconsistency shall be corrected in the manner provided hereunder prior to the construction of that portion of the Project. (See Title 24 Section 4-343)

The Contractor shall bear all expenses of correcting Work done contrary to said laws, ordinances, rules, and regulations if the Contractor performed same (1) without first consulting the Architect for further instructions regarding said Work or (2) disregarded the Architect's instructions regarding said Work.

1.2.1.6 *Ambiguity and Inconsistency.* Before commencing any portion of the Work, Contractor shall carefully examine all Drawings and Specifications and other information given to Contractor as to materials and methods of construction and other Project requirements. Prior to commencing any portion of the Work, Contractor shall notify Architect and District in writing of any perceived or alleged error, inconsistency, conflict, ambiguity, or lack of detail or explanation in the Drawings and Specifications in the manner provided herein. If the Contractor or its Subcontractors, material or equipment suppliers, or any of their officers, agents, and employees performs, permits, or causes the performance of any Work under the Contract Documents, which it knows or should have known to be in error, inconsistent, or ambiguous, or not sufficiently detailed or explained, Contractor shall bear any and all costs arising therefrom including, without limitation, the cost of correction thereof without increase or adjustment to the Contract Price or the time for performance. Contractor shall maintain an adequate inspection system and perform personal observations and review work and pre-plan the project to ensure the Work performed under the Contract conforms to Contract requirements. Contractor shall maintain records of such review and observation to ensure strict compliance with the terms of the Contract.

1.2.1.7 *Typical Parts and Sections.* Whenever typical parts or sections of the Work are completely detailed on the Drawings, and other parts or sections which are of the same construction are shown in outline only, the complete or more detailed shall apply to the Work which is shown in outline.

1.2.1.8 *Dimensions.* Dimensions of Work shall not be determined by scale or rule. Figured dimensions shall be followed at all times. If figured dimensions are lacking on Drawings, Architect shall supply them on request. The Architect's decisions on matters relating to aesthetic effect will be final.

1.2.2 Addenda and Deferred Approvals

1.2.2.1 Addenda are the changes in Specifications, Drawings, Contract Documents, and Plans which have been authorized in writing by the District or Architect, and which alter, explain, or clarify the Contract Documents. Addenda shall govern over all other Contract Documents. Subsequent addenda issued shall govern over prior addenda unless otherwise specified in the addenda.

1.2.2.2 *Deferred Approvals.* Deferred Approvals are Submittals that are reviewed by the Architect (or Engineer of Record) and submitted to DSA for approval based on thorough detailing of manufacturer and Project specific design. See Article 3.9.1 and 3.9.3. The Deferred Approval item

cannot be fully detailed on the originally approved Drawings or Specifications because of variations in product design and manufacture. Contract Documents which require Deferred Approval items are meant to be for illustration purposes only. Approval of Plans for such a portion of the Work may be deferred until the material suppliers and Subcontractors are selected. All Deferred Approvals are noted in the Plans and Specifications. Contractor is responsible for all Deferred Approval requirements set forth in the Contract Documents. Contractor is responsible to comply with all laws, building codes, Title 24 and regulations necessary to obtain all necessary approvals, including those required from the Division of the State Architect (“DSA”) and the State Fire Marshall. Contractor shall not be granted an extension of time for failure to plan, schedule for and obtain necessary approvals. Contractor shall Schedule all Deferred Approval items in the Baseline Schedule and Schedule Updates under Article 3.9.6

1.2.3 Specification Interpretation

1.2.3.1 *Titles.* The Specifications are separated into titled sections for convenience only and not to dictate or determine the trade or craft involved.

1.2.3.2 *As Shown, Etc.* Where “as shown,” “as indicated,” “as detailed,” or words of similar import are used, reference is made to the Drawings accompanying the Specifications unless otherwise stated. Where “as directed,” “as required,” “as permitted,” “as authorized,” “as accepted,” “as selected,” or words of similar import are used, the direction, requirement, permission, authorization, approval, acceptance, or selection by Architect is intended unless otherwise stated.

1.2.3.3 *General Conditions.* The General Conditions and Supplementary General Conditions are a part of the Contract Documents which further defines and refines the Contract entered between the Contractor and District.

1.2.3.4 *Abbreviations.* In the interest of brevity, the Specifications are written in an abbreviated form and may not include complete sentences. Omission of words or phrases such as “Contractor shall,” “shall be,” etc., are intentional. Nevertheless, the requirements of the Specifications are mandatory. Omitted words or phrases shall be supplied by inference in the same manner as they are when a “note” occurs on the Drawings. In the interest of brevity, the Contract Documents frequently omit modifying words such as “all” and “any” and articles such as “the” and “an,” but the fact that a modifier or an article is absent from one statement and appears in another is not intended to affect the interpretation of either statement.

1.2.3.5 *Plural.* Words in the singular shall include the plural whenever applicable or the context so indicates.

1.2.3.6 *Metric.* The Specifications may indicate metric units of measurement as a supplement to U.S. customary units. When indicated thus: 1” (25 mm), the U. S. customary unit is specific, and the metric unit is nonspecific. When not shown with parentheses, the unit is specific. The metric units correspond to the “International System of Units” (SI) and generally follow ASTM E 380, “Standard for Metric Practice.”

1.2.3.7 *Standard Specifications.* Any reference to standard specifications of any society, institute, association, or governmental authority is a reference to the organization’s standard specifications, which are in effect at the date of the Contractor’s proposal unless directed otherwise. If applicable specifications are revised prior to completion of any part of the Work, the Contractor may, if acceptable to Architect, perform such Work in accordance with the revised specifications. The standard

specifications, except as modified in the Specifications for the Project, shall have full force and effect as though printed in the Specifications. Architect will furnish, upon request, information as to how copies of the standard specifications referred to may be obtained.

1.2.4 Rules of Document Interpretation

1.2.4.1 In the event of conflict within the Drawings, the following rules shall apply:

- a. General Notes, when identified as such, shall be incorporated into other portions of Drawings.
- b. Schedules, when identified as such, are complementary with other notes and other portions of Drawings including those identified as General Notes.
- c. Larger scale Drawings shall take precedence over smaller scale Drawings.
- d. At no time shall the Contractor base construction on scaled Drawings.

1.2.4.2 Specifications shall govern as to materials, workmanship, and installation procedures.

1.2.4.3 If Contractor observes that Drawings and Specifications are in conflict, Contractor shall, prior to commencing work, notify the Architect in writing for the purposes of obtaining an interpretation of the Contact Documents.

1.2.4.4 In the case of conflict or inconsistencies, the order of precedence shall be as follows:

- a. General Conditions take precedence over Drawings and Specifications.
- b. Supplemental Conditions take precedence over General Conditions.
- c. The Agreement Form shall take precedence over the Supplemental Conditions.
- d. In the case of disagreement or conflict between or within Specifications, and Drawings, the more stringent, higher quality, and greater quantity of Work shall apply.
- e. Addenda shall take precedence over Drawings and Specifications.
- f. General Conditions shall take precedence over Addenda.
- g. Drawings and Specifications take precedence over the Soils Report.

1.3 OWNERSHIP AND USE OF ARCHITECT'S DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS

The Drawings, Specifications, and other Contract Documents for the Project are the property of the District and/or Architect pursuant Contract requirements between the District and Architect. The Contractor may retain one Contract record set. Neither the Contractor nor any Subcontractor, or material or equipment supplier shall own or claim a Copyright in the Drawings, Specifications, and other documents prepared by the Architect. All copies except the Contractor's record set, shall be returned or properly accounted for upon completion of the Work. The Drawings, Specifications, and other documents prepared by the Architect, and copies thereof furnished to the Contractor are not to be used by the Contractor or any Subcontractor, Sub-subcontractor, or material or equipment supplier on other projects or for additions to this Project outside the scope of the Work. The District and/or Architect hereby grants the Contractor, Subcontractors, Sub-subcontractors, and material or equipment suppliers a limited license to use applicable portions of the Drawings, Specifications, and other documents prepared for the Project in the execution of their Work under the Contract Documents. Submittal or distribution to meet official regulatory requirements or for other purposes in connection with this Project is not to be construed as publication in derogation of the District's property interest or other reserved right.

**ARTICLE 2
DISTRICT**

2.1 INFORMATION AND SERVICES REQUIRED OF THE DISTRICT

2.1.1 Site Survey

The District will furnish, at its expense, a legal description of the Site and a land survey showing the boundaries of the Site. Contractor shall be responsible for all surveys regarding location of construction, grading and site work.

2.1.2 Soils

When required by the scope of the Project, the District will furnish, at its expense, the services of geotechnical engineers or consultants when reasonably required and deemed necessary by the Architect or as required by local or state codes. Such services, with written reports and appropriate written professional recommendations, may include test boring, test pits, soil bearing values, percolation tests, air and water pollution tests, and ground corrosion and resistivity tests, including necessary operations for determining subsoil, air, and water conditions.

2.1.3 Soils Report Part of the Contract Documents: Contractor Reliance

A soils investigation report has been obtained from test holes at the Site, and such report is incorporated into this Contract and made available for the Contractor's use in preparing its bid and Work under this Contract. Where the Plans and Specifications are more specific and provide more significant structure, systems, reinforcing, thicknesses, or construction methods, the Drawings shall control over the soils report. The soils report is available at the Architect's office for review and it is Contractor's responsibility to ensure that Contractor has reviewed the soils investigation report. Any information obtained from such report or any other information given on Drawings as to subsurface soil condition or to elevations of existing grades or elevations of underlying rock is approximate only. If, during the course of Work under this Contract, Contractor encounters subsurface conditions which differ materially from those indicated in the soils report, then Contractor shall notify the District within five (5) calendar days of discovery of the condition, and changes to the Contract Price may be made in accordance with Article 7 entitled "Changes in the Work." Contractor agrees that no claim against District will be made by Contractor for damages and hereby waives any rights to damages in the event the Contractor fails to notify District within the five-day period mentioned above.

WARNING: DISTRICT DOES NOT WARRANT THE SOILS AT THE PROJECT SITE. CONTRACTOR HAS REVIEWED AND IS FAMILIAR WITH THE REQUIREMENTS OF THE SOILS INVESTIGATION REPORT. CONTRACTOR UNDERSTANDS THAT PLANS, DRAWINGS AND SPECIFICATIONS SUPERSEDE THE SOILS REPORT IF THERE ARE CONFLICTS. FURTHER, IN ADDITION TO THE INFORMATION IN THE SOILS REPORT, CONTRACTOR HAS CONDUCTED AN INDEPENDENT INVESTIGATION OF THE PROJECT SITE AND THE SOILS CONDITIONS OF THE SITE. DISTRICT DOES NOT WARRANT THE SOILS CONDITIONS OF THE SITE AND CONTRACTOR IS FULLY RESPONSIBLE TO ASCERTAIN SITE CONDITIONS FOR THE PURPOSES OF DETERMINING CONSTRUCTION MEANS AND METHODS PRIOR TO COMMENCING CONSTRUCTION.

2.1.4 Utilities

2.1.4.1 *Location of Point of Connection.* The locations shown for the point of connection are approximate. It shall be the responsibility of the Contractor to determine the exact location of all service connections.

2.1.4.2 *Regional Notification Center.* Contractor, except in an emergency, shall contact the appropriate regional notification center at least two (2) business days prior to commencing any excavation if the excavation will be conducted in an area or in a private easement which is known, or reasonably should be known, to contain subsurface installations other than the underground facilities owned or operated by the District, and obtain an inquiry identification number from that notification center. See Government Code section 4216.3. No excavation shall be commenced and carried out by the Contractor unless such an inquiry identification number has been assigned to the Contractor or any Subcontractor of the Contractor and the District has been given the identification number by the Contractor. Any damages arising from failure to make appropriate regional notification shall be at the sole risk of Contractor. Contractor shall solely be responsible for any fines, penalties or damages for violation of this Article and Government Code section 4216.6 or 4216.7. Any delays caused by failure to make appropriate regional notification shall be at the sole risk of Contractor and shall not be considered for extension of time pursuant to Article 8.4.

2.1.4.3 *Utilities - Removal and Restoration.* The District has endeavored to determine the existence of utilities at the Site of the Work from the records of the District of known utilities in the vicinity of the Work. The positions of these utilities as derived from such records are shown in the Contract Documents. Thus, the locations of the main or trunklines located on the Drawings are approximate locations and not exact.

No excavations were made to verify the locations shown for underground utilities. Other than the main or trunkline, which the District has endeavored to locate on the Plans, service connections or laterals to these utilities may not be shown on the Plans. It shall be the responsibility of the Contractor to determine the exact location of all service connections. The Contractor shall make its own investigations, including exploratory excavations, to determine the locations and type of service connections, prior to commencing work which could result in damage to such utilities. The Contractor shall immediately notify the District's representative as to any utility main or trunkline discovered by Contractor in a different position than provided by the Regional Notification Center. With respect to main or trunklines, Contractor is to immediately notify District if the location is substantially different than as shown in the Contract Documents.

Contractor shall coordinate its Work with all utilities, including, but not limited to electricity, water, gas and telephone and meet with said utilities prior to the start of any work. Contractor shall show timing of all utility coordination activities under the Scheduling requirements of Article 8.

2.1.4.4 *Other Utilities.* In case it should be necessary to remove, relocate, or temporarily maintain a utility because of interference with the Work, the work on the utility shall be performed and paid for as follows:

When it is necessary to remove, relocate or temporarily maintain a service connection, the cost of which is not required to be borne by the owner of the service connection, the Contractor shall bear all expenses incidental to the work on the service connection. The work on the service connection shall be done in a manner satisfactory to the owner thereof; it being understood that the owner

of the service connection has the option of doing such work with his own forces or permitting the work to be done by the Contractor.

When it is necessary to remove, relocate, or temporarily maintain a utility which is in the position shown on the Plans, the cost of which is not required to be borne by the owner thereof, the Contractor shall bear all expenses incidental to the work on the utility. The work on the utility shall be done in a manner satisfactory to the owner thereof; it being understood that the owner of the utility has the option of doing such work with his own forces or permitting the work to be done by the Contractor.

When it is necessary to remove, relocate, or temporarily maintain a utility which is not shown on the Plans or is in a position different from that shown on the Plans and were it in the position shown on the Plans would not need to be removed, relocated, or temporarily maintained, and the cost of which is not required to be borne by the owner thereof, the District will make arrangements with the owner of the utility for such work to be done at no cost to the Contractor, or will require the Contractor to do such work in accordance with Article 7 or will make changes in the alignment and grade of the Work to obviate the necessity to remove, relocate, or temporarily maintain the utility. Changes in alignment and grade will be ordered in accordance with Article 7 herein.

No representations are made that the obligations to move or temporarily maintain any utility and to pay the cost thereof is or is not required to be borne by the owner of such utility, and it shall be the responsibility of the Contractor to investigate to find out whether said cost is required to be borne by the owner of the utility.

The right is reserved to governmental agencies and to owners of utilities to enter at any time upon any street, alley, right-of-way, or easement for the purpose of making changes in their property made necessary by the Work and for the purpose of maintaining and making repairs to their property.

2.1.5 Existing Utility Lines; Removal, Relocation

2.1.5.1 *Main or Trunkline Facilities.* If the Contractor while performing the Contract discovers utility facilities not identified in the Contract Documents, Contractor shall notify the District and utility in writing prior to commencing work.

The owner of the public utility shall have the sole discretion to perform repairs or relocation work or permit the Contractor to do such repairs or relocation work at a reasonable price.

The Contractor shall exercise reasonable care and shall be compensated by the District for the actual verified field costs of locating, and removing, relocating, protecting or temporarily maintaining such main or trunkline utility facilities located in a substantially different location than in the Plans and Specifications, and for equipment in use on the project necessarily idled during such work. This Work shall be performed in accordance with Article 7 of these General Conditions.

2.1.5.2 *Assessment.* Nothing in these subparagraphs shall be deemed to require the District to indicate the presence of existing service laterals or appurtenances whenever the presence of such utilities on the Site can be inferred from the presence of other visible facilities, such as buildings, or meter junction boxes on or adjacent to the Site and could be inferred from the Main or Trunkline shown on the Drawings.

2.1.5.3 *Notification.* If the Contractor, while performing Work under this Contract, discovers utility facilities not identified by the District in the Contract Documents. Contractor shall, within five (5) days, notify the District and the utility in writing. If Contractor fails to notify the District within forty eight hours after discovery of any utility facilities not identified by District in the Contract Documents, Contractor waives all rights to be compensated for any extra Work or damages resulting from such discovered utilities.

2.1.6 Easements

District shall secure and pay for easements for permanent structures or permanent changes in existing facilities, if any, unless otherwise specified in the Contract Documents.

2.2 DISTRICT'S RIGHT TO CARRY OUT THE WORK DUE TO PARTIAL DEFAULT IN A SPECIFIC SEGREGATED AREA OF WORK (48 HOUR NOTICE TO CURE AND CORRECT)

If the Contractor Defaults or neglects to carry out the Work in accordance with the Contract Documents, the District may provide forty-eight (48) hour written notice to cure (a shorter period of time in the case of Emergency or a critical path delay as defined in Article 2.2.1) Contractor's Partial Default in a specific segregated area of work. The District's right to issue a Partial Default of the Contractor's Work and take over that segregated area of Work includes, but is not limited to:

1. Failure to supply adequate workers on the entire Project or any part thereof;
2. Failure to supply a sufficient quantity of materials;
3. Failure to perform any provision of this Contract;
4. Failure to comply with safety requirements, or due to Contractor is creation of an unsafe condition;
5. Cases of bona fide emergency;
6. Failure to order materials in a timely manner;
7. Failure to prepare Deferred Approval items or Shop Drawings in a timely manner;
8. Failure to comply with Contractor's Baseline or Update Schedule, meet critical Milestones which would result in a delay to the critical path, or delay the Contract Time;
9. Failure to comply with the Subletting and Subcontracting Fair Practices, Public Contract Code section 4100, et seq.
10. Failure to meet the requirements of the Americans with Disabilities Act;
11. Failure to complete Punch List work;
12. Failure to proceed on an Immediate Change Directive

13. Failure to correct a Notice of Deviation

If during the forty eight (48) hour period, the Contractor fails to Cure and correct the deficiency noted in the 48 hour notice of Partial Default with diligence and promptness, the District may correct such deficiencies without prejudice to other remedies the District may have, including a Termination for Cause as set forth in Article 14. If there are inadequate funds remaining the Project balance or in the Retention Escrow to address at least 150% of the costs set forth in the Article 2.2 notice, the District may copy the Surety on the written notice of Partial Default. If a notice to the Surety is provided, except in the cases of emergency or critical path delay, the Surety has the option to take over and complete the Work described in the written notice if Surety personally delivers notice to District that it intends to perform such work. In the case where written notice has been provided, the District shall allow Surety seven (7) days to perform the Work.

2.2.1 Service of Notice of Partial Default with Right to Cure

A written notice of Partial Default and right to cure under Article 2.2 (“Article 2.2 Notice” or “Notice of Partial Default”) shall be served by e-mail (with a copy provided by regular mail) to the e-mail address provided on the Bid submitted and copied to the Project Superintendent.

2.2.2 Shortened Time for Partial Default in the Case of Emergencies.

In an Emergency situation, the District may correct any of the deficiencies described in Article 2.2 without prejudice to other remedies by providing service of written notice of Emergency requiring a shortened time for Partial Default specifying the time given to cure, if any.

2.2.3 Shortened Time for Partial Default in the Case of Critical Path Delay

In the case of critical path delay, the District may correct any of the deficiencies described in Article 2.2 without prejudice to other remedies providing service of written notice of critical path delay to the Contractor with a specific description of the critical path delay items noting the line item or area of Work that is on the critical path and prescribe the length of shortened time to cure, if any.

2.2.4 Written Notice of Partial Default to be Deducted by Deductive Change Order

The District shall have the right to determine the reasonable value of the Article 2.2 Partial Default Work, or if there is an actual value for the Work, shall use that value and issue a Deductive Change Orders under Article 7.7.4

**ARTICLE 3
THE CONTRACTOR**

3.1 SUPERVISION AND CONSTRUCTION PROCEDURES

3.1.1 Contractor

The Contractor shall continually supervise and direct the Work using the Contractor's best skill and attention. The Contractor shall be solely responsible for and have control over construction means, methods, techniques, sequences, procedures; and shall coordinate all portions of the Work under the Contract, unless the Contract Documents give other specific instructions concerning these matters. The Contractor shall not perform the Work without utilizing the Contract Documents or, where required, approved Submittals, Shop Drawings, or samples for any such portion of the Work. If any of the Work is performed by contractors retained directly by the District, Contractor shall be responsible for the coordination and sequencing of the work of those other contractors so as to avoid any impact on the Project Schedule pursuant to the requirements of Article 6 and Article 8. Specific duties of the Contractor shall include those set out in Section 43 of Title 21 of the California Code of Regulations and Section 4-343 of Title 24 of the California Code of Regulations. These duties include, but are not limited to the following:

3.1.1.1 *Responsibilities.* It is the duty of the Contractor to complete the Work covered by his or her Contract in accordance with the approved Plans and Specifications. The Contractor in no way is relieved of any responsibility by the activities of the Architect, Engineer, Inspector or DSA in the performance of their duties.

3.1.1.2 *Performance of the Work.* The Contractor shall carefully study the approved Plans and Specifications and shall plan its schedule of operations well ahead of time. If at any time it is discovered that work is being done which is not in accordance with the approved Plans and Specifications, the Contractor shall correct the Work immediately.

3.1.2 Contractor Responsibility to Study the Plans and Specifications

All inconsistencies or timing or sequences which appear to be in error in the Plans and Specifications shall promptly be called to the attention of the Architect or, Engineer, for interpretation or correction. Local conditions which may affect the structure shall be brought to the Architect's attention at once. In no case, shall the instruction of the Architect be construed to cause work to be done which is not in conformity with the approved Plans, Specifications, change orders, construction change documents, and as required by law. (See Title 24, Section 4-343)

3.1.3 All Work Under the Direction of Inspector

Pursuant to Title 24 requirements, the Contractor shall not carry on Work except with the knowledge of the Inspector. (See Title 24 generally)

3.1.4 Contractor to Establish Timing and Protocol with Inspector

Contractor shall establish a protocol for requesting inspection with Inspector so as to not delay the Work and provide adequate time for the Inspector to perform inspection. If such a protocol is not established ahead of time, Inspector may utilize the time criteria set by Title 24 of 48 hours in advance of submitting form DSA 156 for each new area. DSA requirements under PR 13-01 specifically gives the

Special Inspector fourteen (14) days to post to the DSA website. Contractor is responsible for delays and for failure to plan.

For some Projects, there may be a need to incrementally install certain assemblies. It is up to Contractor to identify areas and assemblies that may be constructed incrementally. Contractor must identify and establish incremental areas of construction and establish protocols with Inspector for DSA 152 approvals so they may be presented to DSA. (See PR-13 item 1.17 for further discussion)

3.1.5 Verified Reports

The Contractor shall make and submit to the office from time to time, verified reports as required in Title 24 Section 4-366. As part of the Close-Out of the Project (see Article 9.9), Contractor shall be required to execute a Form 6-C as required under Title 24 Sections 4-343.

Contractor shall fully comply with any and all reporting requirements of Education Code sections 17315, et seq., in the manner prescribed by Title 24, as applicable.

3.1.6 Contractor Responsibility

The Contractor shall be responsible to the District for acts and omissions of the Contractor's employees, Subcontractors, material and equipment suppliers, and their agents, employees, invitees, and other persons performing portions of the Work under direct or indirect contract with the Contractor or any of its Subcontractors.

3.1.7 Obligations not Changed by Architect's Actions

The Contractor shall not be relieved of obligations to perform the Work in accordance with the Contract Documents either by activities or duties of the Architect in the Architect's administration of the Contract or by tests, inspections, or approvals required or performed by persons other than the Contractor.

3.1.8 Acceptance/Approval of Work

The Contractor shall be responsible to determine when any completed portions of the Work already performed under this Contract or provided pursuant to Article 6 are suitable to receive subsequent Work thereon.

3.2 SUPERVISION

3.2.1 Full Time Supervision

Unless personally present on the Project site where the Work is being performed, the Contractor shall keep on the Work at all times during its progress a competent, English speaking construction Superintendent satisfactory to the District. The Superintendent shall be present on a full-time basis, shall be dedicated exclusively to the Project and shall not share superintendency duties with another project or job. The Superintendent shall not be replaced except with written consent of the District. The Superintendent shall represent the Contractor in its absence and shall be fully authorized to receive and fulfill any instruction from the Architect, the Inspector, the District or any other District Representative (including CM in the cases where the District has a CM representative). All Requests for Information shall

be originated by the Superintendent and responses thereto shall be given to the Superintendent. No Work shall begin on any day by any Subcontractor or other person on the Project site until the Superintendent has arrived, or shall any Work continue during the day after the Superintendent has departed from the Project site. The Superintendent shall have authority to bind Contractor through the Superintendent's acts. The Superintendent shall represent the Contractor, and communications given to the Superintendent shall be binding on the Contractor. Before commencing the Work, Contractor shall give written notice to District (and CM representative) and Architect of the name and a Statement of Qualifications of such superintendent. Superintendent shall not be changed except with written consent of District, unless a superintendent proves to be unsatisfactory to Contractor and ceases to be in its employ, in which case, Contractor shall notify District and Architect in writing. Contractor shall provide a replacement superintendent approved by the District prior to performing additional work.

3.2.2 Staff

Notwithstanding other requirements of the Contract Documents, the Contractor and each Subcontractor shall: (1) furnish a competent and adequate staff as necessary for the proper administration, coordination, supervision, and superintendence of its portion of the Work; (2) organize the procurement of all materials and equipment so that the materials and equipment will be available at the time they are needed for the Work; and (3) keep an adequate force of skilled and fit workers on the job to complete the Work in accordance with all requirements of the Contract Documents.

3.2.3 Right to Remove

District shall have the right, but not the obligation, to require the removal from the Project of any superintendent, staff member, agent, or employee of any Contractor, Subcontractor, material or equipment supplier.

3.3 LABOR AND MATERIALS

3.3.1 Contractor to Provide

Unless otherwise provided in the Contract Documents, the Contractor shall provide and pay for labor, material, equipment, tools, construction equipment and machinery, water, heat, air conditioning, utilities, transportation, and other facilities, services and permits necessary for proper execution and completion of the Work whether temporary or permanent and whether or not incorporated or to be incorporated in the Work.

3.3.2 Quality

Unless otherwise specified, all materials and equipment to be permanently installed in the Project shall be new and shall be of the highest quality or as specifically stated in the Contract Documents. The Contractor shall, if requested, furnish satisfactory evidence as to kind and quality of all materials and equipment within ten (10) days of a written request by the District, including furnishing the District with bona fide copies of invoices for materials or services provided on the Project. All labor shall be performed by workers skilled in their respective trades, and shall be of the same or higher quality as with the standards of other school construction.

3.3.3 Replacement

Any work, materials, or equipment, which do not conform to these requirements or the standards set forth in the Contract Documents, may be disapproved by the District, in which case, they shall be removed and replaced by the Contractor at no additional cost or extension of time to the District.

3.3.4 Discipline

The Contractor shall enforce strict discipline and good order among the Contractor's and Subcontractor's employees, and other persons carrying out the Contract. The Contractor shall not permit employment of unfit persons or persons not skilled in tasks assigned to them. As used in this subsection, "unfit" includes any person who the District concludes is improperly skilled for the task assigned to that person, who fails to comply with the requirements of this article, or who creates safety hazards which jeopardize other persons and/or property.

3.3.5 Fingerprinting (Applicable at the time Project is Occupied and on all Projects where Workers will come in Contact with Pupils, such as Modernization Projects)

If applicable, Contractor shall comply with the applicable provisions of Education Code section 45125.1 in a method as determined by the District. Pursuant to Education Code section 45125.1, Contractor shall either conduct criminal background checks of all employees of Contractor assigned to the Project site, and shall certify that no employees who have been convicted of serious or violent felonies, as specified in Education Code section 45125.1, will have contact with pupils, by utilizing the Certification Regarding Background Checks and the corresponding Attachment "A" as found in the Contract Documents or shall be separated by a physical barrier from students.

If it is determined that Contractor must provide certification of employees, as part of such certification, Contractor must provide the District with a list of all employees providing services pursuant to this Agreement, and designate which sites such employees will be assigned. In performing the services set forth in this Agreement, Contractor shall not utilize any employees who are not included on the above-referenced list.

At District's sole discretion, District may make a finding, as authorized under Education Code section 45125.1, that Contractor's employees will have only "limited contact" with pupils. Contractor's failure to comply with this law shall be considered a material breach of this Agreement upon where this Agreement may be terminated, at District's sole discretion, without any further compensation to Contractor.

In the case of new construction Projects where there are no students, if the Project Schedule provides for Beneficial Occupancy or portions of the Project or if the Project should be delayed, then Contractor, at no additional costs, shall meet the requirements of either fingerprinting or providing a physical barrier as required by the District.

3.3.6 Noise, Drugs, Tobacco, and Alcohol

Contractor shall take all steps necessary to insure that employees of Contractor or any of its Subcontractors' employees do not use, consume, or work under the influence of any alcohol, tobacco or illegal drugs while on the Project. Contractor shall further prevent any of its employees or its Subcontractor employees from playing any recorded music devices or radios or wearing any radio headphone devices for entertainment while working on the Project. Likewise, Contractor shall prevent its employees or

Subcontractor's employees from bringing any animal onto the Project. Contractors shall not violate any written school policies.

3.3.7 Delivery of Material

Contractor shall place orders for materials or equipment so that the Work may be completed in accordance with the Construction schedule for the Work as set forth in Article 8 of this Agreement. Contractor shall, upon demand from the Architect, furnish to the Architect documentary evidence including, but not limited to purchase orders, invoices, bills of materials, work orders and bills of lading, showing that orders have been placed. Contractor shall have a system to receive materials and to ensure that the proper materials are being delivered, including in the case of critical materials to the Project, checking the delivery against Shop Drawings and ensuring that the materials meet the requirements of not only the Plans and Specifications, but also the approved Shop Drawings and Submittals and in conformance with Contractor's plan for delivery of materials (including but not limited to Contractor's representations in the Schedules for the Project and Contractor's equipment and materials schedule under Article 3.7.2.2). Contractor shall be responsible for all costs of accepting non-conforming materials delivered to the Project given Contractor's responsibilities and system for acceptance of deliveries. Contractor shall notify Inspector and District Representative (including CM) as early as possible, in writing, of the delivery of materials for the Project. The deliveries shall include documentation identifying the shipment sufficiently so that the Inspector, Architect or District Representative (including CM) may review the materials that are received. Under no circumstances shall materials be delivered to the Project site that are meant for another Project.

3.3.8 Liens and Other Security Interests of Subcontractors and Material Suppliers

No material, supplies, or equipment for the Work shall be purchased subject to any chattel mortgage or under a conditional sale or other agreement by which an interest therein or in any part thereof is retained by seller or supplier. Contractor warrants good title to all material, supplies, and equipment installed or incorporated in Work and agrees upon completion of all Work to deliver premises, together with all improvements and appurtenances constructed or placed thereon by it, to District free from any claims, security interests, liens, or charges. Contractor further agrees that neither it nor any person, firm, or corporation furnishing any materials or labor for any Work covered by this Contract shall have any right to place a lien upon the premises or any improvement or appurtenance thereof, except that Contractor may install metering devices or other equipment of a utility company or political subdivision, title to which is commonly retained by the utility company or political subdivision. In event of installation of any such metering device or equipment, Contractor shall advise District as to its owner within five (5) days of such installation in writing, prior to making the installation.

Contractor agrees to indemnify, defend and hold the District harmless from any liens, stop notices, or assertion of security interests, including judgments and levies. If after written notice Contractor fails to address the lien, stop notice, or other security interest, the District may proceed to address the lien, stop notice or claim and seek reimbursement from Contractor.

3.3.9 Title to Materials

The title to new materials or equipment for the Work of this Contract shall remain with Contractor until incorporated in the Work of this Contract until final acceptance of the Project; no part of said materials shall be removed from its place of storage, and Contractor shall keep an accurate inventory of all said materials and equipment in a manner satisfactory to the District or its authorized representative.

Responsibility for materials remains with Contractor and Contractor shall replace materials in case of loss. District similarly may pay for materials stored off site, but Contractor shall remain responsible for the materials that are stored off site.

3.3.10 Assemblies

For all material and equipment specified or indicated in the Drawings, the Contractor shall provide all labor, materials, equipment, and services necessary, (including engineering as specifically required with Shop Drawings or Deferred Approvals) for complete assemblies and complete working systems. Incidental items not indicated on the Drawings, nor mentioned in the Specifications, that can legitimately and reasonably be inferred to belong to the Work described, or be necessary in good practice to provide a complete assembly or system, shall be furnished as though itemized in the Contract Documents in every detail. In all instances, material and equipment shall be installed in strict accordance with each manufacturer's most recent published recommendations and Specifications.

3.3.11 Noise Control

The Contractor shall be responsible for the installation of noise reducing devices on construction equipment. Contractor shall comply with the requirements of the city and county having jurisdiction with regard to noise ordinances governing construction sites and activities. Construction equipment noise is subject to the control of the Environmental Protection Agency's Noise Control Program (Part 204 of Title 40, Code of Federal Regulations). If school is in session at any point during the progress of the Project, and, in the District's reasonable discretion, the noise from such Work disrupts or disturbs the students or faculty or the normal operation of the school, at the District's request, the Contractor shall schedule the performance of all such Work around normal school hours or make other arrangements so that the Work does not cause such disruption or disturbance. There are specific periods of testing at operational schools and it is critical that Contractor control noise during periods of testing. In no event shall Contractor have a right to receive additional compensation or an extension to the Contract time as a result of any such rescheduling or the making of such arrangements. These controls shall be implemented during site preparation and construction. All noise related issues, including school operations, and noise during testing should be detailed in the Schedule provided pursuant to Article 8

3.4 WARRANTY

The Contractor warrants to the District and Architect that material and equipment furnished under the Contract will be of the highest quality and new unless otherwise required or permitted by the Contract Documents, that the Work will be free from defects not inherent in the quality required or permitted, and that the Work will conform with the requirements of the Contract Documents. Work not conforming to these requirements, including substitutions not properly approved and authorized, may be considered defective. Contractor's warranty to District includes, but is not limited to, the following representations:

3.4.1 In addition to any other warranties provided elsewhere, Contractor shall, and hereby does, warrant all Work after the date of Notice of Completion of Work by District and shall repair or replace any or all such Work, together with any other Work, which may be displaced in so doing that may prove defective in workmanship or materials within a one (1) year period from date of Final Completion which shall be no later than the final date of Punch List as noted at Article 9.11) without expense whatsoever to District, ordinary wear and tear, unusual abuse or neglect excepted. District will give notice of observed defects with reasonable promptness. Contractor shall notify District upon completion of repairs.

3.4.2 In the event of failure of Contractor to comply with above mentioned conditions within one week after being notified in writing, District is hereby authorized to proceed to have defects repaired and made good at expense of Contractor who hereby agrees to pay costs and charges therefore immediately on demand.

3.4.3 If, in the opinion of the District, defective Work creates a dangerous condition or requires immediate correction or attention to prevent further loss to the District, the District will attempt to give the notice required by this Article. If the Contractor cannot be contacted or does not comply with the District's requirements for correction within a reasonable time as determined by the District, the District may, notwithstanding the provisions of this article, proceed to make such correction or attention which shall be charged against Contractor. Such action by the District will not relieve the Contractor of the guarantee provided in this Article or elsewhere in this Contract.

3.4.4 This Article does not in any way limit the guarantee on any items for which a longer warranty is specified or on any items for which a manufacturer gives a guarantee for a longer period. Contractor shall furnish District all appropriate guarantee or warranty certificates upon completion of the project.

3.5 TAXES

Contractor will pay all applicable Federal, State, and local taxes on all materials, labor, or services furnished by it, and all taxes arising out of its operations under the Contract Documents. District is exempt from Federal Excise Tax, and a Certificate of Exemption shall be provided upon request.

3.6 PERMITS, FEES AND NOTICES

3.6.1 Payment

The Contractor shall secure and pay for all permits and governmental fees, licenses, and inspections necessary for proper execution and completion of the Work which are necessary after execution of the Contract and are legally required by any authority having jurisdiction over the Project, except those required by the Division of the State Architect (DSA). District shall be responsible for all testing and inspection as required by the DSA on-site or within the distance limitations set forth in Article 13.5.2, unless a different mileage range is specified in the Supplemental Conditions.

3.6.1.1 *DSA Fees.* DSA policy is to charge CCD review fees for processing and approval of changes in the Plans and Specifications through the Construction Change Document process. Contractor is specifically directed to the current DSA IR A-30 which provides fee structure and charges that will be incurred for proceeding with respect to the CCD process, a process that must be followed for each change in the Plans and Specifications.

3.6.2 Compliance

The Contractor shall comply with and give notices required by any law, ordinance, rule, regulation, and lawful order of public authorities bearing on performance of the Work. Specifically, the Division of State Architect provides State oversight of the Project and enforcement of Title 24 rules and regulations. Contractor is directed to the DSA website. There will be local governmental oversight from City, County or both. Finally, Regional Water Quality Control Board, State Fire Marshall, local fire

marshal, Department of Industrial Relations, Department of Labor Standards Enforcement, and Air Quality Management District (Local and State) are some of the agencies that provide oversight and may require specific permits, fees, or provide oversight over the Project. Contractor represents understanding and specialized knowledge of the rules governing school districts and Contractor shall maintain compliance over the applicable rules and will file all documents required in order to ensure compliance with State, local, and other rules that apply to the Project.

3.6.3 Responsibility

The Contractor shall perform all Work in conformance with every law, statute, ordinance, building code, rule or regulation. The Contractor shall assume full responsibility for such Work and shall bear the attributable cost of correction or project delay.

Pursuant to Title 24 Section 4-343(b):

“Contractor shall carefully study the approved Plans and Specifications and shall plan a schedule of operations well ahead of time.... All inconsistencies or items which appear to be in error in the Plans and Specifications shall be promptly called to the attention of the architect or registered engineer, through the inspector, for interpretation or correction.”

To help Contractor plan its operations, Contractor is directed to study the current version of the DSA 152 Inspection Card Manual identifying the exact steps the Inspector is to follow in the review and sign off process for the DSA 152. The DSA 152 Inspection Card Manual provides specific detail as to the order of operations, review items and compliance items beyond the Specifications and Plans which are reviewed for DSA compliance. The most current version of this manual is located on DSA’s website.

Contractor is also specifically directed to the time periods for posting of Special Inspection Reports and Inspector Notifications under DSA PR 13-01 since the timing of Inspection is not a Governmental Entity related delay.

3.7 SUBMITTALS REQUIRED AT THE COMMENCEMENT OF THE PROJECT

3.7.1 Requirements Within Ten (10) Calendar Days

Within ten (10) calendar days after Notice to Proceed, Contract shall submit the following:

- 3.7.1.1 Detailed Schedule of Values (See Article 9.2)
- 3.7.1.2 Submittal Listing and Schedule for Submittals
- 3.7.1.3 Critical Path Baseline Schedule (See Article 8)

3.7.2 Requirements Within Thirty-Five (35) Calendar Days

Within thirty-five (35) calendar days after Notice to Proceed, Contractor shall submit the following:

3.7.2.1 *All Submittals for the Project* except those specifically agreed upon by District and Architect, in writing, and shall be specifically incorporated into the Submittal section of the

Schedule so as to not delay the Work. The agreement to allow a later Submittal does not mean that Article 3.3.7 is waived. Contractor shall order materials and ensure prices are honored and secured for the Project.

- a. Structural Steel may be included as a later Submittal than 35 days if Structural Steel is a significant portion of the Work, at least one or some of the Project is a structural steel structural system, or as specifically agreed upon by the Architect or District.
- b. It is specifically agreed that submissions of structural steel Submittals shall not be piecemeal (unless some portion is requested separately by the District or Architect), shall provide complete designs, shall be stamped by the structural steel Subcontractor, Contractor, and structural steel Subcontractor's structural engineer at time of submission and as further addressed in Article 3.9.
- c. In no case shall the submission of structural steel Drawings delay the critical path for the schedule. If a Milestone is provided for submission of complete structural steel Shop Drawings then the date shall be no later than as set forth in the Milestone

3.7.2.2 *Exceptions to Submittal Within Thirty-Five (35) Days by Written Agreement.* A written request detailing the specific reasons for a submission later than 35 days due to complexity of design or non-critical path status of the Submittal shall be submitted at the time the Baseline Schedule is submitted. The Baseline Schedule shall not include a delayed Submittal until written agreement is provided. In addition to the request for providing a Submittal after the thirty-five (35) day period, a copy of the Contract with the Subcontractor who shall be performing the Submittal, a written statement from the Subcontractor verifying that work has commenced on the Submittal and providing Subcontractor's own schedule of Milestones and completion dates, and a corresponding Submittal designation in the Schedule as required under Article 8. Approval of a delayed Submittal shall not result in any increase in the Contract Price or result in an extension of time for the completion of the Project.

3.7.2.3 *Piecemeal Submissions of Submittals.* Piecemeal Submittals mean providing portions of Shop Drawings or Submittals as they are being completed. The submission of piecemeal Submittals results in the appearance of a submission when there is inadequate information for the Architect or Engineer to adequately review a submission. Piecemeal differs from submission of complete buildings or phases of buildings or complete assemblies. The Architect may agree to allow submission of single buildings or areas as long as the Submittals are complete.

3.8 DOCUMENTS, SAMPLES, AND COMPUTER AT THE SITE

The Contractor shall maintain at the Site for the District one current copy of the California Building Code, Titles 19 and 24 of the California Code of Regulations, any other document required by DSA, and one record copy of the Drawings, Specifications, Addenda, Change Orders, and other Modifications, in good order and marked currently to record changes and selections made during construction. In addition, the Contractor shall maintain at the Site approved Shop Drawings, Product Data, Samples, and similar required Submittals. These documents shall be available to the Architect and shall be delivered to the Architect for delivery to the District upon completion of the Work.

Contractor shall have an operational computer with internet access so Contractor can review and post documents as required for the Project, including but not limited to the filing and posting of DSA required documents for the Project.

Contractor shall be prepared to review documents posted to the DSA Project website.

3.9 SUBMITTALS INCLUDING SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES

3.9.1 Definitions

3.9.1.1 *Deferred Approvals.* Approval of certain aspects of the construction may be deferred until the construction Contract has been awarded. To facilitate the design process, DSA grants Deferred Approval to the design and detailing of certain elements of the Project at the request of the Architect or Engineer of Record. Design elements that may be deferred may include, but are not limited to access floors, bleachers, elevator guide rails and related elevator systems, exterior wall systems - precast concrete, glass fiber reinforced concrete, etc., skylights, window wall systems, storefronts, stage rigging, and other systems as noted in the Contract Documents. (Also see Article 1.2.2.2 and 3.9.3)

3.9.1.2 *Shop Drawings.* The term “Shop Drawings” as used herein means Drawings, diagrams, equipment or product schedules, and other data, which are prepared by Contractor, Subcontractors, manufacturers, suppliers, or distributors illustrating some portion of the Work, and includes: illustrations; fabrication, erection, layout and setting Drawings; manufacturer’s standard Drawings; schedules; descriptive literature, instructions, catalogs, and brochures; performance and test data including charts; wiring and control diagrams; and all other Drawings and descriptive data pertaining to materials, equipment, piping, duct and conduit systems, and methods of construction as may be required to show that the materials, equipment, or systems and their position conform to the requirements of the Contract Documents.

3.9.1.3 *Manufactured* applies to standard units usually mass-produced, and “Fabricated” means items specifically assembled or made out of selected materials to meet individual design requirements. Shop Drawings shall: establish the actual detail of all manufactured or Fabricated items, indicate proper relation to adjoining work, amplify design details of mechanical and electrical systems and equipment in proper relation to physical spaces in the structure, and incorporate minor changes of design or construction to suit actual conditions.

3.9.1.4 *Submittals* is a term used interchangeably and sometimes refers to Shop Drawings, Product Data, and samples since all Subcontractor submissions are tracked in a Submittal Log and may include any of the noted items. However, generally, a Submittal is a manufacturer’s product information and Product Data including description, characteristics, size, physical characteristics, and requirements to prepare the jobsite for receiving of the particular manufactured item.

3.9.1.5 *Samples.* The term “samples” as used herein are physical examples furnished by Contractor to illustrate materials, equipment, or quality and includes natural materials, Fabricated items, equipment, devices, appliances, or parts thereof as called for in the Specifications, and any other samples as may be required by the Architect to determine whether the kind, quality, construction, finish, color, and other characteristics of the materials, etc., proposed by the Contractor conform to the required characteristics of the various parts of the Work. All Work shall be in accordance with the approved samples.

3.9.2 Shop Drawings.

3.9.2.1 *When Shop Drawings Are Required.* Shop Drawings are required for prefabricated components and for installation and coordination of these prefabricated components into the Project. In addition, Shop Drawings, are prepared to address the actual size and installation of components from various Subcontractors and provides an opportunity for the Contractor to coordinate and address conflicts between the subcontracting trades. In some cases, each Subcontractor or trade will provide Shop Drawings in a BIM format or other format as agreed by District.

3.9.2.2 *Purpose for Shop Drawings.* Shop Drawings are the Contractor's manufacturer, Subcontractor, supplier, vendor or the Contractor's detailed drawings showing particularized method for assembly, specifics to a manufacturer, manufacturer component installation requirements, specifics as to a manufactured item, alterations to a manufactured, a custom created item, or drawn version of more detailed information expanding on the Architect's design shown in the Contract Documents. The Shop Drawings address the appearance, performance, size, weight, characteristics and prescriptive descriptions associated with the Contractor or Contractor's Subcontractor's plan for installation or assembly based on the design in the Specifications and Contract Documents. The Shop Drawing often is more detailed than the information shown in the Contract Documents to give the Architect and Engineer the opportunity to review the fabricator's version of the product (along with particulars specific to that particular product), prior to fabrication. References to the Contract Documents, Construction Documents, Drawings, Plans, and Specifications assist the Architect and Engineer in their review of the Shop Drawings. Attachment of manufacturer's material Specifications, "catalog cut sheets," and other manufacturer's information may be provided to accompany Shop Drawings. Because Shop Drawings facilitate the Architect's and Engineer's approval of the system, they should be as clear and complete as possible so they may be reviewed by Architect or Engineer for the Project.

3.9.2.3 *Shop Drawing Requirements.* The Contractor shall obtain and submit with Shop Drawings all seismic and other calculations and all Product Data from equipment manufacturers. "Product Data" as used herein are illustrations, standard schedules, performance charts, instructions, brochures, diagrams, and other information furnished by the Contractor to illustrate a material, product, or system for some portion of the Work.

3.9.2.4 *Not a Reproduction of Architectural or Engineering Drawings.* The Shop Drawings are not a reproduction of the architectural or engineering Drawings. Instead, they must show more detail than the Construction Documents and details the fabrication and/or installation of the items to the manufacturer's production crew or Contractor's installation crews.

3.9.2.5 *Shop Drawings Engineering Requirements:* Some Shop Drawings require an engineer stamp to be affixed on the Drawings and calculations. In such cases, a current and valid engineering stamp shall be affixed by a California registered engineer. No out of State engineers shall stamp Shop Drawings. (See DSA IR A-18). In most cases, an engineer means California registered mechanical, structural, electrical or plumbing engineer. California Registered Civil Engineers will not be accepted for structural details unless specifically approved by DSA.

3.9.2.6 *DSA Approvals Required Prior to Work.* No work on a Shop Drawing that requires DSA approval may proceed until DSA approval is received. Contractor has provided DSA approval time and allowed adequate time for corrections in Contractor's Schedule as required pursuant to Article 8.

3.9.2.7 *Shop Drawing Identification.* All Shop Drawings must be properly identified with the name of the Project and dated, and accompanied by a letter of transmittal referring to the name of the Project and to the Specification section number for identification of each item clearly stating in narrative form, as well as “clouding” all qualifications, departures, or deviations from the Contract Documents. Shop Drawings, for each section of the Work shall be numbered consecutively and the numbering system shall be retained throughout all revisions. All Subcontractor submissions shall be made through the Contractor. Each drawing shall have a clear space for the stamps of Architect and Contractor.

3.9.3 Deferred Approvals

Deferred approvals shall be submitted and processed to ensure all DSA and other governmental approvals are secured so as to not delay the Project. There may be additional requirements for Deferred Approvals at Division 1 of the Specifications. All Deferred Approvals shall be prepared by Contractor or Contractor’s agent early enough so as to not delay the Project. Contractor is aware that Title 24 California Code of Regulations Section 4-317 have specific requirements for Deferred Approval as to governing agencies and as to the Architect and Engineer for the Project. As a result, any delay associated with the time for approval by applicable agencies or by the Architect or Architect’s consultants shall be Contractor’s. Contractor is required to comply with inclusion of Deferred Approvals in the Schedule as required under Article 3.9.6 *DSA Approvals Required Prior to Work*. No work on a Deferred Approval item may proceed on the components until DSA approval is received. Contractor has provided DSA approval time and allowed adequate time for any DSA revisions in Contractor’s Schedule as required pursuant to Article 8.

3.9.4 Submittals and Samples

3.9.4.1 *Information Required With Submittals:* Manufacturer, trade name, model or type number and quantities: Information provided must be of sufficient detail to allow Architect and Engineer to compare the submitted item with the specified products and acceptable products listed, in the Specifications and addenda.

3.9.4.2 *Description of Use and Performance Characteristics:* Information should be furnished describing the normal use and expected performance of the product. The Architect and Contractor review this information to confirm that the product is appropriate for the intended use.

3.9.4.3 *Size and Physical Characteristics:* The size and physical characteristics, such as adjustment capabilities, which is reviewed by both the Contractor and Architect. The Contractor has the most available information for comparing adjoining materials and equipment. The Contractor also needs to know the size and weight of the equipment for lifting and handling considerations.

3.9.4.4 *Finish Characteristics:* The Architect reviews the available finishes and selects the appropriate finish, if the finish was not previously specified in the documents. The Contractor should confirm that finish requirements in the Specifications are being met by the product.

3.9.4.5 *Contractor Responsible for Jobsite Dimensions:* Some material is custom-fabricated to job conditions, requiring dimensions from the jobsite. These jobsite dimensions are provided by the Contractor as part of the Contractor’s responsibilities for the Project and shall be provided prior to release of the product for manufacture. Contractor shall not rely on Architect or Engineers to provide jobsite dimensions.

3.9.4.6 *Full Range of Samples Required (When Specific Items Not Specified).*

Except in cases where the exact color and type of item is specified since the District is utilizing items Standardized or pre-selected by District, the full range of color, graining, texture, or other characteristics are anticipated for review in finished products, a sufficient number of samples of the specified materials shall be furnished by the Contractor to indicate the full range of characteristics which will be present in the finished products. Products delivered or erected without Submittal and approval without providing a full range of samples shall be subject to rejection. Except for range samples, and unless otherwise called for in the various sections of the Specifications or Specification Section 1, samples shall be submitted in duplicate.

3.9.4.7 *Labeling of Samples.* All samples shall be marked, tagged, or otherwise

properly identified with the name of the submitting party, the name of the Project, the purpose for which the samples are submitted and the date.

3.9.4.8 *Transmittal letter.* All samples shall be accompanied by a letter of

transmittal containing similar information, together with the Specification section number.

3.9.4.9 *Labels and Instructions.* All samples of materials shall be supplied with

the manufacturer's descriptive labels and application instructions. Each tag or sticker shall have clear space for the review stamps of Contractor and Architect.

3.9.4.10 *Architect's Review.* The Architect will review and, if appropriate, approve

submissions and will return them to the Contractor with the Architect's stamp and signature applied thereto, indicating the timing for review and appropriate action in compliance with the Architect's (or District's) standard procedures. In the cases where a CM is hired by the District, CM may be the party that receives and performance logging and initial processing of the Samples. CM may, in some cases, reject samples that are not in conformance with Contract requirements.

3.9.5 Submittal Submission Procedure

3.9.5.1 *Transmittal Letter and Other Requirements.* All Submittals must be

properly identified with the name of the Project and dated, and each lot submitted must be accompanied by a letter of transmittal referring to the name of the Project and to the Specification section number for identification of each item clearly stating in narrative form, as well as "clouding" on the submissions, all qualifications, departures, or deviations from the Contract Documents. Shop Drawings, for each section of the Work shall be numbered consecutively and the numbering system shall be retained throughout all revisions. All Subcontractor submissions shall be made through the Contractor. Each drawing shall have a clear space for the stamps of Architect and Contractor. Refer to Division 1. In the case where a CM is hired on the Project, the CM may be designated to receive the Submittals for the Project, log the Submittals, and in some cases reject Submittals that do not conform to Contract requirements. Submittal Procedures for further information.

3.9.5.2 *Copies Required.* Each Submittal shall include one (1) legible,

reproducible (if electronic is available, electronic copies shall also be provided) and five (5) legible prints of each drawing or schedule, table, cut sheet, etc., including fabrication, erection, layout and setting drawings, and such other drawings as required under the various sections of the Specifications, until final acceptance thereof is obtained. Subcontractor shall submit copies, in an amount as requested by the Contractor, of: (1) manufacturers' descriptive data for materials, equipment, and fixtures, including catalog sheets showing dimensions, performance, characteristics, and capacities; (2) wiring diagrams and controls;

(3) schedules; (4) all seismic calculations and other calculations; and (5) other pertinent information as required by the District or Architect. (See also Division 1)

3.9.5.3 *Corrections.* The Contractor shall make all corrections required by Architect, District or CM and shall resubmit, as required by Architect or CM, corrected copies of Shop Drawings or new samples until approved. Contractor shall direct specific attention in writing or on resubmitted Shop Drawings to revisions other than the corrections required by the Architect on previous submissions. Professional services required for more than one (1) re-review of required Submittals of Shop Drawings, Product Data, or samples are subject to charge to the Contractor pursuant to Article 4.5.

3.9.5.4 *Approval Prior to Commencement of Work.* No portion of the Work requiring a Shop Drawing or sample submission or other Submittal shall be commenced until the submission has been reviewed by Contractor and Architect (and CM, if applicable) and approved by Architect (and CM where applicable) unless specifically directed in writing by the Architect. All such portions of the Work shall be in accordance with approved Shop Drawings and samples.

3.9.5.5 *District's Property.* All Submittals, Shop Drawings, computer disks, BIM modeling information, clash checks, schedules, annotated Specifications, samples and other Submittals shall become the District's property upon receipt by the District or Architect.

3.9.6 Schedule Requirements for Submittals

Contractor shall obtain and shall submit all required Submittals (i.e. Shop Drawings, Deferred Approvals, Samples, etc.), in accordance with Contractor's "Schedule for Submission of Shop Drawings and Samples" as required in the scheduling portion of the General Conditions at Articles 8 and the Specifications (as long as the Specifications do not conflict with General Conditions. In the case of conflict, the conflicting provision shall be controlled by the General Conditions and the remaining Specifications sections shall be interpreted as if the general conditions language is inserted) with such promptness as to cause no delay in its own Work or in that of any other contractor or subcontractor but in no event later than thirty five (35) days after the Notice to Proceed is issued except in the specific cases noted as an exception under Article 3.7.2.1. No extensions of time will be granted to Contractor or any Subcontractor because of its failure to have Shop Drawings and samples submitted in accordance with Division 1 and the Schedule. Each Subcontractor shall submit all Shop Drawings, samples, and manufacturer's descriptive data for the review of the District, the Contractor, and the Architect through the Contractor.

3.9.6.1 *Consideration of Schedule.* Contractor has considered lead times, DSA or other agency governmental review times, Architect or Engineer review times, manufacturing seasons, and specific long lead procurement concerns for all submittals for the Project.

3.9.7 General Submittal Requirements

3.9.7.1 *Contractor Submittal Representations and Coordination.* By submitting Shop Drawings, Product Data, samples, etc., the Contractor represents that it has determined and verified all materials, field measurements, catalog numbers, related field construction criteria, and other relevant data in connection with each such submission, and that it has checked, verified, and coordinated the information contained within such Submittals with the requirements of the Work and of the Contract Documents, including the construction schedule.

3.9.7.2 *Contractor Coordination.* Contractor shall stamp, sign, and date each Submittal indicating its representation that the Submittal meets all of the requirements of the Contract Documents and evidence Contractor’s review through execution of the following stamp to be placed on each Shop Drawings:

“[Contractor] has reviewed and approved the field dimensions and the construction criteria, and has also made written notation regarding any information in the Shop Drawings and Submittals that does not conform to the Contract Documents. This Shop Drawing or Submittal has been coordinated with all other Shop Drawings and Submittals received to date by me as Contractor and this duty of coordination has not been delegated to Subcontractors, material suppliers, the Architect, or the Engineers on this Project.

Signature of Contractor and date

3.9.7.3 *No Deviation from Contract Documents.* The submission of the Shop Drawings, Product Data, samples, etc., shall not deviate from the *requirements* of the Contract Documents including detailing and design intent which is specifically outlined in Contract Documents except as specifically authorized by the Architect or through an accepted substitution pursuant to Article 3.10.4. All deviations from the Contract Documents shall be narratively described in a transmittal accompanying the Shop Drawings. However, Shop Drawings shall not be used as a means of requesting a substitution, the procedure for which is defined in Article 3.10.4, “Substitutions.”

3.9.7.4 *Contractor Responsibility for Shop Drawings Conformance to Contract Documents.* Review by District and Architect shall not relieve the Contractor or any Subcontractor from its responsibility in preparing and submitting proper Shop Drawings in accordance with the Contract Documents.

3.9.7.5 *Incomplete Submittals.* Any submission, which in Architect’s opinion is incomplete, contains errors, or has been checked superficially, will be returned not reviewed by the Architect for resubmission by the Contractor. Refer to Submittal Procedures of the Specifications for additional information. The Contractor shall be responsible for any related delays and shall not be the basis for any Claim.

3.9.7.6 *Shop Drawings and Submittals Shall Not Be Used as a Method to Make a Substitution.* Shop Drawings and Submittals shall not be used as a means of requesting a substitution or to make changes in the Contract Documents. If changes are made to the Contract Documents through the Shop Drawings, the Architect shall have the right to reject the Submittal. If the Architect does not note the deviation from the approved Plans and Specifications, the Contractor is still responsible for the change and the Architect or the District may require the Shop Drawings be revised to properly reflect the approved Contract Documents. The Architect or District may also require that the Contractor bear all costs under Article 4.5 and consequential damages associated with a CCD to revise Plans and Specifications to accommodate the deviation from approved Plans and Specifications.

3.9.7.7 Extent of Review. In reviewing Shop Drawings, the Architect will not verify dimensions and field conditions. The Architect will review and approve Shop Drawings, Product Data, samples, etc., for aesthetics and for conformance with the design concept of the Work and the information in the Contract Documents. The Architect’s review shall neither be construed as a complete check which relieves the Contractor, Subcontractor, manufacturer, fabricator, or supplier from responsibility for any

deficiency that may exist or from any departures or deviations from the requirements of the Contract Documents unless the Contractor has, in writing, called the Architect's attention to the deviations at the time of submission. The Architect's review shall not relieve the Contractor or Subcontractors from responsibility for errors of any sort in Shop Drawings or schedules, for proper fitting of the Work, coordination of the differing Subcontractor trades and Shop Drawings and Work which is not indicated on the Shop Drawings at the time of submission of Shop Drawings. Contractor and Subcontractors shall be solely responsible for any quantities which may be shown on the Submittals or Contract Documents.

3.10 SUBSTITUTIONS

3.10.1 Definition

A Substitution is a change in product, material, equipment, or method of construction from those required by the Construction Documents proposed by the Contractor. For this Project, a Substitution is subject to the filing of a Construction Substitution Request Form at the time of bid and meeting the requirements of this Article.

3.10.2 One Product Specified

Unless the Specifications state that no substitution is permitted, whenever the Contract Documents indicate any specific article, device, equipment, product, material, fixture, patented process, form, method, or type of construction or any specific name, make, trade name, or catalog number, with or without the words "or equal," such specification shall be deemed to be used for the purpose of facilitating description of the material, process, or article desired and shall be deemed to be followed by the words "or equal." Subject to the requirements of properly submitting a Substitution Request for as Addressed in Article 3.10.4, the Contractor may, unless otherwise stated, offer any material, process, article, etc., which shall be materially equal or better in every respect to that so indicated or specified ("Specified Item") and will completely accomplish the purpose of the Contract Documents.

3.10.3 Products Specified Which Are Commercially Unavailable

If the Contractor fails to make a request for substitutions for products, prior to the submission of its bid, and such products subsequently become commercially unavailable, the Contractor may request a substitution for such commercially unavailable item. The decision to grant this request is solely at the District's discretion. The written approval of the District, consistent with the procedure for Change Orders, shall be required for the use of a proposed substitute material. The District may condition its approval of the substitution upon the delivery to District of an extended warranty or other assurances of adequate performance of the substitution as well as an equitable deduction in the Contract Price should the substituted item cost less than the Specified Item. All risks of delay due the approval of a requested substitution by the DSA, or any other governmental agency having jurisdiction, shall be on the requesting party. All additional costs, DSA review costs, all procurement and construction delays, and all costs for review by the Architect or its consultants shall be the responsibility of the Contractor and will be deducted from Contractor's pay request.

3.10.4 Substitution Request Form

Requests for substitutions of products, materials, or processes in place of a Specified Item must be in writing on the District's Substitution Request Form ("Request Form") at the time of submitting bids to the District, except as provided for in Article 3.10.3.

The Request Form must be accompanied by evidence as to whether the proposed substitution:

- a. Is equal in quality/service/ability to the Specified Item;
- b. Will entail no changes in detail, construction, and scheduling of related work;
- c. Will be acceptable in consideration of the required design and artistic effect;
- d. Will provide no cost disadvantage to the District;
- e. Will require no excessive or more expensive maintenance, including adequacy and availability of replacement parts; and
- f. Will required no change of the construction schedule.

In completing the Request Form, the bidder must state, with respect to each requested substitution, whether the bidder will agree to provide the Specified Item in the event that the District denies the bidder's request for such requested substitution. In the event that the bidder has agreed in the Request Form to provide the Specified Item and the District denies the bidder's requested substitution for a Specified Item, the bidder shall provide the Specified Item without any additional cost or charge to the District.

After bids are opened, the apparent lowest bidder shall provide, within five (5) days of opening such bids, any and all Drawing, Specifications, samples, performance data, calculations, and other information, as may be required to assist the Architect, CM and the District in determining whether the proposed substitution is acceptable. The burden of establishing these facts shall be upon the bidder.

After the District's receipt of such evidence by the bidder, the District will make its final decision as to whether the bidder's request for substitution for any Specified Items will be granted. The decision as to whether a proposed request for substitution is equal to a Specified Item shall be at the sole discretion of the District. Any request for substitution that is granted by the District shall be documented and processed through a Change Order. Contractor must submit a complete Submittal of the requested substitution and a Shop Drawing showing configuration, dimensions, and other critical information associated with the substitution that meets the requirements of Article 3.9. The District may condition its approval of any substitution upon delivery to the District of an extended warranty or other assurances of adequate performance of the substitution. Any and all risks of delay due to approval by the DSA or any other governmental agency having jurisdiction shall be on the bidder.

If the Architect and District accept a proposed substitution, the Contractor agrees to pay for all DSA review costs, engineering and design services, including, without limitation, compensation to the Architect and affected engineers for their required time to process such substitution through the Division of the State Architect, if required, and to make all changes and adjustments in materials or the work of all trades directly or indirectly affected by the substituted item or items at no cost to the District.

3.10.5 Substitution Requests After Bid

The District, in its sole discretion, may accept a request for substitution by the Contractor or may request Contractor substitute a specified item. Any substitutions requested after bids are opened shall be subject to the same conditions and requirements set forth in Article 3.10.4 above. If any

substitutions, that in the District or Architect's determination, results in a credit to the District, the credit amount shall be agreed upon in writing, otherwise, the request for substitution shall be deemed denied.

3.11 INTEGRATION OF WORK

3.11.1 Scope

The Contractor shall be responsible for cutting, fitting, or patching to complete the Work and to make all parts fit together properly. Contractor shall be responsible for ensuring that all trades are coordinated and scheduled so as to ensure the timely and proper execution of the work. When modifying existing work or installing new Work adjacent to existing work, Contractor shall match, as closely as conditions of Site and materials will allow, the finishes, textures, and colors of the original work, refinishing existing work at no additional cost to District. All cost caused by defective or ill-timed work shall be borne by Contractor. Contractor shall be solely responsible for protecting existing work on adjacent properties and shall obtain all required permits for shoring and excavations near property lines.

3.11.2 Structural Members

New or existing structural members and elements, including reinforcing bars and seismic bracing, shall not be cut, bored, or drilled except by written authority of the Architect. Work done contrary to such authority is at the Contractor's risk and subject to replacement at its own expense without reimbursement under the Contract. Schedule delays resulting from Agency approvals for unauthorized work shall be the Contractor's responsibility.

3.11.3 Subsequent Removal

Permission to patch any areas or items of the Work shall not constitute a waiver of the District's or the Architect's right to require complete removal and replacement of the areas of items of the Work if, in the opinion of the Architect or the District, the patching does not satisfactorily restore quality and appearance of the Work or does not otherwise conform to the Contract Documents.

3.12 CLEANING UP

3.12.1 Contractor's Responsibility to Clean Up

Contractor at all times shall keep premises free from debris such as waste, dust, excess water, storm water runoffs, rubbish, and excess materials and equipment. Contractor shall not leave debris under, in, or about the premises, but shall promptly remove same from the premises and dispose of it in a lawful manner. Disposal receipts or dump tickets shall be furnished to the Architect within five (5) days of request.

Contractor shall remove rubbish and debris resulting from the Work on a daily basis. Contractor shall maintain the structures and Site in a clean and orderly condition at all times until acceptance of the Project by the District. Contractor shall keep its access driveways and adjacent streets, sidewalks, gutters and drains free of rubbish, debris and excess water by cleaning and removal each day. All concrete, sidewalks, and paths of travel shall be broom cleaned daily.

3.12.2 General Final Clean-Up

Upon completion of Work, Contractor shall employ experience workers or professional cleaners for final cleaning. Contractor shall clean each surface to the condition expected in a normal, commercial, building cleaning and maintenance program including, but not limited to, the performed of the following:

- a. Clean interior and exterior of buildings, including fixtures, equipment, walls, floors, ceilings, roofs, window sills and ledges, horizontal projections, and any areas where debris has collected, so surfaces are free from foreign material or discoloration;
- b. Clean the Project site. The grounds should be cleared of any Contractor equipment, raked clean of debris and trash removed. Sweep paved areas broom clean;
- c. Repair or replace any damaged materials. Replace any chipped or broken glass;
- d. Remove any and all stains;
- e. Remove labels that aren't permanent labels;
- f. Clean and polish all glass, plumbing fixtures, equipment, finish hardware and similar finish surfaces. Remove any glazing compounds;
- g. Remove temporary utilities, fencing, barricades, planking, sanitary facilities and similar temporary facilities from Site;
- h. Remove temporary film that remains on any hardware, doors or other surfaces; and
- i. Seal the bottom and tops of all doors.

3.12.3 Special Clean-Up.

In addition to the general cleaning, the following special cleaning shall be done at the completion of the Work in accordance with the Specifications including, but not limited to:

- a. Remove putty stains from glazing, then wash and polish glazing;
- b. Remove marks, stains, fingerprints and other soil or dirt from painted, stained or decorated work;
- c. Remove temporary protection and clean and polish floors and waxed surfaces;
- d. Clean and polish hardware and plumbing trim; remove stains, dust, dirt, plaster and paint;
- e. Wipe surfaces of mechanical and electrical equipment;
- f. Remove spots, soil, plaster and paint from tile work, and wash tile;

- g. Clean all fixtures and equipment, remove excess lubrication, clean light fixtures and lamps, polish metal surfaces;
- h. Vacuum-clean carpeted surfaces; and
- i. Remove debris from roofs, down spout and drainage system.

3.12.4 Failure to Cleanup

If the Contractor fails to clean up as provided in the Contract Documents, the District may do so, and the cost thereof shall be the responsibility of the Contractor pursuant to Article 2.2 and seek a Deductive Change Order.

3.13 ACCESS TO WORK

The Contractor shall provide the District, the Architect, Engineers and the Inspector of Record, access to the Work in preparation and progress wherever located. Contractor shall provide safe and proper facilities for such access so that District's representatives may perform their functions.

CONTRACTOR IS AWARE THAT THIS CONTRACT MAY BE SPLIT INTO SEVERAL PHASES AS ADDRESSED IN ARTICLE 6.

3.13.1 Special Inspection, Inspections or Tests Out of State, Out of Country or Remote from Project

If Contractor has a Subcontractor or supplier that requires in plant or special inspections or inspections or tests that are out of the country, out of the state, or a distance of more than 200 miles from the Project site, the Special Inspector or Inspector shall be provided access so the special inspection or inspection may occur in the remote location. In some cases, the DSA Inspector may also require access in addition to Special Inspectors and individuals performing tests. Inspections/tests shall occur during normal work hours. (See also Article 4.3.6)

3.14 ROYALTIES AND PATENTS

3.14.1 Payment and Indemnity for Infringement

Contractor shall hold and save the District and its officers, agents, and employees, the Construction Manager, the Architect, and the Architect's consultants harmless from liability of any nature or kind, including cost and expense, for or on account of any patented or unpatented invention, process, article, or appliance manufactured or used in the performance of the Contract, including its use by the District, unless otherwise specifically provided in the Contract Documents, and unless such liability arises from the sole negligence, or active negligence, or willful misconduct of the District, the Architect, or the Architect's consultants.

3.14.2 Review

The review by the Architect of any method of construction, invention, appliance, process, article, device, or material of any kind shall be for its adequacy for the Work and shall not be an approval for the use by the Contractor in violation of any patent or other rights of any person or entity.

3.15 INDEMNIFICATION

3.15.1 Contractor

See Agreement Form. Contractor shall ensure that its contract with each of its Subcontractors contains provisions requiring the Subcontractors to defend, indemnify and hold harmless the District, Architect, Inspector, the State of California to a minimum level as set forth in this Article and consistent with the indemnity and hold harmless language in the Agreement Form.

The Contractor's and Subcontractors' obligation to defend, indemnify and hold harmless the District, Architect, Inspector, the State of California and their officers, employees, agents and independent contractors hereunder shall include, without limitation, any and all claims, damages, and costs for the following: (1) any damages or injury to or death of any person, and damage or injury to, loss (including theft), or loss of use of, any property; (2) breach of any warranty, express or implied; (3) failure of the Contractor or Subcontractors to comply with any applicable governmental law, rule, regulation, or other requirement; (4) products installed in or used in connection with the Work; and (5) any claims of violation of the Americans with Disabilities Act ("ADA")

3.16 SUBMISSION OF DAILY REPORTS

3.16.1 General

By 10:00 a.m. on the following business day, the Contractor shall submit a Daily Report to the Inspector and copy the Architect for the previous day's Work. If there is a Construction Manager, the original Daily Report is to be provided to the Construction Manager and copies sent to the Architect and the Inspector. Daily Reports shall be prepared on forms approved by the District, together with applicable delivery tickets, listing all labor, materials, and equipment involved for that day. The District reserves the right to note inconsistencies or inaccuracies in the Daily Reports. In such cases, pertinent notes shall be entered by each party to explain points which cannot be resolved that day. Each party shall retain a signed copy of the report. Daily Reports by Subcontractors or others shall be submitted through the Contractor.

3.16.2 Labor

The Daily Report shall show names of workers, classifications, hours worked and hourly rate. The locations where work occurred shall also be identified in the Daily Report. Project superintendent expenses are not allowed.

3.16.3 Materials

The Daily Report required shall describe and list quantities of materials used and unit costs.

3.16.4 Equipment

The Daily Report required shall show type of equipment, size, identification number, and hours of operation, including loading and transportation, if applicable, and hourly/daily cost. Move-on and move-off fees shall be noted.

3.16.5 Other Services and Expenditures

Other services and expenditures shall be described in the Daily Report in detail as the District requires.

3.16.6 Failure to Submit Daily Report

If Contractor does not submit its Daily Report by 10 am the next business day, the Inspector of Record shall prepare a Daily Report addressing each of the above items. The cost for the Inspector's services to prepare the Daily Report shall be addressed through a Deductive Change Order under Article 7.7.4.

3.17 AS-BUILT DRAWINGS AND ANNOTATED SPECIFICATIONS

Throughout the duration of the Project, Contractor shall maintain on a current basis an accurate and complete set of As-Built Drawings (and Annotated Specifications) clearly showing all changes, revisions to Specifications and substitutions during construction, including, without limitation, field changes and the final location of all electrical and mechanical equipment, utility lines, ducts, outlets, structural members, walls, partitions, and other significant features. In case a Specification allows Contractor to elect one of several brands, makes, or types of material or equipment, the annotations shall show which of the allowable items the Contractor has furnished. The Contractor will update the As-Built Drawings and Annotated Specifications as often as necessary to keep them current, but no less often than weekly.

Contractor shall update As-Built Drawings with complete information on an area of Work at or near the time when the Work is being performed and prior to any DSA 152 sign off and prior to any Work being covered.

The As-Built Drawings and Annotated Specifications shall be kept at the Site and available for review and inspection by the District and the Architect. Failure to maintain and update the As-Built Drawings is a basis to withhold Progress Payments pursuant to Article 9.6.

3.17.1 Upon Beneficial Occupancy

Contractor shall obtain and pay for reproducible Plans upon Beneficial Occupancy. Contractor shall deliver Plans to District Representative (Construction Manager if one is hired for the Project).

3.17.2 As-Built at Completion of Work

Upon completion of the Work and prior to and as a condition precedent to Application for Retention Payment, the Contractor will provide one neatly prepared and complete set of As-Built Drawings and Annotated Specifications to the District. Contractor shall certify the As-Built as a complete and accurate reflection of the actual construction conditions of the Work by affixing a stamp indicating the Drawings are As-Built and certifying accuracy on the final set of As-Built. Failure to deliver a complete As-Built set of Drawings may result in significant withholdings to ensure Work is properly documented. (See Article 9.9.2)

3.17.3 Log of Control and Survey Documentation

Contractor shall complete and maintain an accurate log or all control and survey documentation for the Project as the Work progresses. All reference and control points shall be recorded on the As-Built Drawings. The basis of elevations shall be one of the established benchmarks that must be maintained on the As-Built.

3.17.4 Record Coordinates for Key Items

Contractor shall record, by coordinates, all utilities on-site with top of pipe elevations, major grade and alignment changes, rim, grate or top of curb and flow line elevations of all drainage structures and sewer manholes. Contractor shall update record information at or near the time when work is occurring in an area and prior to DSA 152 sign off on any category of Work and prior to covering the Work.

3.17.5 BIM As-Built Drawings

If BIM is utilized for the Project, then an electronic version of such As-Built Drawings and Annotated Specifications will be delivered to District (in an acceptable format to District).

3.18 EQUIPMENT MANUALS

Contractor shall obtain and furnish three (3) complete sets of manuals containing the manufacturers' instructions for maintenance and operation of each item of equipment and apparatus furnished under the Contract Documents and any additional data specifically requested under the various sections of the Specifications for each division of the Work. The manuals shall be arranged in logical, sequential order, labeled, indexed, and placed in three-ring binders. At the completion of its Work, the Contractor shall certify, by endorsement thereon, that each of the manuals is complete, accurate, and covers all of its Work. Prior to submittal of Contractor's Application for Retention Payment, and as a further condition to its approval by the Architect, each Subcontractor shall deliver the manuals, arranged in logical, sequential order, labeled, indexed, endorsed, and placed in three-ring binders, to the Contractor, who shall assemble these manuals for all divisions of the Work, review them for completeness, and submit them to the District through the Architect.

3.19 DIR REGISTRATION

Strict compliance with all DIR registration requirements in accordance with Labor Code sections 1725.5 and 1771.1 is a material obligation of the Contractor and all of its subcontractors (of any tier) under the Contract Documents. The foregoing includes, without limitation, compliance with DIR registration requirements at all times during performance of the Work by the Contractor and all of its subcontractors of any tier. The failure of the Contractor and all subcontractors of any tier to be properly registered with DIR at all times during performance of the Work is a material breach of the Contract and subject to termination for cause.

An affirmative and ongoing obligation of the Contractor under the Contract Documents is the verification that all subcontractors of any tier are at all times during performance of the Work are in full

and strict compliance with the DIR registration requirements. The Contractor shall not permit or allow any subcontractor of any tier to perform any Work without the Contractor's verification that all subcontractors are in full and strict compliance with the DIR registration requirements. Any subcontractors of any tier not properly registered with DIR shall be substituted in accordance with Labor Code section 1771.1. Contractor or its subcontractors of any tier shall not be entitled to any additional costs or time arising from or in any way related to compliance with the DIR registration requirements.

ARTICLE 4
ADMINISTRATION OF THE CONTRACT AND CLAIMS

4.1 ARCHITECT

4.1.1 Replacement of Architect

In the case of the termination of the Architect, the District may appoint an Architect or another construction professional or may perform such functions with its own licensed professional personnel. The status of the replacement Architect under the Contract Documents shall be the same as that of the former Architect.

4.2 ARCHITECT'S ADMINISTRATION OF THE CONTRACT

4.2.1 Status

Pursuant to Titles 2 of the California Code of Regulations and as required pursuant to the Field Act, Education Code 17280 et seq., the Architect will provide administration of the Contract Documents and the Work, and will be the District's representative during construction, as well as during the one (1) year period following the commencement of any warranties. The Architect will have authority to act on behalf of the District only to the extent provided in the Contract Documents.

4.2.2 Site Visits

The Architect will visit the Site at intervals necessary in the judgment of the Architect to become generally familiar with the progress and quality of the Work and to determine in general if the Work is being performed in accordance with the Contract Documents and as otherwise required by DSA.

4.2.3 Limitations of Construction Responsibility

The Architect, District and CM shall not have control over, charge of, or be responsible for construction means, methods, techniques, schedules, sequences or procedures, fabrication, procurement, shipment, delivery, receipt, installation, or for safety precautions and programs in connection with the Work, since these are solely the Contractor's responsibility under the Contract Documents. The Architect, District and CM shall not be responsible for the Contractor's, Subcontractors', material or equipment suppliers', or any other person's schedules or failure to carry out the Work in accordance with the Contract Documents. The Architect, District and CM shall not have control over or charge of acts or omissions of the Contractor, Subcontractors, their agents or employees, or any other persons or entities performing or supplying portions of the Work. The Contractor shall not be relieved of obligations to perform the Work in accordance with the Contract Documents either by activities or duties of the Architect, District or CM in the Architect, District or CM's administration of the Contract Documents, or by tests, inspections, or approvals required or performed by persons other than the Contractor.

4.2.4 Communications Facilitating Contract Administration

Except where a CM is on the Project, or as otherwise provided in the Contract Documents or when direct communications are warranted by special circumstances, the District and the Contractor shall communicate through the Architect. In the cases where a CM is hired for the Project, all communication shall be through the CM (unless otherwise directed) with copies to the District, Architect

and Inspector. Where direct communication is necessary between the District and the Contractor, the District's communication shall be through the District's authorized designated person. The Architect and CM shall be promptly informed, and shall receive copies of all written communications. Contractor shall not rely upon any communications from the District that is not from the District's Representative. Communications by and with the Architect's consultants shall be through the Architect. Communications by and with Subcontractors and material or equipment suppliers shall be through the Contractor. In the case where a CM is hired for the Project, the CM shall be the main point of contact for communication of information. Copies should be sent to the Architect, District Representative and Inspector.

4.2.5 Payment Applications

The Architect will review and make recommendations to the District regarding the amounts due the Contractor on the Certificates for Payment pursuant to Article 9.3.4 and subject to the Inspector's review, (CM review, if applicable) and Architect's observation. This review of Payment Applications is sometimes called a "Pencil Draft." Return of a Pencil Draft shall constitute the District's dispute of the Payment Application that has been submitted. Contractor shall promptly respond to Pencil Drafts or Contractor's Payment Applications may be delayed. Contractor's failure to promptly respond to a Pencil Draft shall qualify as a delay in the Prompt Payment of a Request for Payment or Request for Retention.

4.2.6 Rejection of Work

In addition to the rights, duties, and obligations of the Inspector under this Article, the Architect may recommend to the District that the District reject Work which does not conform to the Contract Documents. Whenever the Architect considers it necessary or advisable to achieve the intent of the Contract Documents, the Architect (and/or CM) may recommend to the District that the District require additional inspection or testing of the Work in accordance with Article 13.5, whether or not such Work is Fabricated, installed, or completed. District may have Non-conforming Work removed and replaced pursuant to Article 9.7. However, neither this authority of the Architect (or CM) nor a decision made in good faith either to exercise or not to exercise such authority shall give rise to a duty or responsibility of the Architect (or CM) to the Contractor, Subcontractors, material and equipment suppliers, their agents or employees, or other persons performing portions of the Work.

Contractor shall, without charge, replace or correct Work found by the District to not be in conformance to Contract requirements. Contractor shall promptly segregate and remove rejected materials from the Project site.

This section does not address a Notice of Non-Compliance and the remedies associated with a Notice of Non-Compliance which are addressed at Article 7.1.2

4.2.7 Warranties upon Completion

The Architect (and where applicable CM), in conjunction with the Inspector will conduct field reviews of the Work to determine the date of Substantial Completion and of Final Completion, shall receive and forward to the District for the District's review written warranties and related documents required by the Contract and assembled by the Contractor, and will issue a final Certificate for Payment when the Architect believes the Work has been completed in compliance with the requirements of the Contract Documents (See Article 9.11 for Close-Out). The handling by the Architect (or where applicable CM) of such warranties, maintenance manuals, or similar documents shall not diminish or transfer to the

Architect any responsibilities or liabilities required by the Contract Documents of the Contractor or other entities, parties, or persons performing or supplying the Work.

On some Projects, the District will take a phased occupancy of the Project. In those cases, the District may commence the running of warranties on the buildings, or phases that are accepted after Punch List is completed and the District has accepted Completion of the separate phase. A separate Notice of Completion may be filed for the separate building or phase of work and warranties shall commence for the separate phase only to the extent that warranties do not require coordination or connection to other buildings or other parts of the site and only if the warranted item is completed to its entirety in the segregated building or phased area.

If written warranties are not provided at the time the Punch List is nearing completion, Architect (with recommendations from the CM and Inspector) shall determine the dollar value of the warranties and shall make recommendation for withholdings necessary to effectuate the transfer of such warranties to the District for future use as part of the Punch List for the Project pursuant to Article 9.6.

Warranties are not commenced through utilizing of equipment for testing and operation as necessary to acclimate buildings or where necessary to test systems.

4.2.8 Interpretation

The Architect will interpret and decide matters concerning performance and requirements of the Contract Documents. Architect shall make clarifications as necessary to interpret the Contract Documents.

4.3 PROJECT INSPECTOR

4.3.1 General

One or more Project Inspectors employed by the District and approved by the Division of the State Architect will be assigned to the Work in accordance with the requirements of Title 24 of the California Code of Regulations. The Inspector(s) duties are as specifically defined in Title 24 Section 4-333 and 4-342 and in DSA IR A-8.

4.3.2 Inspector's Duties and DSA Noted Timelines for Inspection

All Work shall be under the observation of the Inspector. Contractor shall establish a protocol for requesting inspection with Inspector so as to not delay the Work and provide adequate time for the Inspector to perform inspection. If such a protocol is not established ahead of time, Inspector may utilize the time criteria set by Title 24 of 48 hours in advance of submitting form DSA 156 for each new area. The Inspector shall have free access to any or all parts of the Work at any time. The Contractor shall furnish the Inspector such information as may be necessary to keep the Inspector fully informed regarding progress and manner of Work and character of materials. Such observations shall not, in any way, relieve the Contractor from responsibility for full compliance with all terms and conditions of the Contract, or be construed to lessen to any degree the Contractor's responsibility for providing efficient and capable superintendence. The Inspector is not authorized to make changes in the Drawings or Specifications nor shall the Inspector's approval of the Work and methods relieve the Contractor of responsibility for the correction of subsequently discovered defects, or from its obligation to comply with the Contract Documents.

Inspector shall electronically post DSA required documents on the DSA electronic posting website. It is the Contractor's responsibility to determine the status of posting and determine if all the criteria for sign off of a category of Work on the Project Inspection Card (Form DSA 152) as defined more thoroughly in the most current version of the DSA 152 manual posted on the DSA website.

Inspector may collaborate with Contractor about approval of areas that may be constructed and approved incrementally under the DSA 152 card pursuant to the guidelines of PR-13 at Article 1.17. Inspector shall work with Contractor to present incremental approval proposals to DSA.

4.3.3 Inspector's Authority to Reject or Stop Work

The Inspector shall have the authority to reject Work whenever provisions of the Contract Documents are not being complied with, and Contractor shall instruct its Subcontractors and employees accordingly. In addition, the Inspector may stop any Work that poses a probable risk of harm to persons or property. The Contractor shall instruct its employees, Subcontractors, material and equipment suppliers, etc., accordingly. The absence of any Stop Work Order or rejection of any portion of the Work shall not relieve the Contractor from any of its obligations pursuant to the Contract Documents.

4.3.4 Inspector's Facilities

Within seven (7) days after the notice to proceed, the Contractor shall provide the Inspector with the temporary facilities as required. More specific requirements for the Inspector facilities may be further described under Division 1 of the Specifications.

4.3.5 Testing Times

The District will provide inspection and testing at its cost during the normal eight (8) hour day Monday through Friday (except holidays). Work by the Contractor outside of the normal eight (8) hour day shall constitute an authorization from the Contractor to the District to provide inspection and testing as required outside of the normal eight (8) hour day. Contractor shall provide adequate time for inspections so as to not delay the Work. An advanced timing protocol may be established pursuant to Article 4.3.2. If the Contractor is behind Schedule then it is incumbent on the Contractor to provide advance forecast through look ahead of the anticipated date for inspection so the Inspector may plan their activities so as to not delay the Project. Contractor shall reimburse District for any additional costs associated with inspection and testing (including re-inspection and re-testing) outside the normal eight-hour day and for any retests caused by the Contractor.

It is the Contractor's responsibility to request special inspections with sufficient time so all testing may be timely completed and posted so work may proceed and the Inspector's signature is attached to the Project Inspection Card (Form 152). Specifically, timely request for special inspection under the DSA Verified Report Forms 291 (laboratory), DSA Verified Report Form 292 (Special Inspection), and DSA Verified Report 293 (geotechnical) since DSA requirements under PR 13-01 specifically gives the Special Inspections 14 days to post to the DSA website. Failure to plan and pay (if applicable) for quicker delivery of Special Inspections may be counted as Float, but is not considered Governmental Delay Float under Article 8.1.4.

4.3.6 Special Inspections, Inspections or Tests Out of State, Out of Country or Remote from Project

If Contractor has a Subcontractor or supplier that requires in plant or special inspections, inspections or tests that are out of the country, out of the state or a distance of more than 200 miles from the Project Site, the District shall provide the Special Inspector or individual performing tests time for inspection and testing during normal work hours. Contractor, however, is responsible for the cost of travel, housing, food, out of area premiums that may be in the Inspector/Testing Agreement with District, or other expenses necessary to ensure proper inspection, special inspection or testing is provided by a DSA Certified Inspector, Special Inspector, or individual performing tests. In some cases all three (DSA Inspector, Special Inspector, and Tester) may be required. In addition, if the DSA Certified Inspector, Special Inspector, or individual performing test has contractual travel clauses or special rates for out of town inspection, Contractor is responsible for all costs associated with the contractual travel costs in addition to all other costs. Arrangements for inspection and/or testing shall be made far enough in advance so as to not delay the Work.

4.4 STOP WORK ORDER

DSA may issue a Stop Work Order, or an Order to Comply, when either (1) the Work proceeds without DSA approval; (2) the Work proceeds without a DSA Inspector of Record, or (3) where DSA determines that the Work is not being performed in accordance with applicable rules and regulations, and would compromise the structural integrity of the Project or would endanger lives. If a Stop Work Order is issued, the Work in the affected area shall cease until DSA withdraws the Stop Work Order. Pursuant to Education Code section 17307.5(b), the District shall not be held liable in any action filed against the District for any delays caused by compliance with the Stop Work Order, except to the extent that an error or omission by the District is the basis for the issuance of the Stop Work Order.

Examples of Stop Work Orders that may be issued by DSA include DSA Bulletin 07-04 and Policy 10-01, the installation of automatic fire sprinkler systems without approved Plans, covering Work that has not been approved by Inspector on DSA Project Inspection Card (Form 152).

4.5 RESPONSIBILITY FOR ADDITIONAL CHARGES INCURRED BY THE DISTRICT FOR PROFESSIONAL SERVICES

If at any time prior to the completion of the requirements under the Contract Documents, the District is required to provide or secure additional professional services (including CM, Inspection, Architect, Engineering and Special Consultant Services) for any reason by any act of the Contractor, the District may seek a Deductive Change Order for any costs incurred for any such additional services, which costs shall be deducted from the next progress payment. A Deductive Change Order shall be independent from any other District remedies and shall not be considered a waiver of any District rights or remedies. If payments then or thereafter due to the Contractor are not sufficient to cover such amounts, the Contractor shall pay the difference to the District. Additional services shall include, but shall not be limited to, the following:

- a. Services made necessary by the default of the Contractor (Article 14 or Article 2.2).
- b. Services made necessary due to the defects or deficiencies in the Work of the Contractor (Article 2.2 and Article 9.6).
- c. Spurious or frivolous RFI's issued that do not conform to the requirements of Article 7.4. Issuance of the same RFI after receiving an answer from the Architect or Engineer

- d. Review of Schedules that are provided by Contractor that do not Conform with the Requirements of Article 8.
- e. Preparation of a CCD or ICD to correct a Contractor Deficiency, or Contractor Caused Notice of Non-Compliance (See Article 7.3).
- f. Review of Incomplete Shop Drawings or Submittals, including the submission of Piecemeal Shop Drawings or Submittals unless piecemeal Submittals are specifically agreed upon by District (See Article 3.9)
- g. Services required by failure of the Contractor to perform according to any provision of the Contract Documents.
- h. Services in connection with evaluating substitutions of products, materials, equipment, Subcontractors' proposed by the Contractor, and making subsequent revisions to Drawings, Specifications, obtaining DSA approvals, DSA costs for review of CCD's, other governmental agency review costs, and providing other documentation required (except for the situation where the specified item is no longer manufactured or available). (See Article 3.10)
- i. Services for evaluating and processing Claims or Disputes submitted by the Contractor in connection with the Work outside the established Change Order process.
- j. Services required by the failure of the Contractor to prosecute the Work in a timely manner in compliance within the specified time of completion.
- k. Services in conjunction with the testing, adjusting, balancing and start-up of equipment other than the normal amount customarily associated for the type of Work involved.
- l. Services in conjunction with more than one (1) re-review of Submittals of Shop Drawings, Product Data, samples, RFI's etc.

4.6 DISPUTES AND CLAIMS

4.6.1 Decision of Architect

“Disputes” or “Claims” as defined in Article 4.6.9.1 between District and Contractor involving money or time, including those alleging an error or omission by the Architect shall be referred initially to the Architect for action as provided in Article 4.6.2 within ten (10) days after Contractor’s Article 7 request for Change is denied. If there is a CM, the CM shall receive the Dispute and may review and also assemble opinions and documents to assist the Architect. A decision by the Architect, as provided in Article 4.6.5, shall be required as a condition precedent to proceeding with remedies set forth in Article 4.6.9 as to all such matters arising prior to the date Retention Payment Application is due, regardless of whether such matters relate to execution and progress of the Work, or the extent to which the Work has reached Final Completion.

The condition precedent of an Architect decision shall be waived if: (1) the position of Architect is vacant; (2) the Architect has failed to take action required under Article 4.6.5 within the time

periods required therein; or (3) the Dispute or Claim relates to a stop notice claim not arising from any extra Change Order or Immediate Change Directive for which approval has not been provided.

4.6.2 Architect's Review

The Architect (and CM) will review the Dispute and take one or more of the following preliminary actions upon receipt of a Dispute: (1) request additional supporting data from the claimant; (2) submit a schedule to the parties indicating when the Architect expects to take action; (3) reject the Dispute in whole or in part, stating reasons for rejection; (4) recommend approval of the Dispute; or (5) suggest a compromise. The Architect may also, but is not obligated to, notify the Surety, if any, of the nature and amount of the Dispute.

4.6.2.1 *Architectural Immunity.* Architect review of Disputes and Claims shall be impartial and meant to resolve Disputes and Claims. Pursuant to the case, Huber, Hunt & Nichols, Inc. v. Moore (1977) 67 Cal.App.3d 278, the Architect is provided a quasi-judicial immunity for interpreting and deciding Disputes and Claims between the District and Contractor.

4.6.3 Documentation if Resolved

If a Dispute has been resolved, the Architect (and/or CM) will prepare a Change Order or obtain appropriate documentation to document the terms for Board approval.

4.6.4 Actions if Not Resolved

If a Dispute has not been resolved and all documentation requested pursuant to Article 4.6.2 has been provided, the Contractor shall, within ten (10) days after the Architect's initial response, assemble all the documents involved in the Dispute including copies of all back-up documentation of costs and the basis for the Dispute and take one or more of the following actions: (1) modify the initial Dispute; (2) notify the Architect that the initial Dispute stands; or (3) supplement with additional supporting data and re-submit to the Architect under Article 4.6.2.

4.6.5 Architect's Written Decision

If a Dispute has not been resolved after consideration of the foregoing and of other evidence presented by the parties or requested by the Architect, the Architect (or Architect through CM) shall provide a written decision twenty (20) days after compliance with Article 4.6.4. Upon expiration of such time period, the Architect (or Architect through CM) will render to the parties its written decision relative to the Dispute, including any change in the Contract Sum or Contract Time or both. The Architect may also request reasonable additional time to complete Architect's written decision.

If the resolution of the Dispute by the Architect is not satisfactory to the Contractor and copies of all back-up documentation of costs and the basis for the Dispute is fully articulated in a package of material that is complete, the Contractor may then submit a Claim to the District under Article 4.6.9.

4.6.6 Continuing Contract Performance

Pending final resolution of a Dispute or Claim, including, negotiation, mediation, arbitration, or litigation, the Contractor shall proceed diligently with performance of the Contract, and the District shall continue to make any undisputed payments in accordance with the Contract (less any

withholdings or offsets). If the Claim is not resolved, Contractor agrees it will neither rescind the Contract nor stop the progress of the work, but Contractor's sole remedy shall be to submit such controversy to determination by a court of competent jurisdiction in the county where the Project is located, after the Project has been completed, and not before.

4.6.6.1 *District's Option to Submit Individual Disputes to Arbitration during Claims and Disputes Process.* At the District's sole option, in order to more efficiently resolve Claims during the Project and prior to the completion of the Claims Process, pursuant to Government Code section 9201, the District may submit individual Disputes or Claims for binding arbitration and Contractor agrees to the resolution of for each individual Dispute or Claim by an Arbitrator, including resolution of time and delays. If binding arbitration is utilized for individual Disputes or Claims, such resolution is full and final as to that particular Dispute or Claim. THIS INDIVIDUAL DISPUTE ARBITRATION PROCESS IS NOT AN ARBITRATION CLAUSE AND SHALL NOT BE CONSTRUED AS AN AGREEMENT TO ARBITRATE. THIS INDIVIDUAL DISPUTES ARBITRATION PROCESS IS FOR THE SOLE PURPOSE OF STREAMLINING AND RESOLVING DISPUTES OR CLAIMS DURING CONSTRUCTION AND SHALL BE REQUESTED ON SPECIFIC INDIVIDUAL ITEMS BY THE DISTRICT PRIOR TO RETENTION PAYMENT (EVEN IF THERE ARE DEDUCTIONS MADE FROM RETENTION PAYMENT) WHICH REPRESENTS THE FINAL COMPLETION OF THE PROJECT.

- a. If there is no Retention remaining on the Project, individual Disputes initiated prior to Project Final Completion shall continue until a final disposition of the Arbitration or resolution of the individual Claim or Dispute.
- b. No Tolling. The Arbitration process shall not toll the Disputes or Claims process under Article 4.6 or the requirement to submit Claims to Court under Article 4.6.9.5.

4.6.7 Claims for Concealed Trenches or Excavations Greater Than Four Feet Below the Surface

When any excavation or trenching extends greater than four feet below the surface or if any condition involving hazardous substances are encountered:

- a. Immediately upon discovery, The Contractor shall promptly, and before the following conditions are disturbed, notify the District, by telephone and in writing, of the condition except:
 1. If such condition is a hazardous waste condition, Contractor's bid includes removal or disposal of hazardous substances. Material that the Contractor believes may be a material that is hazardous waste, as defined in Section 25117 of the Health and Safety Code, is required to be removed to a Class I, Class II, or Class III disposal site in accordance with the provisions of existing law. In such case, the notice bulletin procedures of Article 7 apply.
 2. Subsurface or latent physical conditions at the Site differing from those indicated in the Drawings, Specifications, Soils Report, and from Contractor's own investigation under Article 2.1.

3. Unknown physical conditions at the Site of any unusual nature, different materially from those ordinarily encountered and generally recognized as inherent in Work of the character provided for in the Contract.
- b. The District shall investigate the conditions, and if District finds that the conditions do materially so differ, do involve hazardous waste, and cause a decrease or increase in the Contractor's cost of, or the time required for, performance of any part of the Work shall issue a Change Order or Construction Change Document under the procedures described in the Contract.
- c. In the event that a dispute arises between the public entity or District and the Contractor whether the conditions materially differ, involve hazardous waste, or cause a decrease or increase in the Contractor's cost of, or time required for, performance of any part of the Work, the Contractor shall not be excused from any scheduled Completion Date provided for by the Contract, but shall proceed with all Work to be performed under the Contract. The Contractor shall retain any and all rights provided either by Contract or by law which pertain to the resolution of disputes and protests between the contracting parties.

4.6.8 Dispute Concerning Extension of Time.

If Contractor and District cannot agree upon an extension of time, whether compensable or not, then Contractor must have first completed the procedures set forth in Article 8.4. Upon completion of the procedures set forth under Article 8.4, Contractor must then comply with the requirements in this Article including those set forth under Article 4.6.9.

4.6.9 Claims Procedures

Pursuant to the remedies under Public Contract Code section 9201 and Government Code section 930.2, Contractor, through execution of this Agreement, also agrees to comply with the Claims requirements of Article 4.6 to quickly and efficiently resolve Disputes and Claims. Further, to provide a level of accuracy to the records submitted, the District shall have the right to audit books and records pursuant to Article 13.11 based on the actual costs incurred and to reduce the uncertainty in resolving Disputes and Claims with limited information.

4.6.9.1 *Procedure Applicable to All Claims*

- a. Definition of Claim: A "Claim" is where a Dispute between the parties rises to the level where backup documentation is assembled and provided to the District as a separate demand by the Contractor for: (1) a time extension, including, without limitation, for relief from damages or penalties for delay assessed by the District under the Contract; (2) payment by the District of money or damages arising from Work done by, or on behalf of, the Contractor pursuant to the Contract and payment for which is not otherwise expressly provided for or to which the Contractor is not otherwise entitled to; or (3) an amount of payment disputed by the District. If the Claim is for damages associated with a DSA Stop Work Order, the Contractor shall not be entitled to a request for Compensation, but shall be entitled to utilize Governmental Delay Float (See Article 8.1.4.1.)

- b. Filing Claim Is Not Basis to Discontinue Work: The Contractor shall promptly comply with Work under the Contract or Work requested by the District even though a written Claim has been filed. The Contractor and the District shall make good faith efforts to resolve any and all Claims that may arise during the performance of the Work covered by this Contract.

- c. Claim Notification: The Contractor shall within seven (7) calendar days after the written decision of the Architect, or if the time period for Architect's decision has passed under Article 4.6.5, submit a notification in writing sent by registered mail or certified mail with return receipt requested, with the District (and the District's CM) stating clearly the basis for the Claim and including all relevant and required documents. If the notification is not submitted within seven (7) days after the written decision of the Architect or the passage of time under Article 4.6.5, the Contractor shall be deemed to have waived all right to assert the Claim, and the Claim shall be denied. Claims submitted after the Retention Payment date shall also be considered null and void by the District. All Claims shall be reviewed pursuant to Articles 4.6.1 through 4.6.5.

The Formal Notification of Claim must be presented as follows:

- (1) The term "Claim" must be at the top of the page in no smaller than 20 point writing.
 - (2) All documentation submitted pursuant to Article 4.6 to the Architect shall be submitted with the "Claim."
 - (3) A stack of documents, copy of all Project documents, or the submission of random documents shall not constitute an adequate reference to supporting documentation.
 - (4) Any additional or supporting documentation that Contractor believes is relevant should be submitted at this time.
-
- d. Reasonable Documents to Support Claim: The Contractor shall furnish reasonable documentation to support the Claim. The Contractor shall provide all written detailed documentation which supports the Claim, including but not limited to: arguments, justifications, cost, estimates, Schedule analysis and detailed documentation. The format of the required reasonable documentation to support the Claim shall include, without limitation:
 - 1. Cover letter.
 - 2. Summary of factual basis of Claim and amount of Claim.
 - 3. Summary of the basis of the Claim, including the specific clause and section under the Contract under which the Claim is made.

4. Documents relating to the Claim, including:
 - a. Specifications sections in question.
 - b. Relevant portions of the Drawings
 - c. Applicable Clarifications (RFI's)
 - d. Other relevant information, including responses that were received.
 - e. Contractor Analysis of Claim merit.
 - (a) Contractor's analysis of any Subcontractor vendor Claims that are being passed through.
 - (b) Any analysis performed by outside consultants
 - (c) Any legal analysis that Contractor deems relevant
 - f. Break down of all costs associated with the Claim.
 - g. For Claims relating to time extensions, an analysis and supporting documentation evidencing any effect upon the critical path in conformance with the requirements of Article 8.4 chronology of events and related correspondence.
 - h. Applicable Daily Reports and logs.
 - (a) If the Daily Reports or Logs are not available, lost or destroyed, there shall be a presumption that the lost documentation was unfavorable to the Contractor. See California Civil Jury Instruction 204.
 - i. For Claims involving overhead, cost escalation, acceleration, disruption or increased costs, a full version of job costs reports organized by category of work or Schedule of Values with budget information tracked against actual costs. Any and all supporting back-up data, including the original bid (and associated original unaltered metadata).
 - (a) The metadata and bid information shall be provided confidentially and subject to a protective order to prevent dissemination to other contractors or to the public. However, the bid documentation should remain intact and available for review and inspection in case of this type of increased cost Claim.
 - (b) This data on the bid shall be made available to any District attorneys or experts and shall also be utilized as evidence for any legal proceedings.
 - (c) If the bid documentation is not available, lost or destroyed, there shall be a presumption that the lost bid documentation was unfavorable to the Contractor. See California Civil Jury Instruction 204.
- e. Certification: The Contractor (and Subcontractors, if applicable) shall submit with the Claim a certification under penalty of perjury:

1. That the Contractor has reviewed the Claim and that such Claim is made in good faith;
 2. Supporting data are accurate and complete to the best of the Contractor's knowledge and belief;
 3. The amount requested accurately reflects the amount of compensation for which the Contractor believes the District is liable.
 4. That the Contractor is familiar with Government Code sections 12650 et seq. and Penal Code section 72 and that false claims can lead to substantial fines and/or imprisonment.
- f. Signature of Certification: If the Contractor is not an individual, the certification shall be executed by an officer or general partner of the Contractor having overall responsibility for the conduct of the Contractor's affairs.
- g. Upon receipt of a Claim and all supporting documents as required above, the District shall conduct a reasonable review of the Claim and, within a period not to exceed 45 days, shall provide the Contractor a written statement identifying what portion of the Claim is disputed and what portion is undisputed. Upon receipt of a Claim, the District and Contractor may, by mutual agreement, extend the time period provided in this paragraph.
- h. If the District needs approval from its governing Board to provide the Contractor a written statement identifying the disputed portion and the undisputed portion of the Claim, and the governing Board does not meet within the 45 days or within the mutually agreed to extension of time following receipt of a Claim sent by registered mail or certified mail, return receipt requested, the District shall have up to three days following the next duly publicly noticed meeting of the governing Board after the 45-day period, or extension, expires to provide the Contractor a written statement identifying the disputed portion and the undisputed portion.
- i. Any payment due on an undisputed portion of the Claim shall be processed and made within 60 days after the District issues its written statement. If the District fails to issue a written statement, paragraph o below shall apply.
- j. If the Contractor disputes the District's written response, or if the District fails to respond to a Claim issued pursuant to this Article 4.6.9 within the time prescribed, the Contractor may demand in writing an informal conference to meet and confer for settlement of the issues in dispute. Upon receipt of a demand in writing sent by registered mail or certified mail, return receipt requested, the District shall schedule a meet and confer conference within 30 days for settlement of the Claim.

- k. Within 10 business days following the conclusion of the meet and confer conference, if the Claim or any portion of the Claim remains in dispute, the District shall provide the Contractor a written statement identifying the portion of the Claim that remains in dispute and the portion that is undisputed. Any payment due on an undisputed portion of the Claim shall be processed and made within 60 days after the District issues its written statement. Any disputed portion of the Claim, as identified by the Contractor in writing, shall be submitted to nonbinding mediation, with the District and the Contractor sharing the associated costs equally. The District and Contractor shall mutually agree to a mediator within 10 business days after the disputed portion of the Claim has been identified in writing. If the parties cannot agree upon a mediator, each party shall select a mediator and those mediators shall select a qualified neutral third party to mediate with regard to the disputed portion of the Claim. Each party shall bear the fees and costs charged by its respective mediator in connection with the selection of the neutral mediator. If mediation is unsuccessful, the parts of the Claim remaining in dispute shall be subject to applicable procedures in Article 4.6.9.5.
- l. For purposes of this Article 4.6.9, mediation includes any nonbinding process, including, but not limited to, neutral evaluation or a dispute review board, in which an independent third party or board assists the parties in dispute resolution through negotiation or by issuance of an evaluation. Any mediation utilized shall conform to the timeframes in this section.
- m. Unless otherwise agreed to by the District and the Contractor in writing, the mediation conducted pursuant to this Article 4.6.9 shall excuse any further obligation under Section 20104.4 to mediate after litigation has been commenced.
- n. This Claims process does not preclude the District from requiring arbitration of disputes under private arbitration or the Public Works Contract Arbitration Program, if mediation under this Article 4.6.9 does not resolve the parties' Claim. This Claims process does not preclude the District from submitting individual Disputes or Claims to binding arbitration pursuant to Article 4.6.9.4 below.
- o. Failure by the District to respond to a Claim from the Contractor within the time periods described in this subdivision or to otherwise meet the time requirements of this Article 4.6.9 shall result in the Claim being deemed rejected in its entirety. A Claim that is denied by reason of the District's failure to have responded to a Claim, or its failure to otherwise meet the time requirements of this Article 4.6.9, shall not constitute an adverse finding with regard to the merits of the Claim or the responsibility or qualifications of the Contractor.
- p. If a subcontractor or a lower tier subcontractor lacks legal standing to assert a Claim against a District because privity of contract does not exist,

the Contractor may present to the District a Claim on behalf of a subcontractor or lower tier subcontractor. A subcontractor may request in writing, either on his or her own behalf or on behalf of a lower tier subcontractor, that the Contractor present a Claim for work which was performed by the subcontractor or by a lower tier subcontractor on behalf of the subcontractor. The subcontractor requesting that the Claim be presented to the District shall furnish reasonable documentation to support the Claim. Within 45 days of receipt of this written request, the Contractor shall notify the subcontractor in writing as to whether the Contractor presented the Claim to the District and, if the Contractor did not present the Claim, provide the subcontractor with a statement of the reasons for not having done so.

- q. Upon receipt of a Claim, the parties may mutually agree to waive, in writing, mediation and proceed directly to the commencement of a civil action or binding arbitration, as applicable.
- r. The Contractor's Claim shall be denied if it fails to follow the requirements of this Article.

4.6.9.2 *District (through CM or District's Agent or Attorney) May Request Additional Information.* Within thirty (30) days of receipt of the Claim and the information under this Article, the District may request in writing any additional documentation supporting the Claim or documentation relating to defenses to the Claim which the District may assert. If additional documents are required, the time in which the Claim is evaluated may be extended by a reasonable time so the Claim and additional documents may be reviewed.

4.6.9.3 *Claims Procedures in Addition to Government Code Claim.* Nothing in the Claims procedures set forth in this Article 4 of the General Conditions shall act to waive or relieve the Contractor from meeting the requirements set forth in Government Code section 900 et seq.

4.6.9.4 *Binding Arbitration of Individual Claim Issues.* To expedite resolution of Claims pursuant to Public Contract Code section 9201, at the District's sole option, the District may submit individual Claims to Arbitration prior to Retention Payment consistent with the requirements of Article 4.6.6.1.

4.6.9.5 *Resolution of Claims in Court of Competent Jurisdiction.* If Claims are not resolved under the procedure set forth and pursuant to Article 4.6.9, such Claim or controversy shall be submitted to a court in the County of the location of the Project after the Project has been completed, and not before.

4.6.9.6 *Warranties, Guarantees and Obligations.* The duties and obligations imposed by these General Conditions and the rights and remedies available hereunder to the parties hereto, and, in particular but without limitation, the warranties, guarantees and obligations imposed upon Contractor by the General Conditions and amendments thereto; and all of the rights and remedies available to District and Architect thereunder, are in addition to, and are not to be construed in any way as a limitation of, any rights and remedies available to any or all of them which are otherwise imposed or available by laws or regulations by special warranty or guarantee or by other provisions of the Contract Documents, and the provisions of

this Article will be as effective as if repeated specifically in the Contract Documents in connection with each particular duty, obligation, right and remedy to which they apply.

ARTICLE 5 SUBCONTRACTORS

5.1 DEFINITIONS

5.1.1 Subcontractual Relations Bound to Same Contract Terms at General Contractor

By appropriate agreement, written where legally required for validity, the Contractor shall require each Subcontractor, to the extent of the Work to be performed by the Subcontractor, to be bound to the Contractor by terms of the Contract Documents, and to assume toward the Contractor all the same obligations and responsibilities, assumed by Contractor pursuant to the Contract Documents. Each subcontract agreement shall preserve and protect the rights of the District and the Architect under the Contract Documents with respect to the Work to be performed by the Subcontractor so that subcontracting thereof will not prejudice such rights. Where appropriate, the Contractor shall require each Subcontractor to enter into similar agreements with Sub-subcontractors. The Contractor shall make available to each proposed Subcontractor, prior to the execution of the subcontract agreement, copies of the Contract Documents to which the Subcontractor will be bound. Upon written request of the Subcontractor, the Contractor shall identify to the Subcontractor the terms and conditions of the proposed subcontract agreement, which may be at variance with the Contract Documents. Subcontractors shall similarly make copies of applicable portions of such documents available to their respective proposed Sub-subcontractors.

5.1.2 Subcontractor Licenses and DIR Registration

All Subcontractors shall be properly licensed by the California State Licensing Board. All Subcontractors (of any tier) performing any portion of the Work must comply with the Labor Code sections 1725.5 and 1771.1 and must be properly and currently registered with the California Department of Industrial Relations and qualified to perform public works pursuant to Labor Code section 1725.5 throughout the duration of the Project. No portion of the Work is permitted to be performed by a Subcontractor of any tier unless the subcontractor is properly registered with DIR. Any Subcontractors of any tier not properly registered with DIR shall be substituted in accordance with Labor Code section 1771.1.

5.1.3 Substitution of Subcontractor

Substitution of Subcontractors shall be permitted only as authorized under Public Contract Code §§ 4107 et seq. Any substitutions of Subcontractors shall not result in any increase in the Contract Price or result in the granting of any extension of time for the completion of the Project.

5.1.4 Contingent Assignment of Subcontracts and Other Contracts

Each subcontract, purchase order, vendor contract or agreement for any portion of the Work is hereby assigned by the Contractor to the District provided that:

- a. Such assignment is effective only after Termination of this Contract with the Contractor by the District as provided under Article 14 and only for those subcontracts and other contracts and agreements that the District accepts by notifying the Subcontractor or Materialman (as may be applicable) in writing; and
- b. Such assignment is subject to the prior rights of the Surety(ies) obligated under the Payment Bond and Performance Bond.

- c. The Contractor shall include adequate provisions for this contingent assignment of subcontracts and other contracts and agreements in each such document.

**ARTICLE 6
CONSTRUCTION BY DISTRICT OR BY SEPARATE CONTRACTORS**

6.1 DISTRICT'S RIGHT TO PERFORM CONSTRUCTION AND TO AWARD SEPARATE CONTRACTS

6.1.1 Separate Contracts.

6.1.1.1 District reserves the right to let other contracts in connection with this Work. Contractor shall afford other contractors reasonable opportunity for (1) introduction and storage of their materials; (2) access to the Work; and (3) execution of their work. Contractor shall properly connect and coordinate its work with that of other Contractors.

6.1.1.2 If any part of Contractor's Work depends on proper execution or results of any other contractor, the Contractor shall inspect and within seven (7) days or less, report to Architect, in writing, any defects in such work that render it unsuitable for proper execution of Contractor's Work. Contractor will be held accountable for damages to District for that Work which it failed to inspect or should have inspected. Contractor's failure to inspect and report shall constitute its acceptance of other contractors' Work as fit and proper for reception of its Work, except as to defects which may develop in other contractors' work after execution of Contractor's work.

6.1.1.3 To ensure proper execution of its subsequent Work, Contractor shall measure and inspect Work already in place and shall at once report to the Architect in writing any discrepancy between executed Work as built and the Contract Documents.

6.1.1.4 Contractor shall ascertain to its own satisfaction the scope of the Project and nature of any other contracts that have been or may be awarded by District in prosecution of the Project and the potential impact of such Work on the Baseline Schedule or Schedule updates.

6.1.1.5 Nothing herein contained shall be interpreted as granting to Contractor the exclusive occupancy at the site of Project. Contractor shall not cause any unnecessary hindrance or delay to any other contractor working on the Project Site. If execution of any contract by the District is likely to cause interference with Contractor's performance of this Contract, once Contractor provides District timely written notice and identifies the Schedule Conflict, District shall decide which contractor shall cease work temporarily and which contractor shall continue, or whether Work can be coordinated so that contractors may proceed simultaneously.

6.1.1.6 District shall not be responsible for any damages suffered or extra costs incurred by Contractor resulting directly or indirectly from award or performance or attempted performance of any other contract or contracts at the Project necessary for the performance of the Project (examples include Electrical Utility Contractor, separate offsite contractor, a separate grading contractor, furniture installation etc.)

CONTRACTOR IS AWARE THAT THIS CONTRACT MAY BE SPLIT INTO SEVERAL PHASES BASED ON DOCUMENTATION PROVIDED WITH THIS BID OR DISCUSSED AT THE JOB WALK. CONTRACTOR HAS MADE ALLOWANCE FOR ANY DELAYS OR DAMAGES WHICH MAY ARISE FROM COORDINATION WITH CONTRACTORS REQUIRED FOR OTHER PHASES. IF ANY DELAYS SHOULD ARISE FROM ANOTHER CONTRACTOR

WORKING ON A DIFFERENT PHASE, CONTRACTOR'S SOLE REMEDY FOR DAMAGES, INCLUDING DELAY DAMAGES, SHALL BE AGAINST THE CONTRACTOR WHO CAUSED SUCH DAMAGE AND NOT THE DISTRICT. CONTRACTOR SHALL PROVIDE ACCESS TO OTHER CONTRACTORS FOR OTHER PHASES AS NECESSARY TO PREVENT DELAYS AND DAMAGES TO OTHER CONTRACTORS WORKING ON OTHER PHASES OF CONSTRUCTION.

6.1.2 District's Right to Carry Out the Work

(See Article 2.2)

6.1.3 Designation as Contractor

When separate contracts are awarded to contractors on the Project Site, the term "Contractor" in the Contract Documents in each case shall mean the Contractor who executes each separate District/Contractor Agreement.

6.1.4 District Notice to the Contractor of Other Contractors

The Contractor shall have overall responsibility to reasonably coordinate and schedule Contractor's activities with the activities of the District's forces and of each separate contractor with the Work of the Contractor, who shall cooperate with them. The Contractor shall participate with other separate contractors and the District in reviewing their construction schedules when:

- a. Notice is provided in the Contract Documents of other scope of Work,
- b. In the case where there is known Work to be performed by other Contractors
- c. For outside contractors hired by utilities
- d. Where the Contract Document provides "Work by Others" or "By Others"
- e. Where specifically noted during the Pre-Bid Conference
- f. Where specifically noted in the Mandatory Job Walk
- g. By CO or ICD,
- h. With respect to the installation of :
 1. Furniture,
 2. Electronics and networking equipment,
 3. Cabling,
 4. Low voltage,
 5. Off-site work,
 6. Grading (when by a separate contractor),
 7. Environmental remediation when excluded by the Contract Documents (i.e. asbestos, lead or other hazardous waste removal)

8. Deep cleaning crews,
9. Commissioning and testing,
10. Keying and re-keying,
11. Programming

6.1.4.1 Exception where no Coordination is Required on the Part of the Contractor for Turn Key Operations. If the Contractor has specifically outlined a “Turn Key” or “Complete Delivery” of a final completed operational school in writing as part of the Baseline Schedule..

6.1.4.2 The Contractor shall make any revisions to the Baseline Schedule (or Schedule Update) and Contract Sum deemed necessary after a joint review and mutual agreement. The Baseline Schedule (or Schedule Update) shall then constitute the Schedules to be used by the Contractor, separate contractors, and the District until subsequently revised. Additionally, Contractor shall coordinate with Architect, District, and Inspector to ensure timely and proper progress of Work.

6.2 CONSTRUCTIVE OWNERSHIP OF PROJECT SITE AND MATERIAL

Upon commencement of Work, the Contractor becomes the constructive owner of the entire site, improvements, material and equipment on Project site. Contractor must ensure proper safety and storage of all materials and assumes responsibility as if Contractor was the owner of the Project site. All risk of loss or damage shall be borne by Contractor during the Work until the date of Completion. As constructive owner of the Project site, Contractor must carry adequate insurance in case of calamity and is not entitled to rely on the insurance requirements as set forth in this Agreement as being adequate coverage in case of calamity.

6.3 DISTRICT’S RIGHT TO CLEAN UP

If a dispute arises among the Contractor, separate contractors, and the District as to the responsibility under their respective contracts for maintaining the premises and surrounding area free from waste materials and rubbish as described in Article 3.12, the District may clean up and allocate the cost among those it deems responsible.

**ARTICLE 7
CHANGES IN THE WORK**

7.1 CHANGES

7.1.1 No Changes Without Authorization

There shall be no change whatsoever in the Drawings, Specifications, or in the Work without an executed Change Order, Change Order Request, Immediate Change Directive, or order by the Architect for a minor change in the Work as herein provided. District shall not be liable for the cost of any extra work or any substitutions, changes, additions, omissions, or deviations from the Drawings and Specifications unless the District's Governing Board or designated representative with delegated authority (subject to Board ratification) has authorized the same and the cost thereof approved in writing by Change Order or executed Construction Change Document. No extension of time for performance of the Work shall be allowed hereunder unless claim for such extension is made at the time changes in the Work are ordered, and such time duly adjusted in writing in the Change Order. The provisions of the Contract Documents shall apply to all such changes, additions, and omissions with the same effect as if originally embodied in the Drawings and Specifications. Notwithstanding anything to the contrary in this Article 7, all Change Orders shall be prepared and issued by the Architect and shall become effective when executed by the District's Governing Board, the Architect, and the Contractor.

Should any Change Order result in an increase in the Contract Price, the cost of such Change Order shall be agreed to, in writing, in advance by Contractor and District and be subject to the monetary limitations set forth in Public Contract Code section 20118.4 (Please check with the District since there are different interpretations of the limitations of Public Contract Code section 20118.4 depending on the County the Project is located). In the event that Contractor proceeds with any change in Work without first notifying District and obtaining the Architect's and District's consent to a Change Order, Contractor waives any Claim of additional compensation for such additional work and Contractor takes the risk that a Notice of Non-Compliance may issue, a critical path Project delay may occur, and the Contractor will also be responsible for the cost of preparation and DSA CCD review fees for a corrective DSA approved Construction Change Document.

CONTRACTOR UNDERSTANDS, ACKNOWLEDGES, AND AGREES THAT THE REASON FOR THIS NOTICE REQUIREMENT IS SO THAT DISTRICT MAY HAVE AN OPPORTUNITY TO ANALYZE THE WORK AND DECIDE WHETHER THE DISTRICT SHALL PROCEED WITH THE CHANGE ORDER OR ALTER THE PROJECT SO THAT SUCH CHANGE IN WORK BECOMES UNNECESSARY AND TO AVOID THE POSSIBLE DELAYS ASSOCIATED WITH THE ISSUANCE OF A NOTICE OF NON-COMPLIANCE.

7.1.2 Notices of Non-Compliance

Contractor deviation or changes from approved Plans and Specifications may result in the issuance of a Notice of Non-Compliance (See DSA Form 154). Contractor is specifically notified that deviations from the Plans and Specifications, whether major or minor, may result in the requirement to obtain a DSA Construction Change Document to correct the Notice of Non-Compliance. (See Article 7.3.1 for Definition of CCD). In some cases, the lack of a DSA approved CCD AND verification from the Inspector that a Notice of Non-Compliance has been corrected may result in a critical path delay to the next stage of Work on the Project. Specifically, a deviation from approved Plans and Specifications may prevent

approval of the category of Work listed in the DSA 152 Project Inspection Card. Any delays that are caused by the Contractor's deviation from approved Plans and Specifications shall be the Contractor's responsibility.

7.1.3 Architect Authority

The Architect will have authority to order minor changes in the Work that do not involve DSA Approval not involving any adjustment in the Contract Sum, or an extension of the Contract Time.

7.2 CHANGE ORDERS ("CO")

A CO is a written instrument prepared by the Architect and signed by the District (as authorized by the District's Governing Board), the Contractor, and the Architect stating their agreement upon all of the following:

- a. A description of a change in the Work;
- b. The amount of the adjustment in the Contract Sum, if any; and
- c. The extent of the adjustment in the Contract Time, if any.

A CO may be comprised of ICD's, Response to RFP's and COR's

7.3 CONSTRUCTION CHANGE DOCUMENT (CCD Category A, and CCD Category B) and IMMEDIATE CHANGE DIRECTIVE (ICD)

7.3.1 Definitions

7.3.1.1 *Construction Change Document (CCD)*. A Construction Change Document is a DSA term that is utilized to address changes to the DSA approved Plans and Specifications. There are two types of Construction Change Documents. (1) DSA approved CCD Category A for Work affecting structural, access compliance or fire/ life safety of the Project which will require a DSA approval; and, (2) CCD Category B for work NOT affecting structural safety, access compliance or fire/ life safety that will not require a DSA approval (except to confirm that no approval is required). Both CCD Category A and Category B shall be set forth in DSA Form 140 and submitted to DSA as required.

7.3.1.2 *Immediate Change Directive (ICD)*. An Immediate Change Directive is a written order to the Contractor prepared by the Architect and signed by the District (and CM if there is a CM on the Project) and the Architect, directing a change in the Work and stating a proposed basis for adjustment, if any, in the Contract Sum or Contract Time, or both. The District may by ICD, without invalidating the Contract, direct immediate changes in the Work within the general scope of the Contract consisting of additions, deletions, or other revisions within. If applicable, the Contract Sum and Contract Time will be adjusted accordingly.

In the case of an Immediate Change Directive being issued, Contractor must commence Work immediately or delays from failure to perform the ICD shall be the responsibility of Contractor and the failure to move forward with Work immediately shall also be grounds for Termination under Article 14.

An ICD does not automatically trigger an Article 7.6 Dispute or Claim. Contractor must timely follow the procedures outlined at Article 7.6 and 4.6 where applicable.

Refer to Division 1 and Supplementary General Conditions for a copy of the proposed Immediate Change Directive form.

7.3.2 Use to Direct Change

An ICD shall be used to move work forward immediately and to avoid delay. In some cases, an ICD shall be issued in the absence of agreement on the terms of a CO, COR, or RFP. A copy of an ICD form is provided in the Supplementary General Conditions and Division 1. The anticipated not to exceed price for the Work will be inserted into the ICD. In the case of an ICD issued to correct Contractor Deficiencies or to correct a Contractor caused Notice of Non-Compliance, the ICD may be issued with \$0 and no additional time. Contract may prepare a COR associated with the ICD pursuant to Article 7. However, Contractor shall proceed with all Work required under an Approved ICD immediately upon issuance. Failure to proceed with the Work under an ICD shall be grounds for Termination for Cause under Article 14 or take over the Work under Article 2.2.

If adequate time exists, an ICD may be subject of an RFP for pricing and determination if any time that may be required. However, if an RFP is not completed, Contractor shall immediately commence Work when an ICD is issued. If the RFP is incomplete, it may still be completed to be submitted for pricing purposes as long as the RFP is submitted within the timeline provided by the RFP, or within 10 days following issuance of the ICD.

7.3.3 ICD Issued Over a Notice of Non-Compliance or to Cover Work Subject to a DSA 152 Sign Off

In some cases, an ICD shall be for the purpose of proceeding with Work to keep the Project on Schedule and as an acknowledgement by the District that Contractor is proceeding with Work contrary to a Notice of Non-Compliance, prior to issuance of a DSA approved CCD Category A, or to direct the covering of Work which has not yet received a DSA 152 Inspection Approval to move forward.

7.3.3.1 *Contractor Compliance with all Aspects of an ICD.* Contractor is to undertake the ICD and comply with all aspects of the Work outlined in the ICD. Inspector is to inspect the Work pursuant to the ICD. Failure to follow the ICD may result in deduction of the ICD Work under Article 2.2 or Termination of the Contractor pursuant to Article 14.

7.3.3.2 *Exception in the Case of DSA Issued Stop Work Order.* Contractor must proceed with an ICD even if a CCD has not been approved by DSA except in the case of a DSA issued Stop Work Order. If a DSA Stop Work Order is issued, Contractor must stop work and wait further direction from the District.

7.3.3.3 *ICD Due to Contractor Deficiency or Contractor Caused Notice of Non-Compliance.* If an ICD is issued to correct a Contractor Deficiency or a Contractor caused notice of Non-Compliance, Contractor specifically acknowledges responsibility for all consequential damages associated with the Contractor Deficiency or Contractor caused Notice of Non-Compliance and all consequential damages and costs incurred to correct the deficiency under Article 4.5

7.4 REQUEST FOR INFORMATION (“RFI”)

7.4.1 Definition

A RFI is a written request prepared by the Contractor requesting the Architect to provide additional information necessary to clarify or amplify an item which the Contractor believes is not clearly shown or called for in the Drawings or Specifications, or to address problems which have arisen under field conditions.

7.4.1.1 A RFI shall not be used as a vehicle to generate time extensions.

7.4.1.2 Resubmission of the same or similar RFI is not acceptable. RFI's that are similar should be addressed in Project meetings where the requestor (Contractor, Subcontractor or vendor) is able to address the particular issue with the Architect or Engineer and a resolution addressed in the minutes.

7.4.1.3 A RFI response applicable to a specific area cannot be extended to other situations unless specifically addressed in writing within the RFI or in a separate RFI.

7.4.1.4 RFI's should provide a proposed solution and should adequately describe the problem that has arisen.

7.4.2 Scope

The RFI shall reference all the applicable Contract Documents including Specification section, detail, page numbers, Drawing numbers, and sheet numbers, etc. The Contractor shall make suggestions and interpretations of the issue raised by the RFI. An RFI cannot modify the Contract Cost, Contract Time, or the Contract Documents.

7.4.3 Response Time

The Architect must respond to a RFI within a reasonable time after receiving such request. If the Architect's response results in a change in the Work, then such change shall be effected by a written CO, COR RFP or ICD, if appropriate. If the Architect cannot respond to the RFI within a reasonable time, the Architect shall notify the Contractor, with a copy to the Inspector and the District, of the amount of time that will be required to respond.

7.4.4 Costs Incurred

The Contractor shall be responsible for any costs incurred for professional services as more fully set forth in Article 4.5, which shall be subject to a Deductive Change Order, if an RFI requests an interpretation or decision of a matter where the information sought is equally available to the party making such request. District, at its sole discretion, shall issue a Deductive Change Order to Contractor for all such professional services arising from this Article.

7.5 REQUEST FOR PROPOSAL ("RFP")

7.5.1 Definition

A RFP is a written request prepared by the Architect (and/or CM) requesting the Contractor to submit to the District and the Architect an estimate of the effect of a proposed change on the Contract Price and (if applicable) the Contract Time. If Architect issues a Bulletin, the Changed items in the Bulletin

shall be addressed as an RFP and all responses shall be prepared to a Bulletin as addressed in this Article 7.5. A form RFP is included in the Division 1 documents.

7.5.2 Scope

A RFP shall contain adequate information, including any necessary Drawings and Specifications, to enable Contractor to provide the cost breakdowns required by Article 7.7. The Contractor shall not be entitled to any Additional Compensation for preparing a response to an RFP, whether ultimately accepted or not.

7.5.3 Response Time

Contractor shall respond to an RFP within ten (10) days or the time period otherwise set forth in the RFP.

7.6 CHANGE ORDER REQUEST (“COR”)

7.6.1 Definition

A COR is a written request prepared by the Contractor supported by backup documentation requesting that the District and the Architect issue a CO based upon a proposed change, cost, time, or cost and time that may be incurred on the Project or arising from an RFP, ICD, or CCD.

7.6.2 Changes in Price

A COR shall include breakdowns per Article 7.7 to validate any change in Contract Price due to proposed change or Claim.

7.6.3 Changes in Time

A COR shall also include any additional time required to complete the Project only if the delay is a critical path delay. Any additional time requested shall not be the number of days to make the proposed change, but must be based upon the impact to the Project Schedule as defined in Article 8. A schedule fragnet showing the time delay must be submitted with the COR. Any changes in time will be granted only if there is an impact to the critical path. If Contractor fails to request a time extension in a COR, then the Contractor is thereafter precluded from requesting or claiming a delay.

7.7 COST OF CHANGE ORDERS

7.7.1 Scope

Within ten (10) days after a request is made for a change that impacts the Contract Sum as defined in Article 9.1, the critical path, or the Contract Time as defined in Article 8.1.1, the Contractor shall provide the District and the Architect, with a written estimate of the effect of the proposed CO upon the Contract Sum and the actual cost of construction, which shall include a complete itemized cost breakdown of all labor and material showing actual quantities, hours, unit prices, and wage rates required for the change, and the effect upon the Contract Time of such CO. Changes may be made by District by an

appropriate written CO, or, at the District's option, such changes shall be implemented immediately upon the Contractor's receipt of an appropriate written Construction Change Document.

District may, as provided by law and without affecting the validity of this Agreement, order changes, modification, deletions and extra work by issuance of written CO or CCD from time to time during the progress of the Project, Contract Sum being adjusted accordingly. All such Work shall be executed under conditions of the original Agreement except that any extension of time caused thereby shall be adjusted at time of ordering such change. District has discretion to order changes on a "time and material" basis with adjustments to time made after Contractor has justified through documentation the impact on the critical path of the Project.

7.7.1.1 *Time and Material Charges.* If the District orders Work on a "time and material" basis, timesheets shall be signed daily by the Inspector or District Representative at or near the time the Work is actually undertaken and shall show the hours worked, and the Work actually completed. No time sheets shall be signed the next day. A copy shall be provided to the Person signing the document at the time the document is signed, but not before 10 am the following day.

7.7.2 Determination of Cost

The amount of the increase or decrease in the Contract Price from a CO or COR, if any, shall be determined in one or more of the following ways as applicable to a specific situation:

- a. Mutual acceptance of a lump sum properly itemized and supported by sufficient substantiating data to permit evaluation. If an agreement cannot be reached within fifteen (15) days after submission and negotiation of Contractor's proposal, Contractor may submit pursuant to Article 7.7.3. Submission of sums which have no basis in fact are at the sole risk of Contractor and may be a violation of the False Claims Act set forth under Government Code section 12650 et seq.);
 1. If the District objects to 7.7.2(a) as a method for submission due to inaccuracies in the submitted amount, overstatement of manpower or time required to perform the CO, or unreliability of the data provided, the District may either have the Architect or a professional estimator determine the cost for the CO, and the applicable time extension, or the Contractor shall utilize Article 7.7.2(d) or 7.7.3.
 2. Once the District provides a written objection to use of Article 7.7.2(a) due to unreliability of the estimated price, the Contractor shall no longer utilize mutual acceptance of a lump sum as a method for submission of CO's and shall provide a breakdown of estimated or actual costs pursuant to Article 7.7.2(d) or 7.7.3
- b. By unit prices contained in Contractor's original bid and incorporated in the Project documents or fixed by subsequent agreement between District and Contractor;
- c. Cost to be determined in a manner agreed upon by the parties and a mutually acceptable fixed or percentage fee. However, in the case of disagreement, Contractor must utilize the procedure under Article 7.7.3; or

d. By cost of material and labor and percentage of overhead and profit. If the value is determined by this method the following requirements shall apply:

1. *Basis for Establishing Costs*

- (1) Labor will be the cost for wages prevailing locally for each craft or type of workers at the time the extra Work is done, plus employer payments of payroll taxes and workers compensation insurance (exclude insurance costs as part of the overhead and profit mark-up), health and welfare, pension, vacation, apprenticeship funds, and other direct costs resulting from Federal, State, or local laws, as well as assessments or benefits required by lawful collective bargaining agreements. In no case shall the total labor costs exceed the applicable prevailing wage rate for that particular classification. The use of a labor classification which would increase the extra Work cost will not be permitted unless the Contractor establishes the necessity for such additional costs. Labor costs for equipment operators and helpers shall be reported only when such costs are not included in the invoice for equipment rental.
- (2) Materials shall be at invoice or lowest current price at which such materials are locally available and delivered to the Site in the quantities involved, plus sales tax, freight, and delivery. The District reserves the right to approve materials and sources of supply or to supply materials to the Contractor if necessary for the progress of the Work. No markup shall be applied to any material provided by the District.
- (3) Tool and Equipment Rental. No payment will be made for the use of tools which have a replacement value of \$250 or less.

Regardless of ownership, the rates to be used in determining equipment rental costs shall not exceed listed rates prevailing locally at equipment rental agencies or distributors at the time the Work is performed. Rates applied shall be appropriate based on actual equipment need and usage. Monthly, weekly or other extended use rates that results in the lowest cost shall be applied if equipment is used on site for extended periods.

The rental rates paid shall include the cost of fuel, oil, lubrication, supplies, small tools, necessary attachments, repairs and maintenance of any kind, depreciation, storage, insurance, and all incidentals.

Necessary loading and transportation costs for equipment used on the extra Work shall be included. If equipment is used intermittently and, when not in use, could be returned to its rental source at less expense to the District than holding it at the Work Site, it shall be returned unless the Contractor elects to keep it at the Work Site at no expense to the District.

All equipment shall be acceptable to the Inspector, in good working condition, and suitable for the purpose for which it is to be used. Manufacturer's ratings and modifications shall be used to classify equipment, and equipment shall be powered by a unit of at least the minimum rating recommended by the manufacturer.

If tool and equipment charges are part of a Dispute or Claim, the District reserves the right to utilize actual costs for tools and equipment or a depreciation rate for equipment based on audit finding under Article 13.11 and deduct any rental charges that exceed actual or depreciated costs.

- e. Other Items. The District may authorize other items which may be required on the extra work. Such items include labor, services, material, and equipment which are different in their nature from those required by the Work, and which are of a type not ordinarily available from the Contractor or any of the Subcontractors. Invoices covering all such items in detail shall be submitted with the request for payment.
- f. Invoices. Vendors' invoices for material, equipment rental, and other expenditures shall be submitted with the COR. If the request for payment is not substantiated by invoices or other documentation, the District may establish the cost of the item involved at the lowest price which was current at the time of the Daily Report.
- g. Overhead. Overhead, including direct and indirect costs, shall be submitted with the COR and include: field overhead, home office overhead, off-site supervision, CO preparation/negotiation/research, time delays, Project interference and disruption, additional guaranty and warranty durations, on-site supervision, additional temporary protection, additional temporary utilities, additional material handling costs, liability and property damage insurance, and additional safety equipment costs.

7.7.3 Format for COR or CO's

The following format shall be used as applicable by the District and the Contractor to communicate proposed additions to the Contract. All costs submitted shall be actual costs and labor shall be unburdened labor. Refer to Division 1 for a copy of the Construction Change Order form.

	<u>EXTRA</u>	<u>CREDIT</u>
(a) Material (attach itemized quantity and unit cost plus sales tax)	_____	_____
(b) Labor Not to Exceed Applicable Prevailing Wage Rates (attach itemized hours and rates)	_____	_____

		<u>EXTRA</u>	<u>CREDIT</u>
(c)	Equipment (attach invoices)		
(d)	Subtotal		
(e)	If Subcontractor performed work, add Subcontractor's overhead and profit to portions performed by Subcontractor, not to exceed 10% of item (d).		
(f)	Subtotal		
(g)	Contractor's Overhead and Profit: Not to exceed 10% of Item (d) if Contractor performed the work. No more than 5% of Item (d) if Subcontractor performed the work. If work was performed by Contractor and Subcontractors, portions performed by Contractor shall not exceed 10% of Item (d), and portions performed by Subcontractor shall not exceed 10% of Item (d).		
(h)	Subtotal		
(i)	Bond not to exceed one percent (1%) of Item (h)		

		<u>EXTRA</u>	<u>CREDIT</u>
(k)	TOTAL	_____	_____
(l)	Time/ Days	_____	_____
		_____	_____

The undersigned Contractor approves the foregoing Change Order or Immediate Change Directive as to the changes, if any, and the Contract price specified for each item and as to the extension of time allowed, if any, for completion of the entire Work on account of said Change Order or Immediate Change Directive, and agrees to furnish all labor, materials and service and perform all Work necessary to complete any additional Work specified therein, for the consideration stated herein. It is understood that said Change Order or Immediate Change Directive shall be effective when approved by the Governing Board of the District.

It is expressly understood that the value of such extra Work or changes, as determined by any of the aforementioned methods, expressly includes any and all of the Contractor's costs and expenses, both direct and indirect, resulting from additional time required on the Project or resulting from delay to the Project. Any costs, expenses, damages or time extensions not included are deemed waived.

The Contractor expressly acknowledges and agrees that any change in the Work performed shall not be deemed to constitute a delay or other basis for claiming additional compensation based on theories including, but not limited to, acceleration, suspension or disruption to the Project.

7.7.3.1 *Adjustment for Time and Compensable Delay.* A CO shall also include any additional time required to complete the Project. Any additional time requested shall not be the number of days to make the proposed change, but must be based upon the impact to the Project Schedule as defined in Article 8 of the General Contract. A schedule fragnet showing the time delay must be submitted with the CO. Any changes in time will be granted only if there is an impact to the critical path. If Contractor fails to request a time extension in a CO, then the Contractor is thereafter precluded from requesting or claiming a delay.

7.7.4 Deductive Change Orders

All Deductive Change Order(s) must be prepared utilizing the form under Article 7.7.3 (a) – (d) only, setting forth the actual costs incurred. Except in the case of an Article 2.2 or 9.6 Deductive Change Order where no mark-up shall be allowed, Contractor will be allowed a maximum of 5% total profit and overhead.

For unilateral Deductive Change Orders, or where credits are due from Contractor for Allowances, Deductive Items, Inspection, Damage, DSA CCD review costs, Architect or Inspector costs for after hours or corrective services, Work removed from the Agreement under Article 2.2 or Article 9.6, there shall be no mark-up.

District may, any time after a Deductive Change Order is presented to Contractor by District for items under Article 2.2 or Article 9.6 or if there is disagreement as to the Deductive Change Order, issue a unilateral Deductive Change Order on the Project and deduct the Deductive Change Order from a Progress Payment, Final Payment, or Retention.

7.7.5 Discounts, Rebates, and Refunds

For purposes of determining the cost, if any, of any change, addition, or omission to the Work hereunder, all trade discounts, rebates, refunds, and all returns from the sale of surplus materials and equipment shall accrue and be credited to the Contractor, and the Contractor shall make provisions so that such discounts, rebates, refunds, and returns may be secured, and the amount thereof shall be allowed as a reduction of the Contractor's cost in determining the actual cost of construction for purposes of any change, addition, or omissions in the Work as provided herein. All CO's are subject to Audit under Article 13.11 for discounts, rebates and refunds.

7.7.6 Accounting Records

With respect to portions of the Work performed by CO's and CCD's on a time-and-materials, unit-cost, or similar basis, the Contractor shall keep and maintain cost-accounting records in a format consistent with accepted accounting standards and satisfactory to the District, which shall be available to the District on the same terms as any other books and records the Contractor is required to maintain under the Contract Documents.

Any time and material charges shall require Inspector's signature on time and material cards showing the hours worked and the Work actually completed. (See Article 7.7.1.1)

7.7.7 Notice Required

If the Contractor desires to initiate a Dispute or Claim for an increase in the Contract Price, or any extension in the Contract Time for completion, Contractor shall notify the applicable party responsible for addressing the Dispute or Claim pursuant to Article 4.6. No Claim or Dispute shall be considered unless made in accordance with this subparagraph. Contractor shall proceed to execute the Work even though the adjustment may not have been agreed upon. Any change in the Contract Price or extension of the Contract Time resulting from such Claim shall be authorized by a CO.

7.7.8 Applicability to Subcontractors

Any requirements under this Article 7 shall be equally applicable to CO's, COR's or ICD's issued to Subcontractors by the Contractor to the same extent required by the Contractor.

7.7.9 Alteration to Change Order Language

Contractor shall not alter or reserve time in COR's, CO's or ICD's. Contractor shall execute finalized CO's and proceed under Article 7.7.7 and Article 4.6 with proper notice. If Contractor intends to reserve time without an approved CPM schedule prepared pursuant to Article 8 or without submitting a fragnet showing delay to critical path, then Contractor may be prosecuted pursuant to the False Claim Act.

**ARTICLE 8
TIME AND SCHEDULE**

8.1 DEFINITIONS

8.1.1 Contract Time

Contractor shall perform and reach Substantial Completion (See Article 1.1.46) within the time specified in the Agreement Form. Moreover, Contractor shall perform its Work in strict accordance with the Project Milestones in the Contract Documents and shall proceed on a properly developed and approved Baseline Schedule, which represents the Contractor's view of the practical way in which the Work will be accomplished. Note that Contract Time includes and incorporates all Float and other Baseline inclusions as noted in Article 8.3.2.1 and as otherwise specifically noted in Article 8.

8.1.2 Notice to Proceed

District may give a Notice to Proceed within ninety (90) days of the award of the bid by District. Once Contractor has received the notice to proceed, Contractor shall complete the Work in the period of time referenced in the Contract Documents.

In the event that District desires to postpone the giving of the Notice to Proceed beyond this three-month period, it is expressly understood that with reasonable notice to the Contractor, the giving of the date to proceed may be postponed by District. It is further expressly understood by Contractor, that Contractor shall not be entitled to any claim of additional compensation as a result of the postponement of the giving of the notice to proceed

If the Contractor believes that a postponement will cause a hardship to Contractor, Contractor may terminate the Contract with written notice to District within 10 days after receipt by Contractor of District's notice of postponement. It is further understood by Contractor that in the event that Contractor terminates the Contract as a result of postponement by the District, the District shall only be obligated to pay Contractor for the Work that Contractor had performed at the time of notification of postponement and the grounds for notification and hardship shall be subject to Audit pursuant to Article 13.11. Should Contractor terminate the Contract as a result of a notice of postponement, District may award the Contract to the next lowest responsible bidder.

8.1.3 Computation of Time

The term "day" as used in the Contract Documents shall mean calendar day unless otherwise specifically defined.

8.1.4 Float

Float is time the total number of days an activity may be extended or delayed without delaying the Completion Date shown in the schedule. Float will fall into three categories: (1) Rain Days; (2) Governmental Delays; and, (3) Project Float. Project Float and Rain Days are owned by the Project and may be utilized as necessary for critical path delays once the days become available for consumption (i.e. the Rain Day arrives and is not utilized since rain did not occur or Work was performed on the interior of a building). However, Governmental Delay float shall not be utilized for purposes other than to address critical path delays that arise due to approvals, Inspector approvals or verifications on governmental forms.

8.1.4.1 *Governmental Delay Float.* It is anticipated that there will be governmental generated delays. Specific to DSA approvals, it is anticipated that no less than twelve (12) days per calendar year shall be set aside as Governmental Float to be utilized on critical path delays. A pro-rated number of days shall be calculated based on length of Contract Time. (For example, a two (2) year Contract Time shall require twenty-four (24) days of Governmental Float. If the Contract Time is 182 days, then the Contract Time shall require six (6) days of Governmental Float) This Governmental Delay float must be incorporated into the schedule and should be incorporated in each critical activity as Contractor deems fit. Specifically, major categories of Work under the DSA 152 (Project Inspection Card) should be allocated Governmental Delay Float at the Contractor's discretion. Governmental Delay Float on the Project may exceed 12 days per one (1) year period, but Contractor is required to include not be less than 12 days of Governmental Delay Float during each one (1) year period.

Contractor's failure to establish a protocol for requesting inspections is not grounds to utilize Governmental Delay Float. As noted in Article 3.1.4, 48 hours advance notice of commencing Work on a new area is required after submitting form DSA 156 and under PR 13-01 Special Inspection reports are not required to be posted until at least 14 days after the Work was inspected. Failure to plan, and pay (if applicable) for quicker delivery of Special Inspections is not Governmental Delay Float under Article 8.1.4.1. If Governmental Delay Float is not utilized, this float is carried through to other DSA 152 categories of inspection and consumed over the course of the Project

Governmental Delay Float may be utilized for a DSA Stop Work Order regardless of fault as defined under Education Code section 17307.5(b).

8.1.4.2 *Inclement Weather (Rain Days).* The Contractor will only be allowed a time extension for unusually severe weather if it results in precipitation or other conditions which in the amount, frequency, or duration is in excess of the norm at the location and time of year in question as established by NOAA weather data. No less than 22 calendar days for each calendar year for Southern California will be allotted for in the Contractor's schedule for each winter weather period or carried at the end of the schedule as Rain Float. Float for weather days in other geographical regions shall be adjusted based on NOAA weather data for the geographical location. Contractor has anticipated all the days it takes to dry out and re-prepare areas that may be affected by weather delays which extend beyond the actual weather days. The weather days shall be shown on the schedule and if not used will become float for the Project's use. The Contractor will not be allowed a day-for-day weather delay for periods noted as float in the Schedule. The Contractor is expected to work seven (7) days per week (if necessary, irrespective of inclement weather), to maintain access, and to protect the Work under construction from the effects of inclement weather. Additional days beyond the NOAA shall be considered under the same criteria that weather days are granted below.

A Rain Day shall be granted by Architect or CM if the weather prevents the Contractor from beginning Work at the usual daily starting time, or prevents the Contractor from proceeding with seventy-five (75%) of the normal labor and equipment force towards completion of the day's current controlling item on the accepted schedule for a period of at least five hours, and the crew is dismissed as a result thereof, the Architect will designate such time as unavoidable delay and grant one (1) critical path activity calendar-day extension if there is no available float for the calendar year.

8.1.4.3 *Project Float.* The Contractor may determine some activities require a lesser duration than allocated and may set aside float in the Project Schedule. There shall be no early completion. Instead, to the extent float is either addressed at the end of the Project or throughout each category of critical path work, Project float may be used as necessary during the course of the Project and allocated on a first,

come first serve basis. However, the use of float does not extend to Governmental Delay Float, which shall only be used for Governmental Delays.

8.2 HOURS OF WORK

8.2.1 Sufficient Forces

Contractors and Subcontractors shall continuously furnish sufficient forces to ensure the prosecution of the Work in accordance with the Construction Schedule.

8.2.2 Performance During Working Hours

Work shall be performed during regular working hours as permitted by the appropriate governmental agency except that in the event of an emergency, or when required to complete the Work in accordance with job progress, Work may be performed outside of regular working hours with the advance written consent of the District and approval of any required governmental agencies.

8.2.3 Costs for After Hours Inspections

If the Work done after hours is required by the Contract Documents, a Recovery Schedule, or as a result of the Contractor's failure to plan, and inspection must be conducted outside the Inspector's regular working hours, the costs of any after hour inspections, shall be borne by the Contractor.

If the District allows the Contractor to do Work outside regular working hours for the Contractor's convenience, the costs of any inspections required outside regular working hours shall be invoiced to the Contractor by the District and a Deductive Change Order shall be issued from the next Progress Payment.

If the Contractor elects to perform Work outside the Inspector's regular working hours, costs of any inspections required outside regular working hours shall be invoiced to the Contractor by the District and a Deductive Change Order from the next Progress Payment as a Deductive Change Order.

8.3 PROGRESS AND COMPLETION

8.3.1 Time of the Essence

Time limits stated in the Contract Documents are of the essence to the Contract. By executing the Agreement, the Contractor confirms that the Contract Time is a reasonable period for performing the Work.

8.3.2 Baseline Schedule Requirements

8.3.2.1 *Timing:* Within ten (10) calendar days after Notice to Proceed, Contractor shall submit a practical schedule showing the order in which the Contractor proposes to perform the Work, and the dates on which the Contractor contemplates starting and completing the salient categories of the Work. This first schedule which outlines the Contractor's view of the practical way in which the Work will be accomplished is the Baseline Schedule. If the Contractor Fails to submit the Baseline Schedule within the ten (10) days noted, then District may withhold processing and approval of progress payments pursuant to Article 9.4 and 9.6.

8.3.2.2 *District Review and Approval:* District, Architect and CM will review both a paper and electronic copy of Baseline Schedule and may provide comments as noted in this Article and either approve or disapprove the Baseline Schedule. All Schedules shall be prepared using an electronic scheduling program acceptable to District. All Schedules shall be delivered in an electronic format usable by the District. All logic ties and electronic information shall be included in the electronic copy of the Baseline Schedule that is delivered to the District.

8.3.2.3 *Schedule Must Be Within the Given Contract Time.* The Baseline Schedule shall not exceed time limits set forth in the Contract Documents and shall comply with all of the scheduling requirements as set forth in the Specifications and Contract Documents.

8.3.2.4 *Submittals Must Be Incorporated (See Articles 3.7 and 3.9):* Contractor shall include Submittals as line items in the Baseline Schedule as required under Article 3.7.2 and 3.9.6. Submittals shall not delay the Work, Milestones, or the Completion Date. Failure to include Submittals in the Baseline Schedule shall be deemed a material breach by the Contractor.

8.3.2.5 *Float Must Be Incorporated.* The Baseline Schedule must indicate the beginning and completion of all phases of construction and shall use the “critical path method” (commonly called CPM) for the value reporting, planning and scheduling, of all Work required under the Contract Documents. The Baseline Schedule must incorporate all Milestones in the Project and apply Governmental Float at each Milestone in the Contractor’s discretion. The Baseline Schedule shall incorporate any Schedule provided by the District as part of the bid and shall note durations that will not be adequate or should be shortened based on Contractor’s review. These changes shall be identified and incorporated into Contractor’s Baseline Schedule as long as requested changes are made within 10 days after the District chooses to move forward with the Project. Scheduling is necessary for the District’s adequate monitoring of the progress of the Work and shall be prepared in accordance with the time frame described in this Article 8. The Architect may disapprove of any Schedule or require modification to it if, in the opinion of the Architect or District, adherence to the any Schedule prepared by the Contractor will not cause the Work to be completed in accordance with the Agreement.

8.3.2.6 *No Early Completion.* Contractor shall not submit any Schedule showing early completion without indicating float time through the date set for Project completion by District. Contractor’s Baseline Schedule shall account for all days past early completion as float which belongs to the Project. Usage of float shall not entitle Contractor to any delay Claim or damages due to delay.

8.3.2.7 *Use of Schedule Provided in Bid Documents.* In some cases, the bid will include a preliminary schedule indicating Milestones and construction sequences for the Project along with general timing for the Project. The preliminary schedule is not intended to serve as the Baseline Schedule utilized for construction. It is up to the Contractor to study and develop a Baseline Schedule to address the actual durations and sequences of Work that is anticipated while maintaining the Milestones provided by the District. Contract shall obtain information from Contractor’s Subcontractors and vendors on the planning, progress, delivery of equipment, coordination, and timing of availability of Subcontractors so a practical plan of Work is fully developed and represented in the Baseline Schedule.

8.3.2.8 *Incorrect Logic, Durations, Sequences, or Critical Path.* The District may reject or indicate durations, sequences, critical path or logic are not acceptable and request changes. The electronic copy of the Baseline Schedule shall have adequate information so logic ties, duration, sequences and critical path may be reviewed electronically. Contractor is to diligently rebuild and resubmit the Baseline Schedule to represent the Contractor’s plan to complete the Work and maintain Milestones at the

next progress meeting, or before the next progress meeting. If Contractor is not able to build a Baseline Schedule that is acceptable to the District or Architect, the District reserves the right to utilize the unapproved originally submitted Baseline Schedule (See Article 8.3.2.12) and the comments submitted to hold Contractor accountable for timely delivery of Work and maintenance of Milestones. Furthermore, Contractor's representations in the Baseline Schedule, if unacceptable, may also be used as a basis for termination of the Contract under Article 14 if Contractor fails to adequately maintain the Schedule and falls significantly behind without undertaking the efforts to either submit and follow a Recovery Schedule or fail to submit a Recovery Schedule and make no effort toward recovery on the Project.

8.3.2.9 *Contractor Responsibility Even if Schedule Issues Are Not Discovered.* Failure on the Part of the District to discover errors or omissions in any Schedules submitted shall not be construed to be an approval of the error or omission and any flawed Schedule is not grounds for a time extension.

8.3.2.9 Inclusions in Baseline Schedule. In addition to scheduling requirements set forth at Article 8.3.2, Contractor is specifically directed to include (broken out separately) in Contractor's Baseline Schedule and all Schedule updates, the following items required pursuant to these General Conditions, including but not limited to:

1. Rain Day Float (excluding inclement weather) as required under Article 8.1.4.2. For example, if the NOAA provides 22 days of Rain Days, all 22 days must be incorporated and noted in the Baseline Schedule. Further, any days required to clean-up or dry out shall be included for operations that are likely to require a clean-up or dry out period. Days that are not utilized shall be considered float owned by the Project.
2. Governmental Delay Float under Article 8.1.4.1. This Governmental Delay Float shall only be utilized for Governmental Delays and shall not be considered available float owned by the Project. This float shall only be distributed to the Project upon the completion of the Project and shall be used to offset Liquidated Damages and shall not generate compensable delays.
3. Submittal and Shop Drawing schedule under Article 3.9.
4. Deferred Approvals under Article 3.9.
5. Time for separate contractors, including furniture installation and start up activities, under Article 6.1.
6. Coordination and timing of any Drawings, approvals, notifications, permitting, connection, and testing for all utilities for the Project. (See Article 2.1.4).
7. Testing, special events, or school activities

8.3.2.10 *Failure to include Mandatory Schedule Items.* District may withhold payment pursuant to Articles 9.3, 9.4 and 9.6. In lieu of withholding payment for failure to include Mandatory Schedule Items, after the District or Architect has notified the Contractor of failure to meet the Baseline

Schedule or Updated Schedule requirements and provided a written notification of this failure and provided a written notice of Schedule preparation errors, and the Contractor fails to correct the noted deficiencies or the Contractor does not provide an updated Baseline Schedule correcting the deficiencies, then Contractor shall not be granted an extension of time for failure to obtain necessary items and approvals under Article 8.3.2 and for the time required for failure to comply with laws, building codes, and other regulations (including Title 24 of the California Code of Regulations). Contractor shall maintain all required Article 8.3.2 Schedule items in the Baseline Schedule and indicate any days that have been used as allowed in Article 8. If Contractor fails to include all Article 8.3.2 items in its Baseline Schedule or Schedule Updates and the District either utilizes an Unapproved Schedule under Article 8.3.2.12 or does not object to the inclusion of required scheduling items, then all mandatory Schedule inclusions, including float, shall be utilized in the District's discretion. If the Contract Time is exceeded, then Contractor shall be subject to the assessment of Liquidated Damages pursuant to Article 8.4.

8.3.2.11 *Failure to Meet Requirements.* Failure of the Contractor to provide proper Schedules as required by this Article and Article 9 is a material breach of the Contract and grounds for Termination pursuant to Article 14. The District, at its sole discretion, may choose, instead, to withhold, in whole or in part, any Progress Payments or Retention amounts otherwise payable to the Contractor.

8.3.2.12 *Use of an Unapproved Baseline Schedule.* If the Baseline Schedule submitted by the Contractor is unacceptable to the District (i.e. failing to meet the requirements of Article 8.3.2) and Contractor does not incorporate or address the written comments to the Baseline Schedule and a Baseline Schedule is not approved, but due to extreme necessity, the District moves forward without an approved Baseline Schedule, Contractor shall diligently revise and meet Schedule update requirements of Article 8 and incorporate all Article 8.3.2 comments in all updates). However, for purposes of Termination pursuant to Article 14, the unapproved Baseline Schedule initially submitted shall be treated as the Baseline Schedule with durations shortened or revised to accommodate all float, all mandatory Schedule requirements under Article 8.3.2, any requirements in the Contract Documents, and all revisions by the District or Architect.

8.3.3 Update Schedules

8.3.3.1 *Updates Shall Be Based on Approved Baseline Schedule.* Except in the case where there has not been agreement as to a Baseline Schedule, the approved Baseline Schedule shall be used to build future Schedule updates. Schedule updates shall be a CPM based Schedule consistent with the Baseline Schedule requirements of 8.3.2

In the case that no Baseline has been approved, Schedule updates shall be provided monthly and each update shall incorporate all comments and revisions noted as not complying with the requirements of Article 8.3.2. Contractor shall be held to the Article 8.3.2.12 unapproved Baseline Schedule, inclusive of all Milestones, float, comments and revisions by the District and Architect, all required Baseline Schedule Inclusions under Article 8.3.2, and any requirements in the Contract Documents.

8.3.3.2 *Schedule Updates.* Contractor shall update the approved Schedule each month to address actual start dates and durations, the percent complete on activities, actual completion dates, estimated remaining duration for the Work in progress, estimated start dates for Work scheduled to start at future times and changes in duration of Work items

8.3.3.3 *Listing of Items Causing Delays.* Schedule updates shall provide a listing of activities which are causing delay in the progress of Work and a narrative shall be provided showing a

description of problem areas, anticipated delays, and impacts on the Construction Schedule. Simply stating "District Delay" or "Architect Delay" shall be an inadequate listing. Delays shall only be listed if they meet the requirements of Article 8.4.

8.3.3.4 *Recovery Schedule.* In addition to providing a schedule update every thirty (30) days, the Contractor, if requested by the Architect or District, shall take the steps necessary to improve Contractor's progress and demonstrate to the District and Architect that the Contractor has seriously considered how the lost time, the Completion Date, or the Milestones that are required to be met within the terms of the Contract. Contractor shall immediately provide a Recovery Schedule showing how Milestones and the Completion Date will be met. In no case, shall a Recovery Schedule be provided later than ten (10) days following the request for a Recovery Schedule from the Architect or District.

- a. Failure to Provide a Recovery Schedule. Shall subject Contractor to the assessment of Liquidated Damages for failure to meet the Contract Time. Refusal or failure to provide a Recovery Schedule shall be considered a substantial failure of performance and a material breach of Contract and may result in Termination of the Contract pursuant to Article 14.
- b. Recovery Schedule Acceleration without Additional Cost. The District may require Contractor prepare a Recovery Schedule showing how the Project shall be accelerated, without any additional cost to the District. The District may order, without additional cost, the following:
 1. Increase the number of shifts;
 2. Utilize overtime to recover the approved Schedule; and/or
 3. Increase the days when Work occurs, including weekends, at the Project and at any manufacturer's plant.
- c. Recovery Schedule Acceleration without Additional Cost. If Contractor disputes that the Recovery Schedule acceleration shall be issued without additional costs, the Contractor shall submit concurrent with Recovery Schedule acceleration notice pursuant to Articles 8.4.3 and 8.4.4.

8.4 EXTENSIONS OF TIME - LIQUIDATED DAMAGES

8.4.1 Liquidated Damages

CONTRACTOR AND DISTRICT HEREBY AGREE THAT THE EXACT AMOUNT OF DAMAGES FOR FAILURE TO COMPLETE THE WORK WITHIN THE TIME SPECIFIED IS EXTREMELY DIFFICULT OR IMPOSSIBLE TO DETERMINE. IF THE WORK IS NOT SUBSTANTIALLY COMPLETED IN THE TIME SET FORTH IN THE AGREEMENT, IT IS UNDERSTOOD THAT THE DISTRICT WILL SUFFER DAMAGES. IT BEING IMPRACTICAL AND UNFEASIBLE TO DETERMINE THE AMOUNT OF ACTUAL DAMAGE, IT IS AGREED THE CONTRACTOR SHALL PAY TO THE DISTRICT THE AMOUNT LIQUIDATED DAMAGES SET FORTH IN THE AGREEMENT, FOR EACH CALENDAR DAY OF DELAY IN REACHING SUBSTANTIAL COMPLETION (SEE ARTICLE 1.1.46). CONTRACTOR AND ITS SURETY SHALL

BE LIABLE FOR THE AMOUNT THEREOF PURSUANT TO GOVERNMENT CODE SECTION 53069.85.

8.4.2 Delay

Except and only to the extent provided under Article 7 and Article 8, by signing the Agreement, Contractor agrees to bear the risk of delays to Completion of the Work and that Contractor's bid for the Project was made with full knowledge of this risk.

In agreeing to bear the risk of delays to complete the Work, Contractor understands that, except and only to the extent provided otherwise in Article 7 and 8, the occurrence of events that delay the Work shall not excuse Contractor from its obligation to achieve Completion of the Project within the Contract Time, and shall not entitle the Contractor to an adjustment to the Contract time.

8.4.3 Excusable Delay

Contractor shall not be charged for Liquidated Damages because of any delays in completion of Work which are not the fault or negligence of Contractor or its Subcontractors, arising from Rain Float or Project Float, including acts of God, as defined in Public Contract Code section 7105, acts of enemy, epidemics, pandemics, and quarantine restrictions. Any delays caused by acts of God, as defined in Public Contract Code section 7105, acts of enemy, epidemics, pandemics, quarantine restrictions, Project shutdowns, suspensions, or any orders issued a federal, state, local or other governmental authority (collectively, "Force Majeure Events") shall be deemed non-compensable excusable delays. Contractor shall within five (5) calendar days of beginning of any such delay notify District in writing of causes of delay; thereupon District shall ascertain the facts and extent of delay and grant extension of time for completing Work when, in its judgment, the findings of fact justify such an extension. Extensions of time shall apply only to that portion of Work affected by delay, and shall not apply to other portions of Work not so affected. An extension of time may only be granted after proper compliance with Article 8.3 requiring preparation and submission of a properly prepared CPM schedule.

8.4.3.1 *Excusable Delay Is Not Compensable.* No extended overhead, general conditions costs, impact costs, out-of-sequence costs or any other type of compensation, by any name or characterization, shall be paid to the Contractor for any delay to any activity not designated as a critical path item on the latest approved Project schedule or if caused by Force Majeure Events.

8.4.3.2 *Notification.* The Contractor shall notify the Architect in writing of any anticipated delay and its cause, in order that the Architect may take immediate steps to prevent, if possible, the occurrence or continuance of delay, and may determine whether the delay is to be considered avoidable or unavoidable, how long it continues, and to what extent the prosecution and completion of the Work might be delayed thereby.

8.4.3.3 *Extension Request.* In the event the Contractor requests an extension of Contract time for unavoidable delay, such request shall be submitted in accordance with the provisions in the Contract Documents governing changes in Work (See Article 7). When requesting time, i.e., extensions, for proposed Change Orders, they must be submitted with the proposed Change Order with full justification and documentation. If the Contractor fails to submit justification with the proposed Change Order it waives its right to a time extension at a later date. Such justification must be based on the official Contract schedule as updated at the time of occurrence of the delay or execution of Work related to any changes to the scope of Work. Blanket or general claims for extra days without specific detailed information as required herein

or a blanket or general reservation of rights do not fulfill the requirements of this Article and shall be denied. The justification must include, but is not limited to, the following information:

- a. The duration of the activity relating to the changes in the Work and the resources (manpower, equipment, material, etc.) required to perform these activities within the stated duration.
- b. Logical ties to the official Baseline Schedule or Approved Updated Schedule for the proposed changes and/or delay showing the activity/activities in the schedule whose start or completion dates are affected by the change and/or delay. (A fragnet of any delay of over ten (10) days must be provided.)

The Contractor and District understand and expressly agree that insofar as Public Contract Code section 7102 may apply to changes in the Work or delays under this Contract, the actual delays and damages, if any, and time extensions are intended to, and shall provide, the exclusive and full method of compensation for changes in the Work and construction delays.

8.4.4 Notice by Contractor Required

The Contractor shall within five (5) calendar days of beginning of any such delay notify the District in writing of causes of delay with justification and supporting documentation. In the case of a Recovery Schedule pursuant to Article 8.3.3.4, Contractor shall submit written notice concurrent with the Recovery Schedule. District will then ascertain the facts and extent of the delay and grant an extension of time for completing the Work when, in its judgment, the findings of fact justify such an extension. Extensions of time shall apply only to that portion of the Work affected by the delay and shall not apply to other portions of the Work not so affected.

Claims relating to time extensions shall be made in accordance with applicable provisions of Article 7.

8.4.4.1 *Adjustment for Compensable Delays.* The Schedule may be adjusted for a delay if, and only if, Contractor undertakes the following:

- a. Contractor submits a timely COR or CO pursuant to the requirements of Article 7.
- b. Contractor submits a fragnet showing the critical path delay caused by the COR, CO, Changed Condition, CCD, or ICD
- c. Contractor has addressed all required float days in the Fragnet.
- d. Contractor submits a complete breakdown of all costs incurred utilizing the format of Article 7.3.3

8.4.5 No Additional Compensation for Coordinating Governmental Submittals and the Resulting Work

CONTRACTOR HAS PLANNED ITS WORK AHEAD OF TIME AND IS AWARE THAT GOVERNMENTAL AGENCIES, SUCH AS THE GAS COMPANIES, ELECTRICAL UTILITY

COMPANIES, WATER DISTRICTS AND OTHER AGENCIES MAY HAVE TO APPROVE CONTRACTOR PREPARED DRAWINGS OR APPROVE A PROPOSED INSTALLATION. CONTRACTOR HAS INCLUDED DELAYS AND DAMAGES WHICH MAY BE CAUSED BY SUCH AGENCIES IN CONTRACTOR'S BID AND HAS INCLUDED ADEQUATE TIME IN THE CONTRACTOR'S BASELINE SCHEDULE. FAILURE TO ADEQUATELY PLAN AND SCHEDULE IS NOT A BASIS TO USE GOVERNMENTAL DELAY FLOAT.

8.4.6 District Right to Accelerate the Work

The District may direct the Contractor to meet schedule requirements when the Work has been delayed. The District shall compensate the Contractor for the additional costs incurred by acceleration to the extent that such costs are directly attributable to the acceleration and are incurred through no fault or negligence of the Contractor.

8.4.6.1 *Management of Acceleration.* Contractor acceleration shall not include Work that is part of the scope of Work detailed in the Plans and Specifications. Instead, the acceleration costs shall be premium or overtime and quantifiable additional work added to the Project meant to accelerate the Project. Contractor is directed to keep consistent crews on the Project so time can be tracked. If crews are circulated off the Project or crews brought in only for overtime, the District may be charged for Contract Work and not accelerated time. In such case, the District may object to the costs submitted.

8.4.6.2 *Costs for Acceleration.* Cost for Acceleration shall be supported by backup documentation, and time sheets signed by the Inspector for each day work has been performed, at or near the time when the Work was performed. A listing on the time sheet shall document all labor, materials and services utilized that day and provide areas of work, and amount of work performed. Contractor shall comply with submission requirements of Article 7.7.

**ARTICLE 9
PAYMENTS AND COMPLETION**

9.1 CONTRACT SUM

The Contract Sum or Contract Price is stated in the Agreement and, including authorized adjustments, is the total amount payable by the District to the Contractor for performance of the Work under the Contract Documents.

9.2 COST BREAKDOWN

9.2.1 Required Information

Contractor shall furnish the following:

- a. Within ten (10) days after Notice to Proceed, a detailed breakdown of the Contract Price (hereinafter "Schedule of Values") for each Project, Site, building, Milestone or other meaningful method to measure the level of Project Completion as determined by the District shall be submitted as a Submittal for the Project.;
- b. Within ten (10) days after the date of the Notice to Proceed, a schedule of estimated monthly payment requests due the Contractor showing the values and construction time of the various portions of the Work to be performed by it and by its Subcontractors or material and equipment suppliers containing such supporting evidence as to its correctness as the District may require;
- c. Within ten (10) days after the date of the Notice to Proceed, address, telephone number, telecopier number, California State Contractors License number, classification and monetary value of all subcontracts for parties furnishing labor, material, or equipment for completion of the Project.

9.2.2 Information and Preparation of Schedule of Values

9.2.2.1 *Break Down of Schedule of Values.* Schedule of Values shall be broken down by Project, site, building, Milestone, or other meaningful method to measure the level of Project Completion as determined by the District.

9.2.2.2 *Based on Contractor Bid Costs.* The Schedule of Values shall be based on the costs from Contractor's bid to the District. However, the submission of the Schedule of Values shall not be front loaded so the Contractor is paid a greater value than the value of the Work actually performed and shall not shift funds from parts of the Project that are later to Work that is performed earlier.

9.2.2.3 Largest Dollar Value for Each Line Item. Identify Subcontractors and materials suppliers proposed to provide portions of Work equal to or greater than ten thousand dollars (\$10,000) or one-half of one percent (0.5%) of their Contract Price, whichever is less.

9.2.2.4 *Allowances.* Any Allowances provided for in the Contract shall be a line item in the Schedule of Values.

9.2.2.5 *Labor and Materials Shall Be Separate.* Labor and Materials shall be broken into two separate line items unless specifically agreed in writing by the District.

9.2.3 District Approval Required

The District shall review all submissions received pursuant to Article 9.2 in a timely manner. All submissions must be approved by the District before becoming the basis of any payment.

9.3 PROGRESS PAYMENTS

9.3.1 Payments to Contractor

Unless there is a resolution indicating that the Work for the Project is substantially complex, within thirty-five (35) days after approval of the Request for Payment, Contractor shall be paid a sum equal to ninety-five percent (95%) of the value of the Work performed (as certified by Architect and Inspector and verified by Contractor) up to the last day of the previous month, less the aggregate of previous payments. In the case of a Project designated substantially complex, the sum paid to the Contractor shall be equal to ninety percent (90%) of the value of the Work performed (as certified by the Architect and Inspector and verified by Contractor). The value of the Work completed shall be the Contractor's best estimate. Work completed as estimated shall be an approximation or estimate only and no mistake, inaccuracy, error or falsification in said any approved estimate shall operate to release the Contractor, or any Surety upon any bond, from damages arising from such Work, or from the District's enforcement of each and every provision of this Contract including but not limited to the Performance Bond and Payment Bond. The District shall have the right to subsequently to correct any mistake, inaccuracy, error or falsification made or otherwise set forth in any approved Request for Payment and such correction may occur in any future Payment Application or in the Retention Payment to the Contractor. No Surety upon any bond shall be relieved, released or exonerated of its obligations under this Contract or any applicable bond when the District is unable to correct an overpayment to the Contractor due to any abandonment by the Contractor or termination by the District.

The Contractor shall not be entitled to have any payment requests processed, or be entitled to have any payment made for Work performed, so long as any lawful or proper direction given by the District concerning the Work, or any portion thereof, remains incomplete.

Notwithstanding anything to the contrary stated above, the Contractor may include in its Request for Payment the value of any structural steel, glue laminated beams, trusses, bleachers and other such custom-made materials prepared specifically for the Project and unique to the Project so long as all of the following requirements are satisfied:

- a. The aggregate cost of materials stored off-site shall not exceed Twenty Five Thousand Dollars (\$25,000) at any time or as otherwise agreed to be District in writing;
- b. Title to such materials shall be vested in the District as evidenced by documentation satisfactory in form and substance to the District, including, without limitation, recorded financing statements, UCC filings and UCC searches;
- c. With each Contractor Request for Payment, the Contractor shall submit to the District a written list identifying each location where materials are stored off-site

(which must be a bonded warehouse) and the value of the materials at each location. The Contractor shall procure insurance satisfactory to the District (in its reasonable discretion) for materials stored off-site in an amount not less than the total value thereof;

- d. The consent of any Surety shall be obtained to the extent required prior to payment for any materials stored off-site;
- e. Representatives of the District shall have the right to make inspections of the storage areas at any time; and
- f. Such materials shall be: (1) protected from diversion, destruction, theft and damage to the reasonable satisfaction of the District; (2) specifically marked for use on the Project; and (3) segregated from other materials at the storage facility.

9.3.2 Purchase of Materials and Equipment and Cost Fluctuations

The Contractor is required to order, obtain, and store materials and equipment sufficiently in advance of its Work at no additional cost or advance payment from District to assure that there will be no delays. Contractor understands that materials fluctuate in value and shall have adequately addressed market fluctuations through agreements with Contractor vendors or by other means. Contractor further understands and incorporates into Contractor's bid cost any wage rate increases during the Project for the Contractor's labor force as well as all other Subcontractor and vendor labor forces. District shall not be responsible for market fluctuations in costs or labor rate increases during the Project. Contractor further has incorporated any and all cost increases in areas of Work where there may be schedule variations so that cost increases are not passed through to the District.

9.3.3 No Waiver

No payment by District hereunder shall be interpreted so as to imply that District has inspected, approved, or accepted any part of the Work. Contractor specifically understands that Title 24 Section 4-343 which states:

“It is the duty of the contractor to complete the work covered by his or her contract in accordance with the approved Plans and Specifications therefore. The contractor in no way is relieved of any responsibility by the activities of the Architect, Engineer, Inspector or DSA in the performance of such duties... In no case, however, shall the instruction of the Architect or registered Engineer be construed to cause work to be done with is not in conformity with the approved Plans, Specifications, and change orders...”

Notwithstanding any payment, the District may enforce each and every provision of this Contract which includes, but is not limited to, the Performance Bond and Payment Bond. The District may correct any error subsequent to any payment. In no event shall the Contractor or the Surety be released or exonerated from performance under this Contract when the District overpays the Contractor based upon any mistake, inaccuracy, error or falsification in any estimate that is included in any Request for Payment.

9.3.4 Issuance of Certificate of Payment

The Architect shall, within seven (7) days after receipt of the Contractor's Application for Payment, either approve such payment or notify the Contractor in writing of the Architect's reasons for withholding approval in whole or in part as provided in Article 9.6. The review of the Contractor's Application for Payment by the Architect is based on the Architect's observations at the Project and the data comprising the Application for Payment that the Work has progressed to the point indicated and that, to the best of the Architect's knowledge, information, and belief, the quality of the Work is in accordance with the Contract Documents. In some cases, the Architect may act upon or rely on the evaluation of the Work by the Inspector. This review of Payment Applications is sometimes called a "Pencil Draft." District's return of a Pencil Draft shall constitute the District's dispute of the Payment Application that has been submitted. Contractor shall promptly respond to Pencil Drafts or Contractor's Payment Applications may be delayed. Contractor's failure to promptly respond to a Pencil Draft shall qualify as a delay in the prompt payment of a Request for Payment or Request for Retention. The foregoing representations are subject to: (1) an evaluation of the Work for conformance with the Contract Documents, (2) results of subsequent tests and inspections, (3) minor deviations from the Contract Documents correctable prior to completion, and (4) specific qualifications expressed by the Architect. The issuance of a Certificate for Payment will further constitute the Contractor's verified representation that the Contractor is entitled to payment in the amount certified.

9.3.5 Payment of Undisputed Contract Payments

In accordance with Public Contract Code section 7100, payments by the District to the Contractor for any and all undisputed amounts (including all Progress Payments, Final Payments or Retention Payment) is contingent upon submission of a proper and accurate Payment Application and the Contractor furnishing the District with a release of all Claims against the District related to such undisputed amounts. Disputed Contract Claims in stated amounts may be specifically excluded by the Contractor from the operation of the release. If, however, the Contractor specifically excludes any Claims, the Contractor shall provide details such as a specific number of disputed days or costs of any such exclusion in accordance with Articles 4.6 and 7.7.

9.4 APPLICATIONS FOR PROGRESS PAYMENTS

9.4.1 Procedure

9.4.1.1 *Application for Progress.* On or before the fifth (5th) day of each calendar month during the progress of the Work, Contractor shall submit to the Architect an itemized Application for Progress Payment for operations completed. Such application shall be notarized, if required, and supported by the following or such portion thereof as Architect requires:

1. The amount paid to the date of the Payment Application to the Contractor, to all its Subcontractors, and all others furnishing labor, material, or equipment for its Contract;
2. The amount being requested under the Payment Application by the Contractor on its own behalf and separately stating the amount requested on behalf of each of the Subcontractors and all others furnishing labor, material, and equipment under the Contract;
3. The balance that will be due to each of such entities after said payment is made;

4. A certification that the As-Built Drawings and Annotated Specifications are current;
5. Itemized breakdown of Work done for the purpose of requesting partial payment;
6. An updated or approved Baseline Schedule or other Schedule updates in conformance with Article 8;
7. Failure to submit an updated Schedule for the month or any previous month;
8. The additions to and subtractions from the Contract Price and Contract Time;
9. A summary of the Retention held;
10. Material invoices, evidence of equipment purchases, rentals, and other support and details of cost as the District may require from time to time;
11. The percentage of completion of the Contractor's Work by line item;
12. An updated Schedule of Values from the preceding Application for Payment;
13. Prerequisites for Progress Payments; and
14. Any other information or documents reasonably requested by the District, Architect, Inspector or CM (if applicable).

9.4.1.2 *First Payment Request.* The following items, if applicable, must be completed before the first payment request will be accepted for processing:

1. Installation of the Project sign;
2. Receipt by Architect of Submittals;
3. Installation of field office;
4. Installation of temporary facilities and fencing;
5. Submission of documents listed in the Article 9.2 relating to Contract Price breakdown;
6. Preliminary schedule analysis, due within 10 days after Notice to Proceed;
7. Contractor's Baseline Schedule (to be CPM based in conformance with Article 8);
8. Schedule of unit prices, if applicable;
9. Submittal Schedule;

10. Copies of necessary permits;
11. Copies of authorizations and licenses from governing authorities;
12. Initial progress report;
13. Surveyor qualifications;
14. Written acceptance of District's survey of rough grading, if applicable;
15. List of all Subcontractors, with names, license numbers, telephone numbers, and scope of work;
16. All bonds and insurance endorsements; and
17. Resumes of General Contractor's Project Manager, and if applicable, job site secretary, record documents recorder, and job site Superintendent.

9.4.1.3 *Second Payment Request.* The second payment request will not be processed until all Submittals and Shop Drawings have been accepted for review by the Architect.

9.4.1.4 *All Payment Requests.* No payment requests will be processed unless Contractor has submitted copies of the certified payroll records for the Work which correlates to the payment request and a proper CPM schedule pursuant to Article 8 is submitted.

9.4.1.5 *Final Payment Application (90% or 95%).* See Article 9.11.1

9.4.1.6 *Final Payment Application (100%).* See Article 9.11.3

9.5 STOP NOTICE CLAIMS AND WARRANTY OF TITLE

The Contractor warrants title to all Work. The Contractor further warrants that all Work is free and clear of liens, claims, security interests, stop notices, or encumbrances in favor of the Contractor, Subcontractors, material and equipment suppliers, or other persons or entities making a claim by reason of having provided labor, materials, and equipment relating to the Work. Failure to keep work free of liens, stop notices, claims, security interests or encumbrances is grounds to make a claim against Contractor's Payment and Performance Bond to immediately remedy and defend.

If a lien or stop notice of any nature should at any time be filed against the Work or any District property, by any entity which has supplied material or services at the request of the Contractor, Contractor and Contractor's Surety shall promptly, on demand by District and at Contractor's and Surety's own expense, take any and all action necessary to cause any such lien or stop notice to be released or discharged immediately therefrom.

If the Contractor fails to furnish to the District within ten (10) calendar days after written demand by the District, satisfactory evidence that a lien or stop notice has been so released, discharged, or secured, then District may discharge such indebtedness and deduct the amount required therefor, together with any and all losses, costs, damages, and attorney's fees and expense incurred or suffered by District from any

sum payable to Contractor under the Contract. In addition, any liens, stop notices, claims, security interests or encumbrances shall trigger the indemnification requirements under Article 3.15 and the Agreement Form, and shall act as a trigger under Civil Code section 2778 and 2779 requiring reimbursement for any and all costs following the District's written demand has been made. Any withholdings by the District for stop notices in accordance with Civil Code section 9358 shall not be a basis by the Contractor to make a Claim for interest penalties under Public Contract Code sections 7107 or 20104.50.

9.6 DECISIONS TO WITHHOLD PAYMENT

9.6.1 Reasons to Withhold Payment

The District may withhold payment in whole, or in part, to the extent reasonably necessary to protect the District if, in the District's opinion, the representations to the District required by Article 9.4 cannot be made. The District may withhold payment, in whole, or in part, to such extent as may be necessary to protect the District from loss because of, but not limited to:

- a. Defective Work not remedied;
- b. Stop notices served upon the District;
- c. Liquidated Damages assessed against the Contractor;
- d. The cost of Completion of the Contract if there exists reasonable doubt that the Work can be completed for the unpaid balance of any Contract Price or by the completion date;
- e. Damage to the District or other contractor;
- f. Unsatisfactory prosecution of the Work by the Contractor;
- g. Failure to store and properly secure materials;
- h. Failure of the Contractor to submit on a timely basis, proper and sufficient documentation required by the Contract Documents, including, without limitation, acceptable monthly progress schedules, Shop Drawings, Submittal schedules, Schedule of Values, Product Data and samples, proposed product lists, executed Change Order, Construction Change Documents, and verified reports;
- i. Failure of the Contractor to maintain As-Built Drawings;
- j. Erroneous estimates by the Contractor of the value of the Work performed, or other false statements in an Payment Application;
- k. Unauthorized deviations from the Contract Documents (including but not limited to Unresolved Notices of Deviations (DSA Form 154));

- l. Failure of the Contractor to prosecute the Work in a timely manner in compliance with established progress schedules and completion dates.
- m. Failure to properly pay prevailing wages as defined in Labor Code section 1720, et seq.;
- n. Failure to properly maintain or clean up the Site;
- o. Payments to indemnify, defend, or hold harmless the District;
- p. Any payments due to the District including but not limited to payments for failed tests, or utilities changes or permits;
- q. Failure to submit an acceptable Baseline Schedule or any Schedule or Schedule update in accordance with Article 8;
- r. Failure to pay Subcontractor or suppliers as required by Article 9.8.1
- s. Failure to secure warranties, including the cost to pay for warranties;
- t. Failure to provide releases from material suppliers or Subcontractors when requested to do so;
- u. Items deducted pursuant to Article 2.2;
- v. Incomplete Punch List items under Article 9.9.1.1 which have gone through the Article 2.2 process; or
- w. Allowances that have not been used.

9.6.2 Reallocation of Withheld Amounts

District may, in its discretion, apply any withheld amount to payment of outstanding claims or obligations as defined in Article 9.6.1 and 9.5. In so doing, District shall make such payments on behalf of Contractor. If any payment is so made by District, then such amount shall be considered as a payment made under Contract by District to Contractor and District shall not be liable to Contractor for such payments made in good faith. Such payments may be made without prior judicial determination of claim or obligation. District will render Contractor an accounting of such funds disbursed on behalf of Contractor.

If Contractor defaults or neglects to carry out the Work in accordance with the Contract Documents or fails to perform any provision thereof, District may, after ten (10) calendar days written notice to the Contractor and without prejudice to any other remedy make good such deficiencies. The District shall adjust the total Contract price by reducing the amount thereof by the cost of making good such deficiencies. If District deems it inexpedient to correct Work which is damaged, defective, or not done in accordance with Contract provisions, an equitable reduction in the Contract Price (of at least 150% of the estimated reasonable value of the nonconforming Work) shall be made therefor.

9.6.3 Payment After Cure

When the grounds for declining approval are removed, payment shall be made for amounts withheld because of them. No interest shall be paid on any retainage or amounts withheld due to the failure of the Contractor to perform in accordance with the terms and conditions of the Contract Documents.

9.7 NONCONFORMING WORK

Contractor shall promptly remove from premises all Work identified by District as failing to conform to the Contract whether incorporated or not. Contractor shall promptly replace and re-execute its own Work to comply with the Contract without additional expense to District and shall bear the expense of making good all Work of other contractors destroyed or damaged by such removal or replacement.

If Contractor does not remove such Work which has been identified by District as failing to conform to the Contract Documents within a reasonable time, fixed by written notice, District may remove it and may store the material at Contractor's expense. If Contractor does not pay expenses of such removal within ten (10) calendar days' time thereafter, District may, upon ten (10) calendar days' written notice, sell such materials at auction or at private sale and shall account for net proceeds thereof, after deducting all costs and expenses that should have been borne by Contractor.

9.8 SUBCONTRACTOR PAYMENTS

9.8.1 Payments to Subcontractors

No later than ten (10) days after receipt, or pursuant to Business and Professions Code section 7108.5, the Contractor shall pay to each Subcontractor, out of the amount paid to the Contractor on account of such Subcontractor's portion of the Work, the amount to which said Subcontractor is entitled. The Contractor shall, by appropriate agreement with each Subcontractor, require each Subcontractor to make payments to Sub-subcontractors in a similar manner.

9.8.2 No Obligation of District for Subcontractor Payment

The District shall have no obligation to pay, or to see to the payment of, money to a Subcontractor except as may otherwise be required by law.

9.8.3 Payment Not Constituting Approval or Acceptance

An approved Request for Payment, a progress payment, a Certificate of Substantial Completion, or partial or entire use or occupancy of the Project by the District shall not constitute acceptance of Work that is not in accordance with the Contract Documents.

9.8.4 Joint Checks

District shall have the right, if necessary for the protection of the District, to issue joint checks made payable to the Contractor and Subcontractors and material or equipment suppliers. The joint check payees shall be responsible for the allocation and disbursement of funds included as part of any such joint payment. In no event shall any joint check payment be construed to create any contract between the District and a Subcontractor of any tier, any obligation from the District to such Subcontractor, or rights in such Subcontractor against the District. The District may choose to issue joint checks at District's sole

discretion and only after all the requirements of that particular school district and county are specifically met. Some school districts cannot issue joint checks, so the ability to issue joint checks depends on the school district and the specific circumstances.

9.9 COMPLETION OF THE WORK

9.9.1 Close-Out Procedures

9.9.1.1 *Incomplete Punch Items.* When the Contractor considers the Work Substantially Complete (See Article 1.1.46 for definition of Substantially Complete), the Contractor shall prepare and submit to the District a comprehensive list of minor items to be completed or corrected (hereinafter “Incomplete Punch Items” or “Punch List”). The Contractor and/or its Subcontractors shall proceed promptly to complete and correct the Incomplete Punch Items listed. Failure to include an item on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents. Contractor is aware that Title 24 Section 4-343(a) provides:

“RESPONSIBILITIES. IT IS THE DUTY OF THE CONTRACTOR TO COMPLETE THE WORK COVERED BY HIS OR HER CONTRACT IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS THEREFOR. THE CONTRACTOR IN NO WAY IS RELIEVED OF ANY RESPONSIBILITY BY THE ACTIVITIES OF THE ARCHITECT, ENGINEER, INSPECTOR OR DSA IN THE PERFORMANCE OF SUCH DUTIES.

9.9.1.2 *Punch List Is Prepared Only After the Project Is Substantially Complete.* If any of the conditions noted in Article 1.1.46 as defining Substantial Completion are not met, the Inspector, Architect or District may reject Contractor’s Incomplete Punch Items as premature. If the Architect and Inspector commence review of Incomplete Punch Items, all rights are reserved until the Project actually meets the definition of Substantially Complete. Liquidated Damages, warranties, and other contractual rights are not affected by Incomplete Punch Items unless otherwise addressed in these General Conditions.

Once the Inspector and the Architect determine the Project is Substantially Complete, a Certificate of Substantial Completion shall be issued. The Inspector and Architect shall prepare a Punch List of items which is an inspection report of the Work, if any, required in order to complete the Contract Documents and ensure compliance with the DSA Approved Plans so the Project may be Completed by the Contractor and a final DSA Close-Out is approved. When all Work for the Project is Complete, including Punch Lists and all Work complies with the approved Contract Documents and Change Orders, the Project has reached Final Completion.

9.9.1.3 *Time for Completion of Punch List.* Contractor shall only be given a period of no more than thirty (30) days to complete the Punch List for the Project. During the Punch List period, the Contractor’s Superintendent and Project Manager shall remain engaged in the Project and shall not be removed or replaced. If the Punch List is not completed at the end of the Punch List time then Contractor shall issue a valued Punch List within 5 days after the date the Punch List time ends. If Contractor does not issue such a list, the District or Architect may issue a valued Punch List to the Contractor and withhold up to 150% of the value of the Punch List Work pursuant to Article 2.2 of this Agreement.

Failure to issue a timely written request for additional time to complete Punch List shall result in the deletion of the remaining Punch List Work pursuant to Article 2.2 and the issuance of a Deductive Change Order.

- a. Extension of Time to Complete Punch List. If Contractor cannot finish the Punch List Work during the time period allotted under Article 9.9.1.3, the Contractor may make a written request for a Non-Compensable Punch List time extension accompanied by an estimate of the number of additional days it will take to complete the Punch List Work for a written consent from the District to allow continued Punch List Work. Punch List time extensions are a maximum of thirty (30) days for each request and must be accompanied by an itemized valued Punch List.
- b. If there is no valued Punch List accompanying any request or if Contractor intends to undertake Punch List without the continued support and supervision of its Superintendent and Project Manager (as required under Article 3.2), the District, Construction Manager or Architect may issue a valued Punch List, reject the Punch List Time Extension and deduct 150% of the valued Punch List pursuant to Article 2.2 and proceed to Close-Out the Project. Contractor shall cease work on the Project and proceed to complete Contractor's Retention Payment Application and complete the Work for the Project required pursuant to Article 9.11.3.

9.9.1.4 *District Rejection of Written Request for Punch List Time Extensions.* Following sixty (60) Days of Punch List under Article 9.9.1.3, the District has the option of rejecting Punch List Time Extension requests. The District may proceed under Article 2.2 and deduct the value of remaining Punch List Work pursuant to Article 2.2. If the District rejects the Punch List Time Extension request then Contractor shall cease Work on the Project and proceed to Final Inspection pursuant to Article 9.11.2.

9.9.1.5 *Punch List Liquidated Damages to Compensate for Added District Project Costs.* If the total time utilized for Punch List exceeds sixty (60) days [the thirty (30) day period under Article 9.9.1.3 plus an additional thirty (30) day period that has been requested in writing], and the District grants an additional written Punch List Time Extension that exceeds sixty (60) days of Punch List, then Contractor shall be charged Liquidated Damages of at least \$750 per day for continued Punch List Work to partially compensate the Inspector, Architect, and Construction Manager's extended time on the Project. This Punch List Liquidated Damage number is based on anticipated cost for an Inspector on site and additional costs for the Architect and Construction Manager to reinspect Punch List items and perform the administration of the Close-out.

Contractor received thirty (30) days without any charges for Punch List Liquidated Damages and is placed on notice pursuant to this Article 9.9.1.5 that \$750 is due for each day of Punch List that exceeds sixty (60) days at \$750, a cost much lower than typical (and actual) costs for Inspection, Architect and Construction Manager time required during Punch List. Starting at ninety (90) days of Punch List (an excessive number of days to complete Punch List), the District shall be entitled to adjust Punch List Liquidated Damages to an estimate of the actual costs incurred to oversee, monitor and inspect the Punch List. If costs exceed \$750 per day, the anticipated extended contract charges for Inspection, Architect, Construction Manager, and any other costs that will be incurred due to the extended Punch List shall be itemized and a daily rate of Punch List Liquidated Damages shall be presented in writing to the Contractor within five (5) days following the receipt of a written request for Punch List Time Extension by the Contractor that extends the Punch List time beyond ninety (90) days. This written notice of actual Punch List Liquidated Damages may be provided to the Contractor at any time following the first written request for Punch List Time extension requested under Article 9.9.1.3. The adjusted actual Punch List Liquidated

Damage amount shall be applicable as Punch List Liquidated Damages commencing on the ninetieth (90th) day of Punch List.

9.9.2 Close-Out Requirements for Final Completion of the Project

- a. Utility Connections. Buildings shall be connected to water, gas, sewer, and electric services, complete and ready for use. Service connections shall be made and existing services reconnected
- b. As-Builts Up to Date and Complete. The intent of this procedure is to obtain an exact “As-Built” record of the Work upon completion of the project. The following information shall be carefully and correctly drawn on the prints and all items shall be accurately located and dimensioned from finished surfaces of building walls on all As-Built Drawings
 1. The exact location and elevations of all covered utilities, including valves, cleanouts, etc. must be shown on As-Built Drawings
 2. Contractor is liable and responsible for inaccuracies in As-Built Drawings, even though they become evident at some future date.
 3. Upon completion of the Work and as a condition precedent to approval of Retention Payment, Contractor shall obtain the Inspector’s approval of the “As-Built” information. When completed, Contractor shall deliver corrected sepias and/or a Diskette with an electronic file in a format acceptable to the District.
 4. District may withhold the cost to hire a draftsman and potholing and testing service to complete Record As-Built Drawings at substantial cost if the Contractor does not deliver a complete set of Record As-Built Drawings. This shall result in withholding of between \$10,000 to \$20,000 per building that does not have a corresponding Record As Built Drawing.
- c. Any Work not installed as originally indicated on Drawings
- d. All DSA Close-Out requirements (See DSA Certification Guide) Contractor is also specifically directed to Item 3.2 in the DSA Certification Guide and the applicable certificates for the DSA-311 form.
- e. Submission of Form 6-C. Contractor shall be required to execute a Form 6-C as required under Title 24 Sections 4-343. The Contractor understands that the filing with DSA of a Form 6-C is a requirement to obtain final DSA Approval of the construction by Contractor and utilized to verify under penalty of perjury that the Work performed by Contractor complies with the DSA approved Contract Documents. The failure to file a DSA Form 6C has two consequences. First, the Construction of the Project will not comply with the design immunity provisions of Government Code section 830.6 and exposes the District and the individual Board members to personal liability for injuries that occur on the Project.

Secondly, under DSA IR A-20, since the Project cannot be Certified by DSA, no future or further Projects will be authorized so Contractor will have essentially condemned the campus from any future modernization or addition of new classrooms through their failure to file the DSA Form 6C.

1. *Execution of the DSA Form 6-C is Mandatory.* Refusal to execute the Form 6-C, which is a Final DSA Verified Report that all Work performed complies with the DSA approved Contract Documents is a violation of Education Code section 17312 and shall be referred to the Attorney General for Prosecution.
 2. *Referral to the District Attorney for Extortion.* If the Contractor's refusal to execute the DSA Form 6C is to leverage a Dispute, Claim or litigation, then the matter shall also be referred to the District Attorney for prosecution for extortion.
 3. *Contractor shall be Responsible for All Costs to Certify the Project.* The District may certify the Project complies with Approved Plans and Specifications by utilizing the procedures under the Project Certification Guide (located at the DSA website). All costs for professionals, inspection, and testing required for an alternate Project Certification shall be the Contractor's responsibility and the District reserves its right to institute legal action against the Contractor and Contractor's Surety for all costs to certify the Project and all costs to correct Non-Compliant Work that is discovered during the Alternate Certification Process.
- f. ADA Work that must be corrected to receive DSA certification. See Article 12.2.
- g. Maintenance Manuals. At least thirty (30) days prior to final inspection, three (3) copies of complete operations and maintenance manuals, repair parts lists, service instructions for all electrical and mechanical equipment, and equipment warranties shall be submitted. All installation, operating, and maintenance information and Drawings shall be bound in 8½" x 11" binders. Provide a table of contents in front and all items shall be indexed with tabs. Each manual shall also contain a list of Subcontractors, with their addresses and the names of persons to contact in cases of emergency. Identifying labels shall provide names of manufactures, their addresses, ratings, and capacities of equipment and machinery.
1. Maintenance manuals shall also be delivered in electronic media for the Project. Any demonstration videos shall also be provided on electronic media.
- h. Inspection Requirements. Before calling for final inspection, Contractor shall determine that the following Work has been performed:
1. The Work has been completed;
 2. All fire/ life safety items are completed and in working order;

3. Mechanical and electrical Work complete, fixtures in place, connected and tested;
4. Electrical circuits scheduled in panels and disconnect switches labeled;
5. Painting and special finishes complete;
6. Doors complete with hardware, cleaned of protective film relieved of sticking or binding and in working order;
7. Tops and bottoms of doors sealed;
8. Floors waxed and polished as specified;
9. Broken glass replaced and glass cleaned;
10. Grounds cleared of Contractor's equipment, raked clean of debris, and trash removed from Site;
11. Work cleaned, free of stains, scratches, and other foreign matter, replacement of damaged and broken material;
12. Finished and decorative work shall have marks, dirt and superfluous labels removed;
13. Final cleanup, as in Article 3.12;
14. All Work pursuant to Article 9.11.2; and
15. Furnish a letter to District stating that the District's Representative or other designated person or persons have been instructed in working characteristics of mechanical and electrical equipment.

9.9.3 Costs of Multiple Inspections

More than two (2) requests of the District to make inspections required under Article 9.9.1 shall be considered an additional service of Architect, Inspector, Engineer or other consultants shall be the Contractor's responsibility pursuant to Article 4.5 and all subsequent costs will be prepared as a Deductive Change Order.

9.10 PARTIAL OCCUPANCY OR USE

9.10.1 District's Rights

The District may occupy or use any completed or partially completed portion of the Work at any stage. The District and the Contractor shall agree in writing to the responsibilities assigned to each of them for payments, security, maintenance, heat, utilities, damage to the Work, insurance, the period for correction of the Work, and the commencement of warranties required by the Contract Documents. If District and Contractor cannot agree as to responsibilities such disagreement shall be resolved pursuant to

Article 4.6. When the Contractor considers a portion complete, the Contractor shall prepare and submit a Punch List to the District as provided under Article 9.9.1.

9.10.2 Inspection Prior to Occupancy or Use

Immediately prior to such partial occupancy or use, the District, the Contractor, and the Architect shall jointly inspect the area to be occupied or portion of the Work to be used in order to determine and record the condition of the Work.

9.10.3 No Waiver

Unless otherwise agreed upon, partial occupancy or use of a portion or portions of the Work shall not constitute acceptance of Work not complying with the requirements of the Contract Documents.

9.11 COMPLETION AND FINAL PAYMENT

9.11.1 Final Payment (90% Billing if Substantially Complex Finding and 95% Billing If No Finding Is Made)

The following items must be completed before the Final Payment Application will be accepted for processing at Substantial Completion of the Project:

- a. Inspector sign-off of each item in the DSA 152 Project Inspection Card;
- b. The Project has reached the Punch List items under Article 9.9.1.2 and the Project has been determined to be Substantially Complete under Article 1.1.46;
- c. Removal of temporary facilities and services;
- d. Testing, adjusting and balance records are complete;
- e. Removal of surplus materials, rubbish, and similar elements;
- f. Changeover of door locks;
- g. Deductive items pursuant to Article 9.6 and Article 2.2; and
- h. Completion and submission of all final Change Orders for the Project.

9.11.2 Final Inspection (Punch List Completion)

Contractor shall comply with Punch List procedures under Article 9.9.1.1, and maintain the presence of Project Superintendent and Project Manager (not replacement project superintendent or project manager) until the Punch List is complete to ensure proper and timely completion of the Punch List. Under no circumstances shall Contractor demobilize its forces prior to completion of the Punch List.

Upon completion of the Work under Article 9.9.1, the Contractor shall notify the District and Architect, who shall again inspect such Work. If the Architect and the District find the Work contained in the Punch List acceptable under the Contract Documents, the Work shall have reached Final Completion.

Architect shall notify Contractor, who shall then submit to the Architect its Application for Retention Payment. This Application for Retention Payment shall contain any deductions under Article 9.6, including but not limited to incomplete Punch List items under Article 9.9.1.

Upon receipt and approval of Application for Retention Payment, the Architect shall issue a Form 6 stating that to the best of its knowledge, information, and belief, and on the basis of its observations, inspections, and all other data accumulated or received by the Architect in connection with the Work, such Work has been completed in accordance with the Contract Documents. The District shall thereupon inspect such Work and either accept the Work as complete or notify the Architect and the Contractor in writing of reasons why the Work is not complete. Upon acceptance of the Work of the Contractor as fully complete (which, absent unusual circumstances, will occur when the Punch List items have been satisfactorily completed), the District shall record a Notice of Completion with the County Recorder, and the Contractor shall, upon receipt of payment from the District, pay the amounts due Subcontractors.

If the Architect and the District find that the Work contained in the Punch List is unacceptable, then Contractor shall issue a valued Punch List within 5 days after the date the Punch List time ends. If Contractor does not issue such a list, the District or Architect may issue a valued Punch List to the Contractor and withhold up to 150% of the value of the Punch List Work pursuant to Article 2.2 of this Agreement.

9.11.3 Retainage (100% Billing for the Entire Project)

The retainage, less any amounts disputed by the District or which the District has the right to withhold pursuant to the Contract Documents (including but not limited to incomplete Punch List items under Article 9.9.1), shall be paid after approval by the District of the Application for Retention Payment, after the satisfaction of the conditions set forth in Article 9, the Final Inspection under Article 9.11.2 is completed, and after thirty-five (35) days after the acceptance of the Work and recording of the Notice of Completion by District. No interest shall be paid on any retainage, or on any amounts withheld due to a failure of the Contractor to perform, in accordance with the terms and conditions of the Contract Documents, except as provided to the contrary in any escrow agreement between the District and the Contractor.

- a. Procedures for Application for Retention Payment. The following conditions must be fulfilled prior to release of Retention Payment:
1. A full and final waiver or release of all stop notices in connection with the Work shall be submitted by Contractor, including a release of stop notice in recordable form, together with (to the extent permitted by law) a copy of the full and final release of all Stop Notice rights.
 2. The Contractor shall have made all corrections, including all Punch List Items, to the Work which are required to remedy any defects therein, to obtain compliance with the Contract Documents or any requirements of applicable codes and ordinances, or to fulfill any of the orders or directions of District required under the Contract Documents.

3. Each Subcontractor shall have delivered to the Contractor all written guarantees, warranties, applications, releases from the Surety and warranty bonds (if applicable) required by the Contract Documents for its portion of the Work.
4. Contractor must have completed all requirements set forth in Article 9.9
5. Contractor must have issued a Form 6C for the Project.
6. The Contractor shall have delivered to the District all manuals and materials required by the Contract Documents.
7. The Contractor shall have completed final clean up as required by Article 3.12
8. Contractor shall have all deductive items under Article 9.6 and Article 2.2 submitted as part of the Retention Payment.

9.11.4 Recording of a Notice of Completion After Punch List Period and Final Inspection.

When the Work, or designated portion thereof, is complete or the District has completed the Article 9.6 and/or the Article 2.2 process, whichever occurs first, the District will file either a Notice of Completion or a Notice of Completion noting valued Punch List items. Valued Punch List items will be deducted from the Retention Payment.

During the time when Work is being performed on the Punch List, the Project does not meet the definition of "Complete" under Public Contract Code section 7107(c)(1) even if there is "beneficial occupancy" of the Project since that has been no "cessation of labor" on the Project. Completion of Punch List under this Article is not "testing, startup, or commissioning by the public entity or its agent." In other words, the continuing Punch List Work is Contractor labor on the Project until each and every item of Punch List Work is complete or the time periods under Article 9.9.1 have expired.

9.11.5 Warranties

Warranties required by the Contract Documents shall commence on the date of Completion of the entire Work. Warranty periods DO NOT commence at Substantial Completion or when a particular Subcontractor work is complete. No additional charges, extras, Change Orders, or Claims may be sought for warranties commencing from the Notice of Completion.

District shall have the right to utilize equipment, test, and operate as necessary for acclimation, or testing without voiding or starting warranties. Taking beneficial occupancy shall not start warranties except in the case where the District agrees, in writing, that warranties shall commence running or where the District is taking phased occupancy of specific buildings or areas and completes separate Punch Lists as further addressed in Article 4.2.7.

9.11.6 Time for Submission of Application for Final Payment and Retention Payment (Unilateral Processing of Final and Retention Payment Application).

If Contractor submits a Final Payment Application which fails to include deductive items under Article 9.6, the District or Architect shall note this defective request for Final Payment Application. The Contractor shall be notified that specific deductive items shall be included in the Final Payment Application. If Contractor either continues to submit the Final Payment Application without deductive items under Article 9.6, or a period of 14 calendar days passes after Contractor is provided written notice of deductive items for inclusion in Final Payment Application, then District may either alter the Final Payment Application and recalculate the math on the Final Payment Application to address the Article 9.6 deductive items or process a unilateral Final Payment Application.

9.11.7 Unilateral Release of Retention

After the recordation of the Notice of Completion, or within sixty (60) days following the completion of the Punch List or the expiration of the time for completion of Punch List under Article 9.9.1, if Contractor does not make an Application for Release of Retention, the District may unilaterally release retention less any deducts under Article 9.6 and/or Article 2.2, withholds due to stop notices, or withholdings due to other defective Work on the Project. District may also choose to unilaterally release Retention after deduction of 150% of any disputed items, which may also include items under Article 9.6 and 2.2. If a deduction pursuant to Article 9.6 is made from Retention, a letter deducting specific valued items shall be considered a notice of Default under the terms of the Escrow Agreement.

9.12 SUBSTITUTION OF SECURITIES

The District will permit the substitution of securities in accordance with the provisions of Public Contract Code section 22300 as set forth in the form contained in the Bid Documents.

ARTICLE 10
PROTECTION OF PERSONS AND PROPERTY

10.1 SAFETY PRECAUTIONS AND PROGRAMS

10.1.1 Contractor Responsibility

The Contractor shall be responsible for all damages to persons or property that occur as a result of its fault or negligence in connection with the prosecution of this Contract and shall take all necessary measures and be responsible for the proper care and protection of all materials delivered and Work performed until completion and final acceptance by the District. All Work shall be solely at the Contractor's risk, with the exception of damage to the Work caused by "acts of God" as defined in Public Contract Code section 7105(b)(2).

Contractor shall take, and require Subcontractor to take, all necessary precautions for safety of workers on the Work and shall comply with all applicable federal, state, local and other safety laws, standards, orders, rules, regulations, and building codes to prevent accidents or injury to persons on, about, or adjacent to premises where Work is being performed and to provide a safe and healthful place of employment. In addition to meeting all requirements of OSHA, Cal-OSHA, state, and local codes, Contractor shall furnish, erect and properly maintain at all times, as directed by District or Architect or required by conditions and progress of Work, all necessary safety devices, safeguards, construction canopies, signs, audible devices for protection of the blind, safety rails, belts and nets, barriers, lights, and watchmen for protection of workers and the public, and shall post danger signs warning against hazards created by such features in the course of construction. Contractor shall designate a responsible member of its organization on the Work, whose duty shall be to post information regarding protection and obligations of workers and other notices required under occupational safety and health laws, to comply with reporting and other occupational safety requirements, and to protect the life, safety and health of workers. The name and position of person so designated shall be reported to District by Contractor. Contractor shall correct any violations of safety laws, rules, orders, standards, or regulations. Upon the issuance of a citation or notice of violation by the Division of Occupational Safety and Health, such violation shall be corrected promptly.

10.1.2 Subcontractor Responsibility

Contractor shall require that Subcontractors participate in, and enforce, the safety and loss prevention programs established by the Contractor for the Project, which will cover all Work performed by the Contractor and its Subcontractors. Each Subcontractor shall designate a responsible member of its organization whose duties shall include loss and accident prevention, and who shall have the responsibility and full authority to enforce the program. This person shall attend meetings with the representatives of the various Subcontractors employed to ensure that all employees understand and comply with the programs.

10.1.3 Cooperation

All Subcontractors and material or equipment suppliers shall cooperate fully with Contractor, the District, and all insurance carriers and loss prevention engineers.

10.1.4 Accident Reports

Subcontractors shall immediately, within two (2) days, report in writing to the Contractor all accidents whatsoever arising out of, or in connection with, the performance of the Work, whether on or off the Site, which caused death, personal injury, or property damage, giving full details and statements of witnesses. In addition, if death or serious injuries or serious damages are caused, the accident shall be reported within four (4) days by telephone or messenger. Contractor shall thereafter immediately, within two (2) days, report the facts in writing to the District and the Architect giving full details of the accident.

10.1.5 First-Aid Supplies at Site

The Contractor will provide and maintain at the Site first-aid supplies which complies with the current Occupational Safety and Health Regulations.

10.1.6 Material Safety Data Sheets and Compliance with Proposition 65

Contractor is required to have material safety data sheets available in a readily accessible place at the job site for any material requiring a material safety data sheet per the Federal "hazard communication" standard, or employees' "right-to-know law." The Contractor is also required to properly label any substance brought into the job site, and require that any person working with the material, or within the general area of the material, is informed of the hazards of the substance and follows proper handling and protection procedures.

Contractor is required to comply with the provisions of California Health and Safety Code section 25249, et seq., which requires the posting and giving of notice to persons who may be exposed to any chemical known to the State of California to cause cancer. The Contractor agrees to familiarize itself with the provisions of this Section, and to comply fully with its requirements.

10.1.7 Non-Utilization of Asbestos Material

NO ASBESTOS OR ASBESTOS-CONTAINING PRODUCTS SHALL BE USED IN THIS CONSTRUCTION OR IN ANY TOOLS, DEVICES, CLOTHING, OR EQUIPMENT USED TO EFFECT THIS CONSTRUCTION.

Asbestos and/or asbestos-containing products shall be defined as all items containing, but not limited to, chrysotile, amosite, anthophyllite, tremolite, and antinolite.

Any or all material containing greater than one-tenth of one percent (>.1%) asbestos shall be defined as asbestos-containing material.

All Work or materials found to contain asbestos or Work or material installed with asbestos-containing equipment will be immediately rejected and this Work will be removed at no additional cost to the District.

Decontamination and removal of Work found to contain asbestos or Work installed with asbestos-containing equipment shall be done only under supervision of a qualified consultant, knowledgeable in the field of asbestos abatement and accredited by the Environmental Protection Agency.

The asbestos removal contractor shall be an EPA accredited contractor qualified in the removal of asbestos and shall be chosen and approved by the asbestos consultant, who shall have sole discretion and final determination in this matter.

The asbestos consultant shall be chosen and approved by the District, who shall have sole discretion and final determination in this matter.

The Work will not be accepted until asbestos contamination is reduced to levels deemed acceptable by the asbestos consultant.

Interface of Work under this Contract with Work containing asbestos shall be executed by the Contractor at his risk and at his discretion, with full knowledge of the currently accepted standards, hazards, risks, and liabilities associated with asbestos work and asbestos-containing products. By execution of this Contract, the Contractor acknowledges the above and agrees to hold harmless District and its assigns for all asbestos liability which may be associated with this work and agrees to instruct his employees with respect to the above-mentioned standards, hazards, risks, and liabilities.

10.2 SAFETY OF PERSONS AND PROPERTY

10.2.1 The Contractor

The Contractor shall take reasonable precautions for the safety of, and shall provide reasonable protection to prevent damage, injury, or loss to:

- a. Employees on the Work and other persons who may be affected thereby;
- b. The Work, material, and equipment to be incorporated therein, whether in storage on or off the Site, under the care, custody, or control of the Contractor or the Contractor's Subcontractors or Sub-subcontractors; and
- c. Other property at the Site or adjacent thereto such as trees, shrubs, lawns, walks, pavement, roadways, structures, and utilities not designated for removal, relocation, or replacement in the course of construction.

Contractor is constructive owner of Project site as more fully discussed in Article 6.2.

10.2.2 Contractor Notices

The Contractor shall give notices and comply with applicable laws, ordinances, rules, regulations, and lawful orders of public authorities bearing on the safety of persons or property or their protection from damage, injury, or loss.

10.2.3 Safety Barriers and Safeguards

The Contractor shall erect and maintain, as required by existing conditions and performance of the Contract, reasonable safeguards for safety and protection, including posting danger signs and other warnings against hazards, promulgating safety regulations, and notifying owners and users of adjacent sites and utilities.

10.2.4 Use or Storage of Hazardous Material

When use or storage of explosives, other hazardous materials or equipment, or unusual methods are necessary for execution of the Work, the Contractor shall exercise utmost care and carry on such activities under supervision of properly qualified personnel. The Contractor shall notify the District any time that explosives or hazardous materials are expected to be stored on Site. Location of storage shall be coordinated with the District and local fire authorities.

10.2.5 Protection of Work

The Contractor and Subcontractors shall continuously protect the Work, the District's property, and the property of others, from damage, injury, or loss arising in connection with operations under the Contract Documents. The Contractor and Subcontractors, at their own expense, shall make good any such damage, injury, or loss, except such as may be solely due to, or caused by, agents or employees of the District.

The Contractor, at Contractor's expense, will remove all mud, water, or other elements as may be required for the proper protection and prosecution of its Work.

Contractor shall take adequate precautions to protect existing roads, sidewalks, curbs, pavements, utilities, adjoining property and structures (including, without limitation, protection from settlement or loss of lateral support), and to avoid damage thereto, and repair any damage thereto caused by construction operations. All permits, licenses, or inspection fees required for such repair Work shall be obtained and paid for by Contractor.

10.2.6 Requirements for Existing Sites

Contractor shall (unless waived by the District in writing):

- a. When performing construction on existing sites, become informed and take into specific account the maturity of the students on the Site; and perform Work which may interfere with school routine before or after school hours, enclose working area with a substantial barricade, and arrange Work to cause a minimum amount of inconvenience and danger to students and faculty in their regular school activities. The Contractor shall comply with Specifications and directives of the District regarding the timing of certain construction activities in order to avoid unnecessary interference with school functioning.
- b. Avoid performing any Work that will disturb students during testing.
- c. Provide substantial barricades around any shrubs or trees indicated to be preserved.
- d. Deliver materials to building area over route designated by Architect.
- e. Take preventive measures to eliminate objectionable dust, noise, or other disturbances.
- f. Confine apparatus, the storage of materials, and the operations of workers to limits indicated by law, ordinances, permits or directions of Architect; and not interfere

with the Work or unreasonably encumber premises or overload any structure with materials; and enforce all instructions of District and Architect regarding signs, advertising, fires, and smoking and require that all workers comply with all regulations while on the Project site.

- g. Take care to prevent disturbing or covering any survey markers, monuments, or other devices marking property boundaries or corners. If such markers are disturbed by accident, they shall be replaced by an approved land surveyor or civil engineer and all maps and records required therefrom shall be filed with county and local authorities, at no cost to the District. All filing and plan check fees shall be paid by Contractor.
- h. Provide District on request with Contractor's written safety program and safety plan for each site.

10.2.7 Shoring and Structural Loading

The Contractor shall not impose structural loading upon any part of the Work under construction or upon existing construction on or adjacent to the Site in excess of safe limits, or loading such as to result in damage to the structural, architectural, mechanical, electrical, or other components of the Work. The design of all temporary construction equipment and appliances used in construction of the Work and not a permanent part thereof, including, without limitation, hoisting equipment, cribbing, shoring, and temporary bracing of structural steel, is the sole responsibility of the Contractor. All such items shall conform with the requirements of governing codes and all laws, ordinances, rules, regulations, and orders of all authorities having jurisdiction. The Contractor shall take special precautions, such as shoring of masonry walls and temporary tie bracing of structural steel Work, to prevent possible wind damage during construction of the Work. The installation of such bracing or shoring shall not damage the Work in place or the Work installed by others. Any damage which does occur shall be promptly repaired by the Contractor at no cost to the District.

10.2.8 Conformance within Established Limits

The Contractor and Subcontractors shall confine their construction equipment, the storage of materials, and the operations of workers to the limits indicated by laws, ordinances, permits, and the limits established by the District or the Contractor, and shall not unreasonably encumber the premises with construction equipment or materials.

10.2.9 Subcontractor Enforcement of Rules

Subcontractors shall enforce the District's and the Contractor's instructions, laws, and regulations regarding signs, advertisements, fires, smoking, the presence of liquor, and the presence of firearms by any person at the Site.

10.2.10 Site Access

The Contractor and the Subcontractors shall use only those ingress and egress routes designated by the District, observe the boundaries of the Site designated by the District, park only in those areas designated by the District, which areas may be on or off the Site, and comply with any parking control

program established by the District, such as furnishing license plate information and placing identifying stickers on vehicles.

10.2.11 Security Services.

The Contractor shall be responsible for providing security services for the Site as needed for the protection of the Site and as determined in the District's sole discretion.

10.3 EMERGENCIES

10.3.1 Emergency Action

In an emergency affecting the safety of persons or property, the Contractor shall take any action necessary, at the Contractor's discretion, to prevent threatened damage, injury, or loss. Additional compensation or extension of time claimed by the Contractor on account of an emergency shall be determined as provided in Article 7.

10.3.2 Accident Reports

The Contractor shall promptly report in writing to the District all accidents arising out of or in connection with the Work, which caused death, personal injury, or property damage, giving full details and statements of any witnesses in conformance with Article 10.1.4. In addition, if death, serious personal injuries, or serious property damages are caused, the accident shall be reported in accordance with Article 10.1.4, immediately by telephone or messenger to the District.

10.4 HAZARDOUS MATERIALS

10.4.1 Discovery of Hazardous Materials

In the event the Contractor encounters or suspects the presence on the job site of material reasonably believed to be asbestos, polychlorinated biphenyl (PCB), or any other material defined as being hazardous by § 25249.5 of the California Health and Safety Code, which has not been rendered harmless, the Contractor shall immediately stop Work in the area affected and report the condition to the District and the Architect in writing, whether or not such material was generated by the Contractor or the District. The Work in the affected area shall not thereafter be resumed, except by written agreement of the District and the Contractor, if in fact the material is asbestos, polychlorinated biphenyl (PCB), or other hazardous material, and has not been rendered harmless. The Work in the affected area shall be resumed only in the absence of asbestos, polychlorinated biphenyl (PCB), or other hazardous material, or when it has been rendered harmless by written agreement of the District and the Contractor.

10.4.2 Hazardous Material Work Limitations

In the event that the presence of hazardous materials is suspected or discovered on the Site (except in cases where asbestos and other hazardous material Work in the Contractor's responsibility), the District shall retain an independent testing laboratory to determine the nature of the material encountered and whether corrective measures or remedial action is required. The Contractor shall not be required pursuant to Article 7 to perform without consent any Work in the affected area of the Site relating to asbestos, polychlorinated biphenyl (PCB), or other hazardous material, until any known or suspected

hazardous material has been removed, or rendered harmless, or determined to be harmless by District, as certified by an independent testing laboratory and approved by the appropriate government agency.

10.4.3 Indemnification by Contractor for Hazardous Material Caused by Contractor

In the event the hazardous materials on the Project Site is caused by the Contractor, the Contractor shall pay for all costs of testing and remediation, if any, and shall compensate the District for any additional costs incurred as a result of Contractor's generation of hazardous material on the Project Site. In addition, the Contractor shall defend, indemnify and hold harmless District and its agents, officers, and employees from and against any and all claims, damages, losses, costs and expenses incurred in connection with, arising out of, or relating to, the presence of hazardous material on the Project Site.

10.4.4 Terms of Hazardous Material Provision

The terms of this Hazardous Material provision shall survive the completion of the Work and/or any termination of this Contract.

**ARTICLE 11
INSURANCE AND BONDS**

11.1 CONTRACTOR'S LIABILITY INSURANCE

11.1.1 Insurance Requirements

Before the commencement of the Work, the Contractor shall purchase from and maintain in a company or companies lawfully authorized to do business in California with a financial rating of at least an A-VIII status as rated in the most recent edition of Best's Insurance Reports or as amended by the Supplementary General Conditions, such insurance as will protect the District from claims set forth below, which may arise out of or result from the Contractor's Work under the Contract and for which the Contractor may be legally liable, whether such Work are by the Contractor, by a Subcontractor, by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable. Any required insurance shall not contain any exclusion that applies to the type of work performed by the Contractor under the Contract Documents.

- a. Claims for damages because of bodily injury, sickness, disease, or death of any person District would require indemnification and coverage for employee claim;
- b. Claims for damages insured by usual personal injury liability coverage, which are sustained by a person as a result of an offense directly or indirectly related to employment of such person by the Contractor or by another person;
- c. Claims for damages because of injury or destruction of tangible property, including loss of use resulting therefrom, arising from operations under the Contract Documents;
- d. Claims for damages because of bodily injury, death of a person, or property damage arising out of the ownership, maintenance, or use of a motor vehicle, all mobile equipment, and vehicles moving under their own power and engaged in the Work;
- e. Claims involving contractual liability applicable to the Contractor's obligations under the Contract Documents, including liability assumed by and the indemnity and defense obligations of the Contractor and the Subcontractors; and
- f. Claims involving Completed Operations, Independent Contractors' coverage, and Broad Form property damage, without any exclusions for collapse, explosion, demolition, underground coverage, and excavating. (XCU)
- g. Claims involving sudden or accidental discharge of contaminants or pollutants.

11.1.2 Specific Insurance Requirements

Contractor shall take out and maintain and shall require all Subcontractors, if any, whether primary or secondary, to take out and maintain:

Comprehensive General Liability Insurance with a combined single limit per occurrence of not less than \$2,000,000.00 or Commercial General Liability Insurance which provides limits of not less than:

- (a) Per occurrence (combined single limit)..... \$2,000,000.00
- (b) Project Specific Aggregate (for this Project only)..... \$2,000,000.00
- (c) Products and Completed Operations (aggregate)..... \$2,000,000.00
- (d) Personal and Advertising Injury Limit..... \$1,000,000.00

Insurance Covering Special Hazards

The following Special hazards shall be covered by riders or riders to above mentioned public liability insurance or property damage insurance policy or policies of insurance, in amounts as follows:

- (a) Automotive and truck where operated in..... \$1,000,000.00
amounts
- (b) Material Hoist where used in..... \$1,000,000.00
amounts
- (c) Explosion, Collapse and Underground
(XCU coverage)..... \$1,000,000.00
- (d) Hazardous Materials..... \$1,000,000.00

In addition, provide Excess Liability Insurance coverage in the amount of Four Million Dollars (\$4,000,000.00).

11.1.3 Subcontractor Insurance Requirements

The Contractor shall require its Subcontractors to take out and maintain public liability insurance and property damage insurance required under Article 11.1 in like amounts. A “claims made” or modified “occurrence” policy shall not satisfy the requirements of Article 11.1 without prior written approval of the District.

11.1.4 Additional Insured Endorsement Requirements

The Contractor shall name, on any policy of insurance required under Article 11.1, the District, CM, Architect, Inspector, the State of California, their officers, employees, agents, volunteers and independent contractors as additional insureds. Subcontractors shall name the Contractor, the District, Architect, Inspector, the State of California, their officers, employees, agents, volunteers and independent contractors as additional insureds. The Additional Insured Endorsement included on all such insurance policies shall be an ISO CG 20 10 (04/13), or an ISO CG 20 38 (04/13), or their equivalent as determined by the District in its sole discretion, and must state that coverage is afforded the additional insured with

respect to claims arising out of operations performed by or on behalf of the insured. If the additional insureds have other insurance which is applicable to the loss, such other insurance shall be on an excess or contingent basis. The insurance provided by the Contractor pursuant to 11.1 must be designated in the policy as primary to any insurance obtained by the District. The amount of the insurer's liability shall not be reduced by the existence of such other insurance.

11.2 WORKERS' COMPENSATION INSURANCE

During the term of this Contract, the Contractor shall provide workers' compensation and employer's liability insurance for all of the Contractor's employees engaged in Work under this Contract on or at the Site of the Project and, in case any of the Contractor's Work is subcontracted, the Contractor shall require the Subcontractor to provide workers' compensation insurance for all the Subcontractor's employees engaged in Work under the subcontract. Any class of employee or employees not covered by a Subcontractor's insurance shall be covered by the Contractor's insurance. In case any class of employees engaged in Work under this Contract on or at the Site of the Project is not protected under the Workers' Compensation laws, the Contractor shall provide or cause a Subcontractor to provide insurance coverage for the protection of those employees not otherwise protected. The Contractor shall file with the District certificates of insurance as required under Article 11.6 and in compliance with Labor Code § 3700.

Workers' compensation limits as required by the Labor Code, but not less than \$1,000,000 and employers' liability limits of \$1,000,000 per accident for bodily injury or disease.

11.3 BUILDER'S RISK/ "ALL RISK" INSURANCE

11.3.1 Course-of-Construction Insurance Requirements

The Contractor, during the progress of the Work and until final acceptance of the Work by District upon completion of the entire Contract, shall maintain Builder's Risk, Course of Construction or similar first party property coverage issued on a replacement cost value basis consistent with the total replacement cost of all insurable Work and the Project included within the Contract Documents. Coverage is to insure against all risks of accidental direct physical loss, and must include, by the basic grant of coverage or by endorsement, the perils of vandalism, malicious mischief (both without any limitation regarding vacancy or occupancy), fire, sprinkler leakage, civil authority, sonic boom, earthquake, flood, collapse, wind, lightning, smoke and riot. The coverage must include debris removal, demolition, increased costs due to enforcement of building ordinance and law in the repair and replacement of damage and undamaged portions of the property, and reasonable costs for the Architect's and engineering services and expenses required as a result of any insured loss upon the Work and Project which is the subject of the Contract Documents, including completed Work and Work in progress, to the full insurable value thereof. Such insurance shall include the District and the Architect as additional named insureds, and any other person with an insurable interest as designated by the District.

The Contractor shall submit to the District for its approval all items deemed to be uninsurable. The risk of the damage to the Work due to the perils covered by the "Builder's Risk/All Risk" Insurance, as well as any other hazard which might result in damage to the Work, is that of the Contractor and the Surety, and no Claims for such loss or damage shall be recognized by the District nor will such loss or damage excuse the complete and satisfactory performance of the Contract by the Contractor.

11.4 FIRE INSURANCE

Before the commencement of the Work, the Contractor shall procure, maintain, and cause to be maintained at the Contractor's expense, fire insurance on all Work subject to loss or damage by fire. The amount of fire insurance shall be sufficient to protect the Project against loss or damage in full until the Work is accepted by the District. This requirement may be waived upon confirmation by the District that such coverage is provided under the Builder's Risk Insurance being provided.

11.5 AUTOMOBILE LIABILITY

11.5.1 The District, Architect and Construction Manager, Inspectors, their directors, officers, employees, agents and volunteers shall be covered as additional insureds with respect to the ownership, operation, maintenance, use, loading or unloading of any auto owned, leased, hired or borrowed by the Contractor or for which the Contractor is responsible. Such insurance coverage shall be primary and non-contributory insurance as respects the District, Architect, Construction Manager, Project Inspector, their directors, officers, employees, agents and volunteers, or if excess, shall stand in an unbroken chain of coverage excess of the Contractor's scheduled underlying coverage. Any insurance or self-insurance maintained by the District, Architect, Construction Manager, Project Inspector, their directors, officers, employees, agents and volunteers shall be excess of the Contractor's insurance and shall not be called upon to contribute with it. The insurer shall agree to waive all rights of subrogation against the District, Architect, Construction Manager, Project Inspector, their directors, officers, employees, agents and volunteers for losses paid under the terms of the insurance policy that arise from Work performed by the Contractor.

11.5.2 Insurance Services Office Business Auto Coverage Form Number CA 0001, Code 1 (any auto) is required. Comprehensive Automobile Liability insurance to include all autos, owned, non-owned, and hired, with limits of \$1,000,000 per accident for bodily injury and property damage.

11.6 OTHER INSURANCE

The Contractor shall provide all other insurance required to be maintained under applicable laws, ordinances, rules, and regulations.

11.7 PROOF OF INSURANCE

The Contractor shall not commence Work nor shall it allow any Subcontractor to commence Work under this Contract until all required insurance and certificates have been obtained and delivered in duplicate to the District for approval subject to the following requirements:

- a. Certificates and insurance policies shall include the following clause:

“This policy and any coverage shall not be suspended, voided, non-renewed, canceled, or reduced in required limits of liability or amounts of insurance or coverage until notice has been mailed via certified mail to the District. Date of cancellation or reduction may not be less than thirty (30) days after the date of mailing notice.”

- b. Certificates of insurance shall state in particular those insured, the extent of insurance, location and operation to which the insurance applies, the expiration date, and cancellation and reduction notices.
- c. Certificates of insurance shall clearly state that the District and the Architect are named as additional insureds under the policy described and that such insurance policy shall be primary to any insurance or self-insurance maintained by District.
- d. The Contractor and its Subcontractors shall produce a certified copy of any insurance policy required under this Section upon written request of the District.

11.8 COMPLIANCE

In the event of the failure of Contractor to furnish and maintain any insurance required by this Article 11, the Contractor shall be in default under the Contract. Compliance by Contractor with the requirement to carry insurance and furnish certificates or policies evidencing the same shall not relieve the Contractor from liability assumed under any provision of the Contract Documents, including, without limitation, the obligation to defend and indemnify the District and the Architect.

11.9 WAIVER OF SUBROGATION

Contractor waives (to the extent permitted by law) any right to recover against the District for damages to the Work, any part thereof, or any and all claims arising by reason of any of the foregoing, but only to the extent that such damages and/or claims are covered by property insurance and only to the extent of such coverage (which shall exclude deductible amounts) by insurance actually carried by the District.

The provisions of this Article are intended to restrict each party to recovery against insurance carriers only to the extent of such coverage and waive fully and for the benefit of each, any rights and/or claims which might give rise to a right of subrogation in any insurance carrier. The District and the Contractor shall each obtain in all policies of insurance carried by either of them, a waiver by the insurance companies thereunder of all rights of recovery by way of subrogation for any damages or claims covered by the insurance.

11.10 PERFORMANCE AND PAYMENT BONDS

11.10.1 Bond Requirements

Unless otherwise specified in the Supplemental Conditions, prior to commencing any portion of the Work, the Contractor shall furnish separate Payment and Performance Bonds for its portion of the Work which shall cover 100% faithful performance of and payment of all obligations arising under the Contract Documents and/or guaranteeing the payment in full of all claims for labor performed and materials supplied for the Work. All bonds shall be provided by a corporate Surety authorized and admitted to transact business in California as sureties.

To the extent, if any, that the Contract Price is increased in accordance with the Contract Documents, the Contractor shall, upon request of the District, cause the amount of the bonds to be increased accordingly and shall promptly deliver satisfactory evidence of such increase to the District. To the extent available, the bonds shall further provide that no change or alteration of the Contract Documents (including,

without limitation, an increase in the Contract Price, as referred to above), extensions of time, or modifications of the time, terms, or conditions of payment to the Contractor will release the Surety. If the Contractor fails to furnish the required bonds, the District may terminate the Contract for cause.

11.10.2 Surety Qualification

Only bonds executed by admitted Surety insurers as defined in Code of Civil Procedure § 995.120 shall be accepted. Surety must be a California-admitted Surety and listed by the U.S. Treasury with a bonding capacity in excess of the Project cost.

11.10.3 Alternate Surety Qualifications

If a California-admitted Surety insurer issuing bonds does not meet these requirements, the insurer will be considered qualified if it is in conformance with § 995.660 of the California Code of Civil Procedure and proof of such is provided to the District.

ARTICLE 12
UNCOVERING AND CORRECTION OF WORK

12.1 COMPLIANCE WITH TITLE 24 INSTALLATION REQUIREMENTS

Contractor is aware of the requirements governing Contractor's Work under title 24 Section 4-343 which provides, in pertinent part:

4-343. Duties of the Contractor.

(a) **Responsibilities.** It is the duty of the contractor to complete the Work covered by his or her contract in accordance with the approved Plans and Specifications therefore. The contractor in no way is relieved of any responsibility by the activities of the architect, engineer, Inspector or DSA in the performance of such duties.

(b) **Performance of the Work.** The contractor shall carefully study the approved Plans and Specifications and shall plan a schedule of operations well ahead of time. If at any time it is discovered that Work is being done which is not in accordance with the approved Plans and Specifications, the contractor shall correct the Work immediately. All inconsistencies or items which appear to be in error in the Plans and Specifications shall be promptly called to the attention of the architect or registered engineer, through the Inspector, for interpretation or correction. In no case, however, shall the instruction of the architect or registered engineer be construed to cause Work to be done which is not in conformity with the approved Plans, Specifications, and Change Orders. The contractor must notify the Project Inspector, in advance, of the commencement of construction of each and every aspect of the Work.

12.1.1 Issuance of Notices of Non-Compliance

The Inspector may issue a Notice of Non-Compliance on the Project indicating deviation from Plans and Specifications. It is Contractor's responsibility to correct all deviations from the approved Plans and Specifications unless the District has issued an Immediate Change Directive. In such case, the Contractor shall proceed with the Work with the understandings of the District as set forth in the ICD and as specifically noted in Article 7.3.

12.2 SPECIAL NOTICE OF AMERICAN'S WITH DISABILITIES ACT

Some of the requirements in the Plans and Specifications are meant to comply with the Americans with Disabilities Act ("ADA"). The requirements of the ADA are technical in nature and may appear to be minor in nature (i.e. whether a walkway or ramp has a 2% cross-slope). Contractor is warned that even the slightest deviation from the specific requirements from the ADA is considered a Civil Rights violation and subjects the District to fines of three times actual damages sustained by a handicap individual or up to \$4,000 per violation and attorney's fees required to enforce the ADA violation. As a result of the significant liability and exposure associated with ADA aspects of the Contract, Contractor shall take special care to meet all ADA requirements detailed in the Plans and Specifications. Failure to comply with ADA rules that results in a Notice of Non-Compliance shall be repaired to meet ADA requirements promptly. In addition, any ADA violations that are not identified by Inspector or Architect that are later identified shall be repaired and charged back to the Contractor through a Deductive Change Order.

12.2.1 Indemnification of ADA Claims

Contractor shall indemnify, hold harmless and defend the District from ADA claims arising from the failure to comply with the Plans and Specifications. Further, any withholdings for ADA violations under Article 9.6 shall include potential redesign costs and an accelerated repair costs due to the potential for ADA claims arising from DSA posting of ADA violations on the Project.

12.3 UNCOVERING OF WORK

12.3.1 Uncovering Work for Required Inspections

Work shall not be covered without the Inspector's review and the Architect's knowledge that the Work conforms with the requirements of the approved Plans and Specifications (except in the case of an ICD under Article 7.3). Inspector must be timely notified of inspections and of new areas so Work can be inspected at least 48 hours before opening a new area (For example, see DSA Form 156 for Commencement/Completion of Work Notification which requires "at least 48 hour" advance notification of a new area). An Inspector must comply with DSA protocols for signing each category or phase of Work under DSA Form 152 (in compliance with the Form 152 Manual) or a Notice of Deviation (DSA Form 154) will be issued requiring the Work that was not inspected be uncovered for inspection. Thus, if a portion of the Work is covered without inspection or Architect approval, is subject to a Notice of Non-Compliance for being undertaken without inspection, or otherwise not in compliance with the Contract Documents, after issuance of a Written Notice of Non-Compliance (Form 154) or a written notice to uncover Work, Contractor shall promptly uncover all Work (which includes furnishing all necessary facilities, labor, and material) for the Inspector's or the Architect's observation and such Work shall be replaced at the Contractor's expense without change in the Contract Sum or Time.

12.3.2 Costs for Inspections Not Required

If a portion of the Work has been covered is believed to be Non-Conforming to the Plans and Specifications, even if the Form 152 for the category of Work has been signed by the Inspector, the Inspector or the Architect may request to see such Work, and it shall be promptly uncovered by the Contractor. If such Work is in accordance with the Contract Documents, costs of uncover and replacement shall, by appropriate Change Order and shall, be charged to the District. If such Work is not in accordance with Contract Documents, the Contractor shall be responsible for all costs to uncover the Work, delays incurred to uncover the Work, and Contractor shall pay all costs to correct the Non-Conforming construction condition unless the condition was caused by the District or a separate contractor, in which event the District shall be responsible for payment of such costs to the Contractor.

12.4 CORRECTION OF WORK

12.4.1 Correction of Rejected Work

The Contractor shall promptly correct the Work rejected by the Inspector or the District upon recommendation of the Architect as failing to conform to the requirements of the Contract Documents, whether observed before or after Completion and whether or not Fabricated, installed, or completed. The Contractor shall bear costs of correcting the rejected Work, including cost for delays that may be incurred by Contractor or Subcontractors, the cost for additional testing, inspections, and compensation for the Inspector's or the Architect's services and expenses made necessary thereby (including costs for preparing a CCD, DSA CCD review fees, and additional inspection and special inspection costs).

12.4.2 Two-Year Warranty Corrections

If, within two (2) years after the date of Completion of the Work or a designated portion thereof, or after the date for commencement of warranties established under Article 9.9.1, or by the terms of an applicable special warranty required by the Contract Documents, any of the Work is found to be not in accordance with the requirements of the Contract Documents, the Contractor shall correct it promptly after receipt of written notice from the District to do so unless the District has previously given the Contractor a written acceptance of such condition. This period of two (2) years shall be extended with respect to portions of the Work first performed after Completion by the period of time between Completion and the actual performance of the Work. This obligation under this Article 12.4.2 shall survive acceptance of the Work under the Contract and termination of the Contract. The District shall give such notice promptly after discovery of the condition.

12.4.3 District's Rights if Contractor Fails to Correct

If the Contractor fails to correct nonconforming Work within a reasonable time, the District may correct the Work and seek a Deductive Change Order, pursuant to Article 9.6 or Article 2.2.

**ARTICLE 13
MISCELLANEOUS PROVISIONS**

13.1 GOVERNING LAW

The Contract shall be governed by the law of the place where the Project is located.

13.2 SUCCESSORS AND ASSIGNS

The District and the Contractor respectively bind themselves, their partners, successors, assigns, and legal representatives to the other party hereto and to partners, successors, assigns, and legal representatives of such other party in respect to covenants, agreements, and obligations contained in the Contract Documents. Neither party to the Contract shall assign the Contract as a whole without written consent of the other. If either party attempts to make such an assignment without such consent, that party shall nevertheless remain legally responsible for all obligations under the Contract.

13.3 WRITTEN NOTICE

In the absence of specific notice requirements in the Contract Documents, written notice shall be deemed to have been duly served if delivered in person to the individual, member of the firm or entity, or to an officer of the corporation for which it was intended, or if delivered at or sent by registered or certified mail to the last business address known to the party giving notice.

13.4 RIGHTS AND REMEDIES

13.4.1 Duties and Obligations Cumulative

Duties and obligations imposed by the Contract Documents and rights and remedies available thereunder shall be in addition to and not a limitation of duties, obligations, rights, and remedies otherwise imposed or available by law.

13.4.2 No Waiver

No action or failure to act by the Inspector, the District, or the Architect shall constitute a waiver of a right or duty afforded them under the Contract Documents, nor shall such action or failure to act constitute approval of or acquiescence in a breach thereunder, except as may be specifically agreed in writing.

13.5 TESTS AND INSPECTIONS

13.5.1 Compliance

Tests, inspections, and approvals of portions of the Work required by the Contract Documents will comply with Division 1, Title 24, and with all other laws, ordinances, rules, regulations, or orders of public authorities having jurisdiction.

13.5.2 Independent Testing Laboratory

The District will select and pay an independent testing laboratory to conduct all tests and inspections. Selection of the materials required to be tested shall be made by the laboratory or the District's

representative and not by the Contractor. See Articles 3.13.1 and 4.3.6 regarding costs or expenses of inspection or testing outside of the Project Site.

13.5.3 Advance Notice to Inspector

The Contractor shall notify the Inspector a sufficient time in advance of its readiness for required observation or inspection so that the Inspector may arrange for same. The Contractor shall notify the Inspector a sufficient time in advance of the manufacture of material to be supplied under the Contract Documents which must, by terms of the Contract Documents, be tested in order that the Inspector may arrange for the testing of the material at the source of supply.

13.5.4 Testing Off-Site

Any material shipped by the Contractor from the source of supply, prior to having satisfactorily passed such testing and inspection or prior to the receipt of notice from said Inspector that such testing and inspection will not be required, shall not be incorporated in the Work.

13.5.5 Additional Testing or Inspection

If the Inspector, the Architect, the District, or public authority having jurisdiction determines that portions of the Work require additional testing, inspection, or approval not included under Article 13.5.1, the Inspector will, upon written authorization from the District, make arrangements for such additional testing, inspection, or approval. The District shall bear such costs except as provided in Articles 13.5.6 and 13.5.7.

13.5.6 Costs for Retesting

If such procedures for testing, inspection, or approval under Articles 13.5.1 and 13.5.2 reveal failure of the portions of the Work to comply with requirements established by the Contract Documents, the Contractor shall bear all costs arising from such failure, including those of re-testing, re-inspection, or re-approval, including, but not limited to, compensation for the Architect's services and expenses. Any such costs shall be paid by the District, invoiced to the Contractor, and deducted from the next Progress Payment.

13.5.7 Costs for Premature Test

In the event the Contractor requests any test or inspection for the Project and is not completely ready for the inspection, the Contractor shall be invoiced by the District for all costs and expenses resulting from that testing or inspection, including, but not limited to, the Inspector's and Architect's fees and expenses, and the amount of the invoice shall be deducted from the next Progress Payment.

13.6 TRENCH EXCAVATION

13.6.1 Trenches Greater Than Five Feet

Pursuant to Labor Code section 6705, if the Contract Price exceeds \$25,000 and involves the excavation of any trench or trenches five (5) feet or more in depth, the Contractor shall, in advance of excavation, submit to the District or a registered civil or structural engineer employed by the District or

Architect, a detailed plan showing the design of shoring for protection from the hazard of caving ground during the excavation of such trench or trenches.

13.6.2 Excavation Safety

If such plan varies from the Shoring System Standards established by the Construction Safety Orders, the plan shall be prepared by a registered civil or structural engineer, but in no case shall such plan be less effective than that required by the Construction Safety Orders. No excavation of such trench or trenches shall be commenced until said plan has been accepted by the District or by the person to whom authority to accept has been delegated by the District.

13.6.3 No Tort Liability of District

Pursuant to Labor Code § 6705, nothing in this Article shall impose tort liability upon the District or any of its employees.

13.6.4 No Excavation without Permits

The Contractor shall not commence any excavation Work until it has secured all necessary permits including the required CAL OSHA excavation/shoring permit. Any permits shall be prominently displayed on the Site prior to the commencement of any excavation.

13.7 WAGE RATES, TRAVEL, AND SUBSISTENCE

13.7.1 Wage Rates

Pursuant to the provisions of Article 2 (commencing at § 1720), Chapter 1, Part 7, Division 2, of the Labor Code, the District has obtained the general prevailing rate of per diem wages and the general prevailing rate for holiday and overtime work in the locality in which this public works project is to be performed for each craft, classification, or type of worker needed for this Project from the Director of the Department of Industrial Relations (“Director”). These rates are on file at the administrative office of the District and are also available from the Director of the Department of Industrial Relations. Copies will be made available to any interested party on request. The Contractor shall post a copy of such wage rates at appropriate, conspicuous, weatherproof points at the Site.

Any worker employed to perform Work on the Project, but such Work is not covered by any classification listed in the published general prevailing wage rate determinations or per diem wages determined by the Director of the Department of Industrial Relations, shall be paid not less than the minimum rate of wages specified therein for the classification which most nearly corresponds to the employment of such person in such classification.

13.7.2 Holiday and Overtime Pay

Holiday and overtime work, when permitted by law, shall be paid for at the rate set forth in the prevailing wage rate determinations issued by the Director of the Department of Industrial Relations or at least one and one-half (1½) times the specified basic rate of per diem wages, plus employer payments, unless otherwise specified in the Contract Documents or authorized by law.

13.7.3 Wage Rates Not Affected by Subcontracts

The Contractor shall pay and shall cause to be paid each worker engaged in the execution of the Work on the Project not less than the general prevailing rate of per diem wages determined by the Director, regardless of any contractual relationship which may be alleged to exist between the Contractor or any Subcontractor and such workers.

13.7.4 Per Diem Wages

The Contractor shall pay and shall cause to be paid to each worker needed to execute the Work on the Project per diem wages including, but not limited to, employer payments for health and welfare, pensions, vacation, travel time and subsistence pay as provided for in Labor Code §1773.1.

13.7.5 Forfeiture and Payments

Pursuant to Labor Code §1775, the Contractor shall forfeit to the District, not more than Two Hundred Dollars (\$200.00) for each calendar day, or portion thereof, for each worker paid less than the prevailing wages rates as determined by the Director of the Department of Industrial Relations, for the work or craft in which the worker is employed for any Work done under the Agreement by the Contractor or by any Subcontractor under it. The amount of the penalty shall be determined by the Labor Commissioner and shall be based on consideration of: (1) whether the Contractor or Subcontractor's failure to pay the correct rate of per diem wages was a good faith mistake and, if so, the error was promptly and voluntarily correct upon being brought to the attention of the Contractor or Subcontractor; and (2) whether the Contractor or Subcontractor has a prior record of failing to meet its prevailing wage obligations.

13.7.6 Monitoring and Enforcement by Labor Commissioner

Monitoring and enforcement of the prevailing wage laws and related requirements will be performed by the Labor Commissioner/ Department of Labor Standards Enforcement (DLSE). The Contractor and all subcontractors shall be required to furnish, at least monthly, certified payroll records directly to the Labor Commissioner in accordance with Labor Code section 1771.4. All payroll records shall be furnished in a format required by the Labor Commissioner. The Contractor and all subcontractors must sign up for, and utilize, the Labor Commissioner's electronic certified payroll records submission system. The District will have direct and immediate access to all CPRs for the Project that are submitted through the Labor Commissioner's system. The District can use this information for any appropriate purpose, including monitoring compliance, identifying suspected violations, and responding to Public Records Act requests.

The Labor Commissioner/ DLSE may conduct various compliance monitoring and enforcement activities including, but not limited to, confirming the accuracy of payroll records, conducting worker interviews, conducting audits, requiring submission of itemized statements prepared in accordance with Labor Code section 226, and conducting random in-person inspections of the Project site ("On-Site Visits"). On-Site Visits may include inspections of records, inspections of the Work site and observation of work activities, interviews of workers and others involved with the Project, and any other activities deemed necessary by the Labor Commissioner/DLSE to ensure compliance with prevailing wage requirements. The Labor Commissioner/DLSE shall have free access to any construction site or other place of labor and may obtain any information or statistics pertaining to the lawful duties of the Labor Commissioner/DLSE.

Any lawful activities conducted or any requests made by the Labor Commissioner/DLSE shall not be the basis for any delays, claims, costs, damages or liability of any kind against the District by

the Contractor. Contractor and all subcontractors shall cooperate and comply with any lawful requests by the Labor Commissioner/ DLSE. The failure of the Labor Commissioner, DLSE, or any other entity related to the Department of Industrial Relations to comply with any requirement imposed by the California Code of Regulations, Title 8, Chapter 8 shall not of itself constitute a defense to the failure to pay prevailing wages or to comply with any other obligation imposed by Division 2, Part 7, Chapter 1 of the Labor Code.

Prior to commencing any Work on the Project, the Contractor shall post the required notice/poster required under the California Code of Regulations and Labor Code section 1771.4 in both English and Spanish at a conspicuous, weatherproof area at the Project site. The required notice/poster is available on the Labor Commissioner's website.

13.8 RECORDS OF WAGES PAID

13.8.1 Payroll Records

- a. Pursuant to §1776 of the Labor Code, the Contractor and each Subcontractor shall keep an accurate payroll record showing the name, address, social security number, work classification and straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice, worker or other employee employed by him or her in connection with the Project.

All payroll records as specified in Labor Code §1776 of the Contractor and all Subcontractors shall be certified and furnished directly to the Labor Commissioner in accordance with Labor Code §1771.4(a)(3) on a monthly basis (or more frequently if required by the District or the Labor Commissioner) and in a format prescribed by the Labor Commissioner. Payroll records as specified in Labor Code §1776 shall be certified and submitted to the District with each application for payment. All payroll records shall be available for inspection at all reasonable hours at the principal office of the Contractor on the following basis:

1. A certified copy of an employee's payroll record shall be made available for inspection or furnished to the employee or his or her authorized representative on request.
2. A certified copy of all payroll records shall be made available for inspection or furnished upon request to a representative of District, the Division of Labor Standards Enforcement or the Division of Apprenticeship Standards of the Department of Industrial Relations.
3. A certified copy of all payroll records shall be made available upon request by the public for inspection or for copies thereof. However, a request by the public shall be made through the District, the Division of Apprenticeship Standards or the Division of Labor Standards Enforcement. If the requested payroll records have not been provided pursuant to Paragraph (2) above, the requesting party shall, prior to being provided the records, reimburse the costs, according to law for the preparation by the Contractor, Subcontractor(s), and the entity through which the request was made. The

public shall not be given access to such records at the principal office of the Contractor.

- b. The certified payroll records shall be on forms provided by the Division of Labor Standards Enforcement or shall contain the same information as the forms provided by the Division of Labor Standards Enforcement.
- c. The Contractor or Subcontractor(s) shall file a certified copy of all payroll records with the entity that requested such records within 10 calendar days after receipt of a written request.
- d. Any copy of records made available for inspection as copies and furnished upon request to the public or any public agency by the District, the Division of Apprenticeship Standards or the Division of Labor Standards Enforcement shall be marked or obliterated to prevent disclosure of an individual's name, address and social security number. The name and address of the Contractor awarded the Contract or the Subcontractor(s) performing the Contract shall not be marked or obliterated. Any copy of records made available for inspection by, or furnished to, a joint labor-management committee established pursuant to the federal Labor Management Cooperation Act of 1978 (Section 175a of Title 29 of the United States Code) shall be marked or obliterated only to prevent disclosure of an individual's name and social security number. Notwithstanding any other provision of law, agencies that are included in the Joint Enforcement Strike Force on the Underground Economy established pursuant to Section 329 of the Unemployment Insurance Code and other law enforcement agencies investigating violations of law shall, upon request, be provided non-redacted copies of certified payroll records.
- e. The Contractor shall inform the District of the location of all payroll records, including the street address, city and county, and shall, within five working days, provide a notice of a change of location and address.
- f. The Contractor or Subcontractor(s) shall have 10 calendar days in which to comply subsequent to receipt of a written notice requesting payroll records. In the event that the Contractor or Subcontractor(s) fails to comply within the 10-day period, the Contractor or Subcontractor(s) shall, as a penalty to the District, forfeit One Hundred Dollars (\$100.00) for each calendar day, or portion thereof, for each worker, until strict compliance is effectuated. Upon the request of the Division of Apprenticeship Standards or the Division of Labor Standards Enforcement, these penalties shall be withheld from progress payments then due.

Responsibility for compliance with this Article shall rest upon the Contractor.

13.8.2 Withholding of Contract Payments & Penalties

The District may withhold or delay contract payments to the Contractor and/or any Subcontractor if:

- a. The required prevailing rate of per diem wages determined by the Director of the Department of Industrial Relations is not paid to all workers employed on the Project; or
- b. The Contractor or Subcontractor(s) fail to submit all required certified payroll records with each application for payment, but not less than once per month; or
- c. The Contractor or Subcontractor(s) submit incomplete or inadequate payroll records; or
- d. The Contractor or Subcontractor(s) fail to comply with the Labor Code requirements concerning apprentices; or
- e. The Contractor or Subcontractor(s) fail to comply with any applicable state laws governing workers on public works projects.

13.9 APPRENTICES

13.9.1 Apprentice Wages and Definitions

All apprentices employed by the Contractor to perform services under the Contract shall be paid the standard wage paid to apprentices under the regulations of the craft or trade for which he or she is employed, and as determined by the Director of the Department of Industrial Relations, and shall be employed only at the craft or trade to which he or she is registered. Only apprentices, as defined in §3077 of the Labor Code, who are in training under apprenticeship standards that have been approved by the Chief of the Division of Apprenticeship Standards and who are parties to written apprenticeship agreements under Chapter 4 (commencing with §3070) of Division 3, are eligible to be employed under this Contract. The employment and training of each apprentice shall be in accordance with the apprenticeship standards and apprentice agreements under which he or she is training, or in accordance with the rules and regulations of the California Apprenticeship Council.

13.9.2 Employment of Apprentices

Contractor agrees to comply with the requirements of Labor Code §1777.5. The Contractor awarded the Project, or any Subcontractor under him or her, when performing any of the Work under the Contract or subcontract, employs workers in any apprenticeable craft or trade, the Contractor and Subcontractor shall employ apprentices in the ratio set forth in Labor Code §1777.5. The Contractor or any Subcontractor must apply to any apprenticeship program in the craft or trade that can provide apprentices to the Project site for a certificate approving the contractor or subcontractor under the apprenticeship standards for the employment and training of apprentices in the area or industry affected. However, the decision of the apprenticeship program to approve or deny a certificate shall be subject to review by the Administrator of Apprenticeship. The apprenticeship program or programs, upon approving the Contractor or Subcontractor, shall arrange for the dispatch of apprentices to the Contractor or Subcontractor upon the Contractor's or Subcontractor's request. "Apprenticeable craft or trade" as used in this Article means a craft or trade determined as an apprenticeable occupation in accordance with the rules and regulations prescribed by the California Apprenticeship Council. The ratio of work performed by apprentices to journeyman employed in a particular craft or trade on the Project shall be in accordance with Labor Code §1777.5.

13.9.3 Submission of Contract Information

Prior to commencing Work on the Project, the Contractor and Subcontractors shall submit contract award information to the applicable apprenticeship program(s) that can supply apprentices to the Project and make the request for the dispatch of apprentices in accordance with the Labor Code. The information submitted shall include an estimate of journeyman hours to be performed under the Contract, the number of apprentices proposed to be employed, and the approximate dates the apprentices would be employed. A copy of this information shall also be submitted to the District if requested. Within 60 days after concluding Work on the Project, the Contractor and Subcontractors shall submit to the District, if requested, and to the apprenticeship program a verified statement of the journeyman and apprentice hours performed on the Project.

13.9.4 Apprentice Fund

The Contractor or any Subcontractor under him or her, who, in performing any of the Work under the Contract, employs journeymen or apprentices in any apprenticeable craft or trade shall contribute to the California Apprenticeship Council the same amount that the Director determines is the prevailing amount of apprenticeship training contributions in the area of the Project. The Contractor and Subcontractors may take as a credit for payments to the California Apprenticeship Council any amounts paid by the Contractor or Subcontractor to an approved apprenticeship program that can supply apprentices to the Project. The Contractor and Subcontractors may add the amount of the contributions in computing his or her bid for the Contract.

13.9.5 Prime Contractor Compliance

The responsibility of compliance with Article 13 and §1777.5 of the Labor Code for all apprenticeable occupations is with the Prime Contractor. Any Contractor or Subcontractor that knowingly violates the provisions of this Article or Labor Code §1777.5 shall be subject to the penalties set forth in Labor Code §1777.7.

13.10 ASSIGNMENT OF ANTITRUST CLAIMS

13.10.1 Application

Pursuant to Government Code § 4551, in entering into a public works contract or a subcontract to supply goods, services, or materials pursuant to a public works contract, the Contractor or Subcontractor offers and agrees to assign to the 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. § 15) or under the Cartwright Act (Chapter 2 [commencing with § 16700] of Part 2 of Division 7 of the Business and Professions Code), arising from the purchase of goods, services, or materials pursuant to the public works contract or the subcontract. This assignment shall be made and become effective at the time the awarding body tenders Retention Payment to the Contractor, without further acknowledgment by the parties. If the District receives, either through judgment or settlement, a monetary recovery for a cause of action assigned under Chapter 11 (commencing with § 4550) of Division 5 of Title 1 of the Government Code, the assignor shall be entitled to receive reimbursement for actual legal costs incurred and may, upon demand, recover from the District any portion of the recovery, including treble damages, attributable to overcharges that were paid by the assignor but were not paid by the District as part of the bid price, less the expenses incurred in obtaining that portion of the recovery.

13.10.2 Assignment of Claim

Upon demand in writing by the assignor, the District shall, within one (1) year from such demand, reassign the cause of action assigned pursuant to this Article if the assignor has been or may have been injured by the violation of law for which the cause of action arose and the District has not been injured thereby or the District declines to file a court action for the cause of action.

13.11 STATE AND DISTRICT CONDUCTED AUDITS

Pursuant to and in accordance with the provisions of Government Code § 10532, or any amendments thereto, all books, records, and files of the District, the Contractor, or any Subcontractor connected with the performance of this Contract involving the expenditure of state funds in excess of Ten Thousand Dollars (\$10,000.00), including, but not limited to, the administration thereof, shall be subject to the examination and audit of the Office of the Auditor General of the State of California for a period of five (5) years after Retention Payment is made or a Notice of Completion is Recorded, whichever occurs first. Contractor shall preserve and cause to be preserved such books, records, hard drives, electronic media, and files for the audit period.

Pursuant to the remedies under Public Contract Code section 9201 and Government Code section 930.2, Contractor, through execution of this Agreement, also agrees the District shall have the right to review and audit, upon reasonable notice, the books and records of the Contractor concerning any monies associated with the Project. The purpose of this "Audit" is to quickly and efficiently resolve Disputes or Claims based on the actual costs incurred and to reduce the uncertainty in resolving Disputes or Claims with limited information. The District shall perform any audits at its own cost and any such audit shall be performed by an independent auditor, having no direct or indirect relationship with the functions or activities being audited or with the business conducted by the Contractor or District. In the event the independent auditor determines that Change Orders, response to Request for Proposals, Disputes, Claims, or other requests for payment are in error, or have has any other concerns or questions, the Auditor shall report the results of the Audit findings to the District and provide a copy to the Contractor after giving the District Board the opportunity for at least 10 days review. If the Contractor disputes the findings of the independent auditor, such dispute shall be handled in the manner set forth under Article 4.6.2.

If Contractor having agreed to the terms of this Contract fails to produce books or records requested by Auditor, such failure to produce books or records that were required to be preserved for audit, it shall be presumed that the information contained in the withheld books or records were unfavorable to the Contractor and the Auditor shall note this refusal in the results of the Audit findings for further evaluation by the District and the District's Board. The refusal to release records that are concerning monies associated with the Project may be used as a grounds to debar the Contractor under Article 15 for failure to preserve records under Article 13.11 and the failure to produce required audit records may also be used as a grounds for a negative finding against the Contractor depending on the significance of the records that are withheld by Contractor. Failure to produce job cost data tied to job cost categories and budgets shall be presumed an intentional failure to produce key audit records. Similarly, failure to produce Daily Reports (prepared at or near the time of the Work actually took place (See Article 3.16) shall be presumed an intentional failure to produce key audited records.

If Contractor is seeking costs for inefficiency, home office overhead, or unanticipated increased costs due to delays or acceleration, Contractor shall also produce copies of the original bid tabulation utilized in submitting Contractor's bid for the Project. This document shall be considered confidential and shall not be subject to disclosure through a Public Records Act and shall not be distributed

to anyone other than the District and the District's counsel. This bid tabulation shall only be used in litigation, arbitration, evaluation of Claims or Disputes, Audit, and trial. If the records for the bid tabulation are kept on a computer, the Contractor shall also produce all metadata (in native format) that accompanies the bid tabulation for inspection to prove the authenticity of the underlying bid tabulation. Failure to produce the bid tabulation for review of inefficiency, home office overhead, or unanticipated increased costs due to delays or accelerations shall be considered material evidence that the bid tabulation was not favorable to the Contractor. This evidence shall be entered as a jury instruction for trial that the bid tabulation was not produced and the bid tabulation information was unfavorable to the Contractor. The evidence may also be used in debarment proceedings, and noted as an exception to an Audit findings.

Upon notification of Contractor concerning the results of the audit and a reasonable time has passed for Contractor to respond to the Audit findings and if either there is no Dispute of the Audit findings under Article 4.6 or if the result after utilizing the Disputes Clause confirms the Audit findings, the District may seek reimbursement for overstated Disputes, Claims, or Change Orders and may also undertake debarment proceedings under Article 15 of these General Conditions.

13.12 STORM WATER POLLUTION PREVENTION

13.12.1 Application

This Section addresses the preparation, implementation and monitoring of a Storm Water Pollution Prevention Plan (SWPPP) for the purpose of preventing the discharge of pollutants from the construction site. This includes the elimination of pollution discharges such as improper dumping, spills or leakage from storage tanks or transfer areas. The District will not issue a Notice to Proceed until Contractor has prepared by a qualified individual and obtained approval of the Permit Registration Documents ("PRDs") that include a Notice of Intent, Construction Risk Calculation, Site Map, SWPPP, Annual Fee and any additional required documents from all applicable Local Governing Agencies including the Regional Water Quality Control Board. The Contractor shall also secure a certification that the Project has met all of the conditions of the General Construction Activity Storm Water Permit (GCASP) and comply with all applicable local, state and federal regulations governing storm water pollution prevention.

13.12.2 References and Materials

- California Stormwater Quality Association New Development and Redevelopment Best Management Practice Handbook
- 2009 California Stormwater Quality Association Construction BMP Handbook .
- State Water Resources Control Board (2009). Order 2009-0009-DWQ, NPDES General Permit No. CAS000002: Waste Discharge Requirements for Discharges of Storm Water Runoff Associated with Construction and Land Disturbing Activities. Available on-line at:
- http://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.shtml.- Use materials of a class, grade and type needed to meet the performance described in the BMP Handbook.

13.12.3 Preparation and Approval

The Contractor shall prepare by a qualified individual the PRDs that include a Notice of Intent, Construction Risk Calculation, Site Map, SWPPP, Annual Fee and any additional required documents. The Contractor's Qualified SWPPP Developer ("QSD") shall prepare the Storm Water Pollution Prevention Plan (SWPPP) as required to comply with storm water pollution regulations for project sites with storm water discharges associated with construction activity such as clearing or demolition, grading, excavation and other land disturbances. The SWPPP shall apply to all areas that are directly related to construction activity, including but not limited to staging areas, storage yards, material borrow areas, and access roads.

13.12.3.1 The Contractor shall prepare and submit to the Local Governing Agencies and the District the SWPPP for review and approval if the project sites, new or existing, with land disturbance of 1 or more acres (or less than 1 acres if part of a common plan of development); the construction activity that results in land surface disturbances of less than one acre is part of a larger common plan of development or sale of one or more acres of disturbed land surface; or the construction activity associated with Linear Underground/Overhead Projects ("LUPs") including, but not limited to, those activities necessary for the installation of underground and overhead linear facilities (e.g., conduits, substructures, pipelines, towers, poles, cables, wires, connectors, switching, regulating and transforming equipment and associated ancillary facilities) and include, but are not limited to, underground utility mark-out, potholing, concrete and asphalt cutting and removal, trenching, excavation, boring and drilling, access road and pole/tower pad and cable/wire pull station, substation construction, substructure installation, construction of tower footings and/or foundations, pole and tower installations, pipeline installations, welding, concrete and/or pavement repair or replacement, and stockpile/borrow locations.

13.12.3.2 The Contractor shall also pay annual renewal fee(s) until the contract is completed and make all such checks payable to the State Water Resources Control Board. The Notice of Intent must be submitted at least two weeks prior to the commencement of construction activities.

13.12.3.3 The Contractor shall prepare the SWPPP by following the format in Sections 2, 3, 4 and Appendices A through F of the California Stormwater BMP Handbook - Construction, January 2009 edition, published by the California Stormwater Quality Association. The publication is available from:

California Stormwater
Quality Association
P.O. Box 2105
Menlo Park, CA 94026-2105

Phone: (650) 366-1042
E-mail: info@casqa.org

or

<https://www.casqa.org/store/products/tabid/154/p-167-construction-handbookportal-initial-subscription.aspx>

13.12.3.4 Where land disturbance is less than 1 acre, any BMPs indicated in the BMP Handbook needed to prevent or minimize storm water pollution shall be implemented at no extra cost to the District.

13.12.3.5 Within two weeks after Award of Contract by the District, the Contractor shall submit to the District's Civil Engineer one copy of the PRDs including the SWPPP for review. After the District's approval, the Contractor shall provide approved copies of the SWPPP as follows: one copy each to the Project Inspector, Construction Manager, Architect, Commissioned Architect and District's Civil Engineer.

13.12.4 Implementation

The Contractor shall implement the Storm Water Pollution Prevention Plan by doing the following:

- a. Obtain a Waste Discharger Identification (WDID) number from the SWRCB before beginning construction. This number will be issued once your PRDs are administratively accepted and fee is received.
- b. Keep the SWPPP, REAPs, monitoring data on the construction site.
- c. Employ a Qualified SWPPP Practitioner (QSP) to implement the SWPPP during construction and develop Rain Event Action Plans ("REAPs").
- d. Install, inspect, maintain and monitor BMPs required by the General Permit.
- e. Install perimeter controls prior to starting other construction work at the site.
- f. Contain on-site storm water at the jobsite. Do not drain on-site water directly into the storm drain.
- g. Implement the SWPPP.
- h. Provide SWPPP and BMP implementation training for those responsible for implementing the SWPPP.
- i. Designate trained personnel for the proper implementation of the SWPPP.
- j. Conduct monitoring, as required, and assess compliance with the Numeric Action Levels (NALs) or Numeric Effluent Limitations (NELs) appropriate to your project.
- k. Report monitoring data:
 1. Maintain a paper or electronic copy of all required records for three years from the date generated or date submitted, whichever is last. These records must be available at the construction site until construction is completed.

2. Have a QSD revise the SWPPP as needed to reflect the phases of construction and to suit changing site conditions and instances when properly installed systems are ineffective.
 3. Assist the District with entering any necessary data or information into the Stormwater Multi-Application and Reporting System (“SMARTS”) system.
1. At the end of Construction Contract:
 1. Submit Notice of Termination (NOT) into the SMARTS when construction is complete and conditions of termination listed in the NOT have been satisfied. A copy of the NOT can be found at: http://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.shtml.
 2. Leave in place storm water pollution prevention controls needed for post-construction storm water management and remove those that are not needed as determined by the District. Thereafter, left-in-place controls will be maintained by the District.
 3. Provide Site Monitoring Reports, SWPPP revisions, Compliance Certifications and related documents to the District. Post-construction storm water operation and management plan as mentioned in the compliance certifications are considered to be in place at the end of the Construction Contract.

13.12.5 Monitoring

The Contractor shall conduct examination of storm water pollution prevention controls as required by the State Water Resources Control Board (2009). Order 2009-0009-DWQ, NPDES General Permit No. CAS000002: Waste Discharge Requirements for Discharges of Storm Water Runoff Associated with Construction and Land Disturbing Activities. This includes properly qualified personnel performing all required monitoring, testing, inspections and monitoring. The Contractor shall also conduct examination of storm water pollution prevention controls, as well as before and after each storm event in compliance with the State Water Resources Control Board Order No. 2009-0009-DWQ, National Pollutant Discharge Elimination System General Permit No. CAS000002, Waste Discharge Requirements for Discharges of Storm Water Runoff Associated with Construction and Land Disturbance Activities (General Permit) (SWRCB, 2009).and at least once each 24-hour period during extended storm events to identify BMP effectiveness and implement repairs or BMP changes as soon as feasible. All maintenance related to a storm event should be completed within 48 hours of the storm event. The Contractor shall also prepare and maintain, at the jobsite, a log of each inspection using Site Monitoring Report forms.

13.12.6 Liabilities and Penalties

- a. Review of the SWPPP and inspection logs by the District shall not relieve the Contractor from liabilities arising from non-compliance with storm water pollution regulations.

- b. Payment of penalties for non-compliance by the Contractor shall be the sole responsibility of the Contractor and will not be reimbursed by the District.
- c. Compliance with the Clean Water Act pertaining to construction activity is the sole responsibility of the Contractor. For any fine(s) levied against the District due to non-compliance by the Contractor, the District will deduct from the final payment due the Contractor the total amount of the fine(s) levied on the District, plus legal and associated costs.
- d. The Contractor shall submit to the District a completed NOI for change of information (Construction Site Information and Material Handling/Management Practices).

ARTICLE 14
TERMINATION OR SUSPENSION OF THE CONTRACT

14.1 TERMINATION BY THE CONTRACTOR FOR CAUSE

14.1.1 Grounds for Termination

The Contractor may terminate the Contract if the Work is stopped for a period of thirty (30) consecutive days through no act or fault of the Contractor, a Subcontractor, a Sub-subcontractor, their agents or employees, or any other persons performing portions of the Work for whom the Contractor is contractually responsible, for only the following reasons:

- a. Issuance of an order of a court or other public authority having jurisdiction; or
- b. An act of the United State or California government, such as a declaration of national emergency.

14.1.2 Notice of Termination

If one of the above reasons exists, the Contractor may, upon written notice of seven (7) additional days to the District, terminate the Contract and recover from the District payment for Work executed and for reasonable costs verified by the Architect with respect to materials, equipment, tools, construction equipment, and machinery, including reasonable overhead, profit, and damages.

14.2 TERMINATION BY THE DISTRICT FOR CAUSE

14.2.1 Grounds for Termination

The District may terminate the Contractor and/or this Contract for the following reasons:

- a. Persistently or repeatedly refuses or fails to supply enough properly skilled workers or proper materials;
- b. Persistently or repeatedly is absent, without excuse, from the job site;
- c. Fails to make payment to Subcontractors, suppliers, materialmen, etc.;
- d. Persistently disregards laws, ordinances, rules, regulations, or orders of a public authority having jurisdiction;
- e. Fails to provide a schedule or fails or refuses to update schedules required under the Contract;
- f. Falls behind on the Project and refuses or fails to undertake a Recovery Schedule;
- g. If the Contractor has been debarred from performing Work

- h. Becomes bankrupt or insolvent, including the filing of a general assignment for the benefit of creditors; or
- i. Otherwise is in substantial breach of a provision of the Contract Documents.

14.2.2 Notification of Termination

When any of the above reasons exist, the District may, without prejudice to any other rights or remedies of the District and after giving the Contractor and the Contractor's Surety written notice of seven (7) days, terminate the Contractor and/or this Contract and may, subject to any prior rights of the Surety:

- a. Take possession of the Project and of all material, equipment, tools, and construction equipment and machinery thereon owned by the Contractor;
- b. Accept assignment of Subcontracts. Contractor acknowledges and agrees that if the District (in its sole and absolute discretion) decides to takeover completion of the Project, the Contractor agrees to immediately assign all subcontracts to the District which the District has chosen to accept;
- c. Complete the Work by any reasonable method the District may deem expedient, including contracting with a replacement contractor or contractors; and,
- d. Agree to accept a takeover and completion arrangement with Surety that is acceptable to the District Board.

14.2.3 Takeover and Completion of Work after Termination for Cause

A Termination for Cause is an urgent matter which requires immediate remediation since Project Work is open and incomplete, the site is subject to vandalism and theft, the Project site is considered a public nuisance, and there is a possibility of injury and deterioration of the Project Work and materials. Thus, the District shall be entitled to enter a takeover contract to either remediate the unfinished condition or complete the Work for this Project.

14.2.4 Payments Withheld

If the District terminates the Contract for one of the reasons stated in Article 14.2.1, the Contractor shall not be entitled to receive further payment until the Work is complete. All costs associated with the termination and completion of the Project shall be the responsibility of the Contractor and/or its Surety.

14.2.5 Payments upon Completion

If the unpaid balance of the Contract Sum exceeds costs of completing the Work, including compensation for professional services and expenses made necessary thereby, such excess shall be paid to the Contractor. If such costs exceed the unpaid balance, the Contractor and its Surety shall pay the difference to the District. The amount to be paid to the Contractor, or District, as the case may be, shall be certified by the Architect upon application. This payment obligation shall survive completion of the Contract.

14.3 TERMINATION OF CONTRACT BY DISTRICT (CONTRACTOR NOT AT FAULT)

14.3.1 Termination for Convenience

District may terminate the Contract upon fifteen (15) calendar days of written notice to the Contractor and use any reasonable method the District deems expedient to complete the Project, including contracting with replacement contractor or contractors, if it is found that reasons beyond the control of either the District or Contractor make it impossible or against the District's interest to complete the Project. In such a case, the Contractor shall have no Claims against the District except for: (1) the actual cost for approved labor, materials, and services performed in accordance with the Contract Documents which have not otherwise been previously paid for and which are supported and documented through timesheets, invoices, receipts, or otherwise; and (2) profit and overhead of ten percent (10%) of the approved costs in item (1); and (3) termination cost of five percent (5%) of the approved costs in item (1). Contractor acknowledges and agrees that if the District (in its sole and absolute discretion) decides to takeover completion of the Project, the Contractor agrees to immediately assign all subcontracts to the District which the District has chosen to accept.

14.3.2 Non-Appropriation of Funds/ Insufficient Funds

In the event that sufficient funds are not appropriated to complete the Project or the District determines that sufficient funds are not available to complete the Project, District may terminate or suspend the completion of the Project at any time by giving written notice to the Contractor. In the event that the District exercises this option, the District shall pay for any and all work and materials completed or delivered onto the site for which value is received, and the value of any and all work then in progress and orders actually placed which cannot be canceled up to the date of notice of termination. The value of work and materials not otherwise already paid for by the District up to the time of termination under this Paragraph shall include a factor of fifteen percent (15%) for the Contractor's overhead and profit and there shall be no other costs or expenses paid to Contractor. All work, materials and orders paid for pursuant to this provision shall become the property of the District. District may, without cause, order Contractor in writing to suspend, delay or interrupt the Project in whole or in part for such period of time as District may determine. Adjustment shall be made for increases in the cost of performance of the Agreement caused by suspense, delay or interruption.

14.4 REMEDIES OTHER THAN TERMINATION

If a default occurs, the District may, without prejudice to any other right or remedy, including, without limitation, its right to terminate the Contract pursuant to Article 14.2, do any of the following:

- a. Permit the Contractor to continue under this Contract, but make good such deficiencies or complete the Contract by whatever method the District may deem expedient, and the cost and expense thereof shall be deducted from the Contract Price or paid by the Contractor to the District on demand;
- b. If the workmanship performed by the Contractor is faulty or defective materials are provided, erected or installed, then the District may order the Contractor to remove the faulty workmanship or defective materials and to replace the same with work or materials that conform to the Contract Documents, in which event the Contractor, at its sole costs and expense, shall proceed in accordance with the District's order and complete the same within the time period given by the District in its notice to the Contractor; or

- c. Initiate procedures to declare the Contractor a non-responsible bidder for a period of two (2) to five (5) years thereafter.

All amounts expended by the District in connection with the exercise of its rights hereunder shall accrue interest from the date expended until paid to the District at the maximum legal rate. The District may retain or withhold any such amounts from the Contract Price. If the Contractor is ordered to replace any faulty workmanship or defective materials pursuant to Paragraph (b) above, the Contractor shall replace the same with new work or materials approved by the Architect and the District, and, at its own cost, shall repair or replace, in a manner and to the extent the Architect and the District shall direct, all Work or material that is damaged, injured or destroyed by the removal of said faulty workmanship or defective material, or by the replacement of the same with acceptable work or materials. In no event shall anything in this Article be deemed to constitute a waiver by the District of any other rights or remedies that it may have at law or in equity, it being acknowledged and agreed by the Contractor that the remedies set forth in this Article are in addition to, and not in lieu of, any other rights or remedies that the District may have at law or in equity.

**ARTICLE 15
DEBARMENT**

15.1 DEBARMENT MEANS THERE HAS BEEN A FINDING THAT THE CONTRACTOR IS NOT RESPONSIBLE.

During the course of the Project, or if it is determined through Change Orders, Claims, or Audit that a Contractor is not responsible, the District may, in addition to other remedies provided in the Contract, debar the Contractor from bidding or proposing on, or being awarded, and/or performing work on District contracts for a specified period of time, which generally will not exceed five (5) years, but may exceed five (5) years or be permanent if the circumstances warrant such debarment. In addition to the debarment proceeding, a finding that a Contractor is to be debarred shall result in the termination of any or all existing Contracts the Contractor may have with the District.

15.2 BOARD FINDING

The District may debar a Contractor if the Board, or the Board's delegatee, in its discretion, finds the Contractor has done any of the following:

15.2.1 Intentionally or with reckless disregard, violated any term of the Contract with the District

15.2.2 Committed an acts or omission which reflects on the Contractor's quality, fitness or capacity to perform Work for the District;

15.2.3 Committed an act or offense which indicates a lack of business integrity or business honesty; or,

15.2.4 Made or submitted a false claim against the District or any other public entity.

15.3 HEARING AND PRESENTATION OF EVIDENCE

If there is evidence that the Contractor may be subject to debarment, the District shall notify the Contractor in writing of the evidence which is the basis for the proposed debarment and shall advise the Contractor of the scheduled date for a debarment hearing before the District Board or its delegated designee.

The District Board, or designee, shall conduct a hearing where evidence on the proposed debarment is presented. The Contractor or the Contractor's representative shall be given an opportunity to submit evidence at the hearing. The Contractor shall be provided an adequate amount of time to prepare and object to evidence presented. A tentative proposed decision shall be issued as a tentative decision and the District shall be entitled to modify, deny or adopt the proposed decision. The proposed decision shall contain a recommendation regarding whether the Contractor should be debarred, and, if so, the appropriate length of time of the debarment. The Contractor and the District shall be provided an opportunity to object to the tentative proposed decision for a period of 15 days. If additional evidence is presented, the District shall evaluate this evidence and either issue an amended ruling, issue the same ruling, or call a further hearing.

If a Contractor has been debarred for a period of longer than five (5) years, that Contractor may after the debarment has been in effect for at least five (5) years, submit a written request for review of the debarment determination to reduce the period of debarment or terminate the debarment. The District may, in its discretion, reduce the period of debarment or terminate the debarment if it finds that the Contractor has adequately demonstrated one or more of the following: (1) elimination of the grounds for which the debarment was imposed; (2) a bona fide change in ownership or management; (3) material evidence discovered after debarment was imposed; or (4) any other reason that is in the best interests of the District.

The District will consider a request for review of a debarment determination only where: (1) the Contractor has been debarred for a period longer than five (5) years; (2) the debarment has been in effect for at least five (5) years; and (3) the request is in writing, states one or more of the grounds for reduction of the debarment period or termination of the debarment, and includes supporting documentation. Upon receiving an appropriate request, the District will provide notice of the hearing on the request. At the hearing, the District shall review evidence on the proposed reduction of debarment period. This hearing shall be conducted and the request for review decided by the District pursuant to the same procedures as for a debarment hearing.

The District’s proposed decision shall contain a recommendation on the request to reduce the period of debarment or terminate the debarment.

The terms shall also apply to Subcontractors of Contractor.

SUPPLEMENTAL GENERAL CONDITIONS

ARTICLE 8 – TIME

Article 8 Schedule Inclusion Requirements – The Baseline Schedule shall include the following Milestone Schedule:

Milestone Event	Completion Date
Notice to Proceed Issued	June 4, 2024
Submittal Schedule Deadline	5 days after Notice to Proceed
Site Mobilization	July 1, 2024
Substantial Completion	August 2, 2024
Punch List/De-Mobilization	August 5, 2024
Final Completion	August 9, 2024

DOCUMENT 01 11 00

SUMMARY OF WORK

MACY ELEMENTARY SCHOOL FLOORING ABATEMENT; CUPCAA BID #202324-001

1. RELATED DOCUMENTS AND PROVISIONS:

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions, including, without limitation, Site Access Conditions and Requirements;
- B. Supplemental General Conditions

2. SUMMARY OF WORK COVERED BY CONTRACT DOCUMENTS

The Work of this Contract consists of the following:

Per plans, specifications and other documents for this project and all addenda, amendments, changes or modifications approved by the District and including: Abate/remove and dispose of existing flooring, flooring adhesive, and wall base materials. Install new flooring material and wall base as specified in the areas identified in the plans and specifications. Relocate existing classroom furniture/boxes to Contractor provided weatherproof storage containers, and return items to classrooms upon completion of work.

3. WORK BY OTHERS

- A. Work on the Project that will be performed and completed prior to the start of the Work of this Contract: N/A
- B. Work on the Project that will be performed by others concurrent with the Work of this Contract: N/A

4. EXISTING CONDITIONS

- A. The reports and other data or information regarding existing conditions and underground facilities at or contiguous to the Project may be obtained through the District.

5. CODES, REGULATIONS, AND STANDARDS

- A. The codes, regulations, and standards adopted by the state and federal agencies having jurisdiction shall govern minimum requirements for this project. Where codes, regulations, and standards conflict with the Contract Documents, these conflicts shall be brought to the immediate attention of the District and the Architect for review and resolution.
- B. Codes, regulations, and standards shall be as published effective as of date of bid opening, unless otherwise specified or indicated.

6. PROJECT RECORD DOCUMENTS:

- A. Contractor shall maintain on Site one set of the following record documents; Contractor shall record actual revisions to the Work:
 - 1. Contract Drawings
 - 2. Specifications
 - 3. Addenda
 - 4. Change Orders, directives and other modifications to the Contract
 - 5. Construction Change Directives (CCD's)
 - 6. Reviewed shop drawings, product data, and samples
 - 7. Field test records
 - 8. Inspection certificates
 - 9. Manufacturer's certificates and material data sheets
 - 10. Updated Project Schedule and Weekly Schedule
- B. Contractor shall store Record Documents separate from documents used for construction. Provide files, racks, and secure storage for Record Documents and samples. All Record Documents shall be available to the District, Construction Manager or Architect for review, inspection or reproduction upon advance written request.
- C. Contractor shall record information concurrent with construction progress.
- D. Specifications: Contractor shall legibly mark and record at each product section of the Specifications with the description of the actual product(s) installed, including the following:
 - 1. Manufacturer's name and product model and number
 - 2. Product substitutions or alternates utilized
 - 3. Changes made by Addenda, Change Orders, CCD's and written directives.

7. EXAMINATION OF EXISTING CONDITIONS

- A. Contractor shall examine the Project Site and acquaint itself with the conditions of the Site and of the streets or roads approaching the Site. See Article 4 General Conditions for more information.
- B. Prior to commencement of Work, Contractor shall survey the Site and existing buildings and improvements to observe existing damage and defects such as cracks, sags, broken, missing or damaged glazing, other building elements and Site improvements, and other damage.

1. Should Contractor observe cracks, sags, and other damage to and defects of the Site and adjacent buildings, paving, and other items not indicated in the Contract Documents, Contractor should immediately report it to the District and the Architect.
- C. Contractor shall document such damage prior to the start of construction. Provide District with a copy of documentation.

8. CONTRACTOR'S USE OF SITE

- A. Contractor shall have use of the Site for the execution of the Work. If the Site is occupied, the Contractor's use of the Site shall be coordinated with other occupants' use of the Site.
- B. Coordinate use of the Site under the direction of the District.
- C. If unoccupied and only with District's prior written approval, Contractor may use the building(s) at the Project Site without limitation for its operations, storage, and office facilities for the performance of the Work. If the District chooses to beneficially occupy any building(s), Contractor must obtain the District's written approval for Contractor's use of spaces and types of operations to be performed within the building(s) while so occupied. Contractor's access to the building(s) shall be limited to the areas indicated.
- D. If the space at the Project Site is not sufficient for Contractor's operations, storage, office facilities and/or parking, Contractor shall arrange and pay for any additional facilities needed by Contractor without adjustment of the Contract Price or Contract Time.
- E. Contractor shall not interfere with use of or access to occupied portions of the building(s) or adjacent property.
- F. Contractor shall maintain existing building in weather-tight conditions throughout construction period. Repair damage caused by construction operations to the condition existing before damage; repairs shall be subject to District acceptance. Take all precautions necessary to protect building and its occupants during construction.
- G. Contractor shall maintain corridors, stairs, halls, and other exit-ways of building clear and free of debris and obstructions at all times.
- H. Contractor shall keep driveways and entrances serving premises clear and accessible to the District, District's employees, and emergency vehicles at all times. Do not use these areas for parking or storage of materials. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on site.
- I. No one other than those directly involved in the demolition and construction, or specifically designated by the District or the Architect shall be permitted in the areas of work during demolition and construction activities.
- J. The Contractor shall install the construction security fence and maintain the security fence with fabric for the entire duration of construction. The security fence must include a lockable gate and sound blankets around all perimeter fencing. Sound blankets are to be that the Contractor is responsible for locking when the Site is not in use. Keys to this fencing will be provided to the District.

9. PROTECTION OF EXISTING STRUCTURES AND UTILITIES

- A. The Drawings show above-grade and below-grade structures, utility lines, and other installations that are known or believed to exist in the area of the Work. Contractor shall locate these existing installations before proceeding with excavation and other operations that could damage same; maintain them in service, where appropriate; and repair damage to them caused by the performance of the Work. Should damage occur to these existing installations, the costs of repair shall be at the Contractor's expense and made to the District's satisfaction.
- B. Contractor shall be alert to the possibility of the existence of additional structures and utilities. If Contractor encounters additional structures and utilities, Contractor will immediately report to the District for disposition of same as indicated in the General Conditions.

10. UTILITY SHUTDOWNS AND INTERRUPTIONS

- A. Contractor shall give the District a minimum of three (3) days written notice in advance of any need to shut off existing utility services or to effect equipment interruptions. The District will set exact time and duration for shutdown, and will assist Contractor with shutdown. Work required to re-establish utility services should be performed by the Contractor without adjustment of the Contract Time or the Contract Price.
 - 1. In the event any utility service is interrupted without a minimum of three (3) days written notice in advance, Contractor shall be financially liable for all damages suffered by District due to unauthorized interruption.
- B. Contractor shall obtain District's written approval as indicated in the General Conditions in advance of deliveries of material or equipment or other activities that may conflict with District's use of the building(s) or adjacent facilities.

11. STRUCTURAL INTEGRITY

- C. Contractor shall be responsible for and supervise each operation and work that could affect structural integrity of various building elements, both permanent and temporary.
- D. Contractor shall include structural connections and fastenings as indicated or required for complete performance of the Work.

END OF DOCUMENT 01 11 00
DOCUMENT 01 25 13

PRODUCT OPTIONS AND SUBSTITUTIONS

1. RELATED DOCUMENTS AND PROVISIONS

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. Instructions to Bidders;
- B. General Conditions, including, without limitation, Substitutions For Specified Items;
- C. Supplemental General Conditions.

2. SUBSTITUTIONS OF MATERIALS AND EQUIPMENT:

- A. Contractor to submit request for product substitution to the Construction Manager and David Bennett, Assistant Superintendent, Business Services, for approval ten (10) days prior to the bid opening date.
- B. Catalog numbers and specific brands or trade names followed by the designation 'or equal' are used in conjunction with material and equipment required by the Specifications to establish the standards of quality, utility, and appearance required. Substitutions which are equal in quality, utility, and appearance to those specified may be reviewed subject to the provisions of the General Conditions, including limits on the time for submitting requests to substitute an alternative to a specified product.
- C. Wherever more than one manufacturer's product is specified, the first-named product is the basis for the design used in the work and the use of alternative-named manufacturers' products or substitutes may require modifications in that design. A product substitution request may be rejected if the proposed substitution requires modifications to the design or the Work to accommodate use of such proposed alternative product. If such alternatives are proposed by Contractor and are approved by the District and/or the Architect, Contractor shall assume all costs required to make necessary revisions and modifications of the design resulting from the substitutions requested by the Contractor; including any costs from DSA. Contractor assumes liability for any time delays caused by the substitution.

- D. When materials and equipment are specified by first manufacturer's name and product number, second manufacturer's name and 'or approved equal,' supporting data for the second product, if proposed by Contractor, shall be submitted in accordance with the requirements for substitutions.
- E. If the District and/or Architect, in reviewing proposed substitute materials and equipment, require revisions or corrections to be made to previously accepted Shop Drawings and supplemental supporting data to be resubmitted, Contractor shall promptly do so. If any proposed substitution is judged by the District and/or Architect to be unacceptable, the specified material or equipment shall be provided.
- F. Samples may be required. Tests required by the District and/or Architect for the determination of quality and utility shall be made at the expense of Contractor, with acceptance of the test procedure first given by the District.
- G. In reviewing the supporting data submitted for substitutions, the District and/or Architect will use for purposes of comparison all the characteristics of the specified material or equipment as they appear in the manufacturer's published data even though all the characteristics may not have been particularly mentioned in the Contract Documents. If more than two (2) submissions of supporting data for a proposed product substitution are required, the cost of reviewing the additional supporting data shall be borne by Contractor, and the District will deduct the costs from the Contract Price.

END OF DOCUMENT 01 25 13

DOCUMENT 01 29 00

**APPLICATION FOR PAYMENT, AND CONDITIONAL AND UNCONDITIONAL
WAIVER, AND RELEASE FORMS**

1. GENERAL INFORMATION

- A. The Pay Application is to be completed in conjunction with Schedule of Values (SOV) form, unless the contractor has received prior written authorization from the District.
- B. Application and Certificate for Payment, documents are designed to be used on a project where a Contractor has a direct Agreement with the District.

2. COMPLETING THE PAY APPLICATION FORM

After the Contractor has received an approved SOV, it is to be transferred to the Pay Application process.

3. MAKING PAYMENT

The District will make payment directly to the Contractor based on the amount certified by the Project Inspector, Construction Manager, and Architect/Engineer on the approved Pay Application. The completed form contains the name and address of the Contractor. Payment will not be made to any other party.

4. APPLICATION FOR PAYMENT

Contractor shall comply with all provisions in the general conditions related to applications for payment and/or payments.

5. WAVIER AND RELEASE FORMS

Contractor shall submit the appropriate forms of waiver and release (completed and executed by the Contractor and all Subcontractors receiving a portion of the payment requested) when submitting an Application for Payment.

6. INSTRUCTIONS FOR COMPLETION OF PAY APPLICATION & SCHEDULE OF VALUES

- A. The Application for Payment is to be used in conjunction with Schedule of Values, Continuation Sheet. These documents are designed to be used on a project where a Contractor has a direct Agreement with the District. Procedures for their use are as follows.

- B. Line 1 – ‘Original Contract Amount’: This needs to equal the amount of the original signed contract, not including any changes. This also needs to equal Column C on the Schedule of Values (if there are no Change Orders this will equal the total at the bottom, if there are Change Orders this will equal the sub-total).
- C. Line 2 – ‘Net Change by Change Orders’: This needs to equal all Board Approved Change Orders. The Change Order information needs to be added in the bottom section of the SOV, listing the COP’s separately along with their amounts in Column C. NOTE: Change Order needs to list the COP’s and the site they are tied to for any multi-site project. ADD’L NOTE: All change orders need to be board approved prior to being listed on the Pay App.
- D. Line 3 – ‘Contract Amount to Date’: The addition of Lines 1 and 2. This should still equal the Total of Column C on the SOV.
- E. Line 4 – ‘Total Completed and Stored to Date’: Total work done as of the date listed on the Pay App. Needs to be agreed to by District Representative. On the first pay app, this will equal Column E and G on the SOV. NOTE: On subsequent Pay Apps, the amount from Column E gets moved and added to Column D so Column E only equals the current amount being requested. The total on Column E less 5% always equals Line 8 on Pay App ‘Current Payment Due’. The 5% Retainage should automatically fill in Column I when Column E is filled out for the current payment due.
- F. Line 5 – ‘Retainage’: This is 5% of Line 4. This will also equal Column I on the SOV.
- G. Line 6 – ‘Total Earned Less Retainage’: Line 4 minus Line 5. This will also equal Column G less 5% on SOV.
- H. Line 7 – ‘Less Previously Approved Certificates for Payment’: Total of all applications previously turned in for payment.
- I. Line 8 – ‘Current Payment Due’: Line 6 less Line 7. Also equals Column E less 5% on SOV.
- J. Line 9 – ‘Balance to Finish, Including Retainage’: Line 3 less Line 6 on Pay App This is will also equal Column H plus Column I on SOV.
- K. NOTES:
 - 1. Column C, ‘Scheduled Value’ on SOV amounts down to the sub-total will never change.
 - 2. If the project calls for an allowance there needs to be an ‘Allowance’ line item on SOV.
 - 3. If it is for a multi-site project, SOV needs to be reflective of each site, or there needs to be an SOV for each site so charging correct accounts is able to be figured easily.
 - 4. Pay Applications will not be processed if As-builts are not up to date and signed off by District and/or inspector. Pay Applications will not be processed if base line schedule is not current.
 - 5. Column F on SOV, any stored items must be in a bonded facility; this is spelled out in the General Conditions and MUST be approved by LJSD.
 - 6. Please note that IF this is a multi-site project, when invoicing is created it will need to reflect a breakdown of how much was done at each site. This will assist the office staff in accounting accurately by site.

7. COMPLETING THE APPLICATION FOR PAYMENT FORM:

- A. After the Contractor has completed Schedule of Values, Continuation Sheet, summary information should be transferred to the Application for Payment.
- B. The Contractor should submit a draft copy to have the numbers verified by the Project Inspector and Construction Manager prior to submitting electronically.
- C. The Project Inspector and Construction Manager will review and sign the Application for Payment noting the Work verified as completed and the amount due the Contractor for verified completed Work. Forward the completed and fully executed (Contractor, Project Inspector and Construction Manager) Application for Payment to the District for processing.

- D. Unless otherwise stated in the Contract Documents, Retention equal to five percent (5%) of the amount approved for payment on each Application for Payment will be withheld by the District.
- E. Change Orders: Change Orders are listed separately at the end of the basic schedule under the heading Approved Change Orders to Date. The amount of the original contract adjusted by Change Orders is to be entered in the appropriate location on the APPLICATION FOR PAYMENT form.

8. VERIFICATION OF CERTIFIED PAYROLL RECORDS SUBMITTED

This form must be submitted with each Application for Payment, except for the final Payment Application, which is for the retainage only. See section 4.18.2 of the General Conditions for more information.

END OF DOCUMENT 01 29 00

LOWELL JOINT SCHOOL DISTRICT

CUPCCAA Bid No. 202324-001

Macy Elementary School Flooring Abatement

CONDITIONAL WAIVER AND RELEASE ON FINAL PAYMENT

California Civil Code Section 8136

NOTICE: THIS DOCUMENT WAIVES THE CLAIMANT’S LIEN, STOP PAYMENT NOTICE, AND PAYMENT BOND RIGHTS EFFECTIVE ON RECEIPT OF PAYMENT. A PERSON SHOULD NOT RELY ON THIS DOCUMENT UNLESS SATISFIED THAT THE CLAIMANT HAS RECEIVED PAYMENT.

Identifying Information

Name of Claimant:	
Name of Customer:	Lowell Joint School District
Job Location:	2301 W. Russell St., La Habra, CA 90631
Owner:	Lowell Joint School District

Conditional Waiver and Release

This document waives and releases lien, stop payment notice, and payment bond rights the claimant has for labor and service provided, and equipment and material delivered, to the customer on this job. Rights based upon labor or service provided, or equipment or material delivered, pursuant to a written change order that has been fully executed by the parties prior to the date that this document is signed by the claimant, are waived and released by this document, unless listed as an Exception below. This document is effective only on the claimant’s receipt of payment from the financial institution on which the following check is drawn:

Maker of Check:	
Amount of Check:	
Check Payable to:	

Exceptions:

This document does not affect any of the following:

Disputed claims for extras in the amount of: \$ _____

Signatures:

Claimant’s Signature: _____ Date of Signature: _____

Claimant’s Printed Name: _____ Claimant's Title: _____

LOWELL JOINT SCHOOL DISTRICT

CUPCCAA Bid No. 202324-001

Macy Elementary School Flooring Abatement

CONDITIONAL WAIVER AND RELEASE ON PROGRESS PAYMENT

California Civil Code Section 8132

NOTICE: THIS DOCUMENT WAIVES THE CLAIMANT’S LIEN, STOP PAYMENT NOTICE, AND PAYMENT BOND RIGHTS EFFECTIVE ON RECEIPT OF PAYMENT. A PERSON SHOULD NOT RELY ON THIS DOCUMENT UNLESS SATISFIED THAT THE CLAIMANT HAS RECEIVED PAYMENT.

Identifying Information

Name of Claimant:	
Name of Customer:	Lowell Joint School District
Job Location:	2301 W. Russell St., La Habra, CA 90631
Owner:	Lowell Joint School District

Conditional Waiver and Release

This document waives and releases lien, stop payment notice, and payment bond rights the claimant has for labor and service provided, and equipment and material delivered, to the customer on this job through the Through Date of this document. Rights based upon labor or service provided, or equipment or material delivered, pursuant to a written change order that has been fully executed by the parties prior to the date that this document is signed by the claimant, are waived and released by this document, unless listed as an Exception below. This document is effective only on the claimant’s receipt of payment from the financial institution on which the following check is drawn:

Maker of Check:	
Amount of Check:	
Check Payable to:	

Exceptions:

This document does not affect any of the following:

- (1) Retentions.
- (2) Extras for which the claimant has not received payment
- (3) The following progress payments for which the claimant has previously given a conditional waiver and release but has not received payment:

Date(s) of waiver and release: _____

Amount(s) of unpaid progress payment(s): _____

- (4) Contract rights, including (A) a right based on rescission, abandonment, or breach of contract, and (B) the right to recover compensation for work not compensated by the payment.

Signatures:

Claimant’s Signature: _____ Date of Signature: _____

LOWELL JOINT SCHOOL DISTRICT
MACY ELEMENTARY SCHOOL FLOORING ABATEMENT
CUPCCAA BID NO. 202324-001

Claimant's Printed Name: _____ Claimant's Title: _____

LOWELL JOINT SCHOOL DISTRICT
CUPCCA Bid No. 202324-001

Macy Elementary School Flooring Abatement

UNCONDITIONAL WAIVER AND RELEASE ON FINAL PAYMENT

California Civil Code Section 8138

NOTICE: THIS DOCUMENT WAIVES AND RELEASES LIEN, STOP PAYMENT NOTICE, AND PAYMENT BOND RIGHTS UNCONDITIONALLY AND STATES THAT YOU HAVE BEEN PAID FOR GIVING UP THOSE RIGHTS. THIS DOCUMENT IS ENFORCEABLE AGAINST YOU IF YOU SIGN IT, EVEN IF YOU HAVE NOT BEEN PAID. IF YOU HAVE NOT BEEN PAID, USE A CONDITIONAL WAIVER AND RELEASE FORM.

Identifying Information

Name of Claimant:	
Name of Customer:	Lowell Joint School District
Job Location:	2301 W. Russell St., La Habra, CA 90631
Owner:	Lowell Joint School District

Unconditional Waiver and Release

This document waives and releases lien, stop payment notice, and payment bond rights the claimant has for all labor and service provided, and equipment and material delivered, to the customer on this job. Rights based upon labor or service provided, or equipment or material delivered, pursuant to a written change order that has been fully executed by the parties prior to the date that this document is signed by the claimant, are waived and released by this document, unless listed as an Exception below. The claimant has been paid in full.

Exceptions:

This document does not affect any of the following:

Disputed claims for extras in the amount of: \$ _____

Signatures:

Claimant's Signature: _____ Date of Signature: _____

Claimant's Printed Name: _____ Claimant's Title: _____

LOWELL JOINT SCHOOL DISTRICT
CUPCCA Bid No. 202324-001

LOWELL JOINT SCHOOL DISTRICT
MACY ELEMENTARY SCHOOL FLOORING ABATEMENT
CUPCCA BID NO. 202324-001

Macy Elementary School Flooring Abatement

UNCONDITIONAL WAIVER AND RELEASE ON PROGRESS PAYMENT

California Civil Code Section 8138

NOTICE TO CLAIMANT: THIS DOCUMENT WAIVES AND RELEASES LIEN, STOP PAYMENT NOTICE, AND PAYMENT BOND RIGHTS UNCONDITIONALLY AND STATES THAT YOU HAVE BEEN PAID FOR GIVING UP THOSE RIGHTS. THIS DOCUMENT IS ENFORCEABLE AGAINST YOU IF YOU SIGN IT, EVEN IF YOU HAVE NOT BEEN PAID. IF YOU HAVE NOT BEEN PAID, USE A CONDITIONAL WAIVER AND RELEASE FORM.

Identifying Information

Name of Claimant:	
Name of Customer:	Lowell Joint School District
Job Location:	2301 W. Russell St., La Habra, CA 90631
Owner:	Lowell Joint School District

Unconditional Waiver and Release

This document waives and releases lien, stop payment notice, and payment bond rights the claimant has for labor and service provided, and equipment and material delivered, to the customer on this job through the Through Date of this document. Rights based upon labor or service provided, or equipment or material delivered, pursuant to a written change order that has been fully executed by the parties prior to the date that this document is signed by the claimant, are waived and released by this document, unless listed as an Exception below. The claimant has received the following progress payment: \$ _____

Exceptions:

This document does not affect any of the following:

- (1) Retentions.
- (2) Extras for which the claimant has not received payment
- (3) Contract rights, including (A) a right based on rescission, abandonment, or breach of contract, and (B) the right to recover compensation for work not compensated by the payment.

Signatures:

Claimant's Signature: _____ Date of Signature: _____

Claimant's Printed Name: _____ Claimant's Title: _____

DOCUMENT 01 29 73
SCHEDULE OF VALUES

PART 1 - GENERAL

1.01 SECTION INCLUDES

LOWELL JOINT SCHOOL DISTRICT
MACY ELEMENTARY SCHOOL FLOORING ABATEMENT
CUPCAA BID NO. 202324-001

- A. Procedure for submission of a certified Schedule of Values for review and approval by the OAR.

1.02 RELATED REQUIREMENTS

- 1. Section 01 29 00: Application for Payment; Conditional and Unconditional Waiver and Release Forms.
- 2. Section 01 31 13: Project Coordination.
- 3. Section 01 32 13: Scheduling of Work.
- 4. Section 01 33 00: Submittals.

PART 2 - PRODUCTS (Not used)

PART 3 - EXECUTION

3.01 PREPARATION

- A. Upon receipt of the Notice of Intent to Award, CONTRACTOR shall commence preparation of a Schedule of Values.
- B. CONTRACTOR shall coordinate the preparation of a Schedule of Values with preparation of the Construction Schedule as set forth in Section 01 3213. The corresponding values from the specification division totals on cost loaded schedule shall match with the approved Schedule of Values.
- C. Include the following Project identification on a certified Schedule of Values:
 - 1. Project name and location.
 - 2. Project Number.
 - 3. Contract #.
 - 4. CONTRACTOR name.
 - 5. Date of Submittal.
- D. The Schedule of Values shall be in tabular form with separate columns and shall include the following items:
 - 1. Related Specification Section and Division.
 - 2. Description of Work.
 - 3. Name of Subcontractor, manufacturer or supplier.
 - 4. Dollar value, quantity and unit of measure of each line item.
 - 5. Percentage of Contract amount to nearest one-hundredth percent, adjusted to total 100 percent.
- E. Round amounts to the nearest whole dollar; the total shall equal the Contract Amount.
- F. Provide a breakdown of the Contract Amount in enough detail acceptable to OAR to facilitate continued evaluation of Application for Payment and progress reports. Coordinate with the Project Manual table of content. Provide line items for subcontract amounts, where appropriate.
- G. Provide separate line items for items in the Schedule of Values for total installed value of that part of the Work.
- H. Provide separate line item for labor and material when required by the OAR.
- I. Each item in the Schedule of Values and Applications for Payment shall be complete. Include total cost and proportionate share of general overhead and profit for each item except the amounts shown as separate line items.
- J. Temporary facilities and other cost items that are not direct cost of actual work-in-place shall be shown as separate line items.
- K. An approved certified Schedule of Values shall serve as the basis for the monthly certified Application for Payment.
- L. If at any time, OWNER determines, in its reasonable discretion, that the schedule of Values does not approximate the actual cost being incurred by CONTRACTOR to perform the Work, CONTRACTOR

shall prepare, for OAR approval, a revised Schedule of Values, which then shall be used as the basis for future progress payments. Without changing the Contract Amount, OWNER reserves the right to require CONTRACTOR:

1. To increase or decrease amounts within the line items in the Schedule of Values; and,
2. To conform the price breakdown to OWNER accounting practice.

3.02 SUBMITTAL

- A. CONTRACTOR shall submit copy of a Schedule of Values for review and approval by the OAR at least 14 days before the first Application for Payment.
- B. OAR will review and if necessary, return the submitted Schedule of Values with summary comments noting items not in compliance with the requirements of the Contract Documents. CONTRACTOR shall revise the submitted Schedule of Values and return a copy within three days of receipt of summary comments.
- C. Signature by OAR shall constitute acceptance of the submitted Schedule of Values.
- D. An approved copy of the Schedule of Values by OAR will be transmitted to CONTRACTOR, and Inspector.

END OF SECTION

DOCUMENT 01 31 19
PROJECT MEETINGS

1. RELATED DOCUMENTS AND PROVISIONS:

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation, the General Conditions; and the Special Conditions.

2. PROGRESS MEETINGS:

LOWELL JOINT SCHOOL DISTRICT
MACY ELEMENTARY SCHOOL FLOORING ABATEMENT
CUPCAA BID NO. 202324-001

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- A. The Contractor shall be responsible to schedule and hold regular weekly progress meetings. The meeting date and time shall be sent to all Invitees as indicated below.
- B. Location: Contractor's field office, or mutually agreed on other location.
- C. The District and/or Contractor shall notify and invite the following entities ('Invitees'), at District's discretion:
 - 1. District.
 - 2. Contractor.
 - 3. Contractor's Project Manager.
 - 4. Contractor's Superintendent.
 - 5. Subcontractors, as appropriate to the agenda of the meeting.
 - 6. Suppliers, as appropriate to the agenda of the meeting.
 - 7. Architect
 - 8. Engineer(s), if any and as appropriate to the agenda of the meeting.
 - 9. Inspector of Record
 - 10. Others, as appropriate to the agenda of the meeting.
- D. The Contractor, Contractor Project Manager, Contractor Superintendent, Subcontractors, Suppliers shall attend all scheduled meetings, at the District's discretion.
- E. The District, the Architect, the engineers and/or consultants will attend at the District's discretion, in response to the agenda.
- F. The Contractor and/or the Architect or another District Agent shall take and distribute meeting minutes in accordance with the General Conditions, at the District's discretion.
- G. At the District's discretion, the Contractor may be requested to take and distribute meeting notes to attendees and other concerned parties.
- H. Contractor required to attend weekly construction meetings; day and time to be coordinated with the District.

3. PRE-INSTALLATION/PERFORMANCE MEETING:

- A. Contractor shall schedule a meeting prior to the start of each of the following portions of the Work, including but not limited to: cutting and patching of plaster, roofing, other weather-exposed and moisture-resistant products, painting, door hardware, and per the specific specification section. Contractor shall invite all Invitees to this meeting, and others whose work may affect or be affected by the quality of the cutting and patching work.
- B. Contractor shall review in detail prior to this meeting, the manufacturer's requirements and specifications, applicable portions of the Contract Documents, Shop Drawings, and other submittals, and other related work. At this meeting, invitees shall review and resolve conflicts, incompatibilities, or inadequacies discovered or anticipated. Contractor shall review in detail Project conditions, scheduling/coordination transportation, delivery and availability of materials, equipment and other resources, requirements for performance, application, installation, quality of completed Work, and protection of adjacent Work and property.
- C. Contractor shall review in detail means of protecting the completed Work during the remainder of the construction period.
- D. Contractor shall protect existing in place.

END OF DOCUMENT 01 31 19

DOCUMENT 01 32 13
SCHEDULING OF WORK

1. RELATED DOCUMENTS AND PROVISIONS: All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions;
- B. Special Conditions;
- C. Summary of Work; and
- D. Submittals.

2. SECTION INCLUDES:

- A. Scheduling of Work under this Contract shall be performed by Contractor in accordance with requirements of this Section and the General Conditions. The terms “CPM Schedule” “Construction Schedule, Progress Schedule and other similar terms are used interchangeability in the Contract Documents.

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005632.00028
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1. Construction Phasing
 2. Development of schedule, cost and resource loading of the schedule, monthly payment requests, and project status reporting requirements of the Contract shall employ computerized Critical Path Method ('CPM') scheduling ('CPM Schedule').
 3. CPM Schedule shall be resource cost loaded based on the Schedule of Values as approved by District and/or labor resource loaded as required by the Contract Documents. If the Contract Documents do not require the CPM Schedule to cost or labor loaded, the District may require updates/revisions of the CPM Schedule to be cost or labor loaded without adjustment of the Contract Price or the Contract Time.
 4. Submit CPM Schedules and related CPM Schedule reports as specified in the General Conditions.
- B. Upon Award of Contract, Contractor shall immediately commence development of Initial and Original CPM Schedules to ensure compliance with CPM Schedule submittal requirements.

3. CONSTRUCTION PHASING:

N/A

4. CONSTRUCTION SCHEDULE:

- A. Within five (5) calendar days of Notice to Proceed and before request for first progress payment, the Contractor shall prepare and submit to the Project Manager a construction progress schedule conforming to the Milestone Schedule below.
- B. Construction schedule shall be based on weekday hours.
- C. The Construction Schedule shall be continuously updated, and an updated schedule shall be submitted with each application for progress payment. Each revised schedule shall indicate the work actually accomplished during the previous period and the schedule for completion of the remaining work.
- D. Milestone Events: See Special Conditions, Section 00 73 00, for specific Milestone Events that must be incorporated into the CPM Schedule.
- E. Site Conditions and Constraints: The CPM Schedule shall take into account Site conditions and constraints. If the Work is in occupied areas or during School sessions, the Contractor shall perform the Work after school hours, during evenings, weekends, and school holidays. The typical working hours for this project, when school is in session, are from 7:00 AM to 7:00 PM Monday to Saturday. Unless otherwise noted by the District. The District will occupy and make full use of each school, including its existing technology systems during the same time the Work of this Project is taking place. When school is on summer, spring, and winter breaks, other working hours may become available for the limited durations of the respective school breaks. Contractor shall work while not affecting or disrupting the school site. All work shall be coordinated with the District's representatives for each site so as not to disrupt each site's daily operations. The District's operational calendars are available on the District's website.

5. QUALIFICATIONS

- A. Contractor shall employ experienced scheduling personnel qualified to use the latest version of software mutually agreed upon. Experience level required is set forth below. Contractor may employ such personnel directly or may employ a consultant for this purpose.

1. Concurrently with submittal of the Initial CPM Schedule, the Contractor shall submit a written statement identifying the individual who will perform CPM scheduling. The CPM Scheduler Information shall include:
 1. Knowledge of critical path method (CPM) scheduling utilizing web-based software as approved by the District.
 2. Capability and experience shall be verified by description of construction projects on which individual has successfully applied computerized CPM.
 3. Contractor's personnel of specialist Consultant specializing in CPM scheduling with one year's minimum experience.
2. Required level of experience shall include at least two (2) projects of similar nature and scope with value not less than three fourths ($\frac{3}{4}$) of the Total Bid Price of this Project. The written statement shall provide contact persons for referenced projects with current telephone and address information.
3. Scheduler:
 - a. Dedicated to this project and available on-site as needed to meet the strict requirement of this spec. section.
 - b. Scheduler will attend all project meetings, as required.

B. District reserves the right to approve or reject Contractor's scheduler or consultant at any time. District reserves the right to refuse replacing of Contractor's scheduler or consultant, if District believes replacement will negatively affect the scheduling of Work under this Contract.

6. GENERAL

- A. Progress Schedule shall be based on and incorporate milestone events and completion dates specified in Contract Documents.
- B. Overall time of completion and time of completion for each milestone event shown on Progress Schedule shall adhere to times in the Contract, unless an earlier (advanced) time of completion is requested by Contractor and agreed to by District. A Change Order shall formalize any such agreement.
 1. District is not required to accept an early completion schedule, i.e., one that shows an earlier completion date than the Contract Time.
 2. Contractor shall not be entitled to extra compensation in event agreement is reached on an earlier completion schedule and Contractor completes its Work, for whatever reason, beyond completion date shown in its early completion schedule but within the Contract Time.
 3. A schedule showing the work completed in less than the Contract Time, and that has been accepted by District, shall be considered to have Project Float. The Project Float is the time between the scheduled completion of the work and the Completion Date. Project Float is a resource available to both District and the Contractor.
- C. Ownership of Project Float: Neither the District nor Contractor owns Project Float. The Project owns the Project Float. As such, liability for delay of the Completion Date rests with the party whose actions, last in time, actually cause delay to the Completion Date.
 1. For example, if Party A uses some, but not all of the Project Float and Party B later uses remainder of the Project Float as well as additional time beyond the Project Float, Party B shall be liable for the time that represents a delay to the Completion Date.
 2. Party A would not be responsible for the time since it did not consume the entire Project Float and additional Project Float remained; therefore, the Completion Date was unaffected by Party A.

- D. Progress Schedule shall be the basis for evaluating job progress, payment requests, and time extension requests. Responsibility for developing Contract CPM Schedule and monitoring actual progress as compared to Progress Schedule rests with Contractor.
- E. Failure of Progress Schedule to include any element of the Work, or any inaccuracy in Progress Schedule, will not relieve Contractor from responsibility for accomplishing the Work in accordance with the Contract. District's acceptance of schedule shall be for its use in monitoring and evaluating job progress, payment requests, and time extension requests and shall not, in any manner, impose a duty of care upon District, or act to relieve Contractor of its responsibility for means and methods of construction.
- F. Software: Use the latest version of District approved web-based software, or mutually agreed upon program. Such software shall be compatible with Windows operating system. Contractor shall transmit contract file to District by email and/or USB at times requested by District.
- G. Transmit each item under the form approved by District.
 - 1. Identify Project with District Contract number and name of Contractor.
 - 2. Provide space for Contractor's approval stamp and District's review stamps.
 - 3. Submittals received from sources other than Contractor will be returned to the Contractor without District's review.

7. SCHEDULE FORMAT

- A. Format: Prepare schedules in format at the District's option, either bar chart or GANTT format, providing clear indication of sequencing and scheduling of Work, for determination of 'critical path' of construction progress.
 - 1. Prepare schedules with District approved web-based scheduling software for this Project.
 - 2. Provide clear indication of sequencing and scheduling of work for determination of 'critical path' of construction progress.
 - 3. Present schedule in both electronic and reproducible paper formats with sheet size large enough to clearly read the characters.
- B. Listings: In chronological order according to the start date for each activity. Identify each activity with the applicable specification section number.
- C. Diagram Sheet Size: Maximum 22 x 17 inches.
- D. Sheet Size: Multiples of 8-1/2 x 11 inches.
- E. Scale and Spacing: To allow for notations and revisions.

8. INITIAL CPM SCHEDULE – Pre-Construction

- A. Initial CPM Schedule submitted for review at the pre-construction conference shall serve as Contractor's schedule
- B. Indicate detailed plan for the Work to be completed in first **ninety (90)** days of the Contract; details of planned mobilization of plant and equipment; sequence of early operations; procurement of materials and equipment. Show Work beyond **ninety (90)** calendar days in summary form.
- C. Initial CPM Schedule shall be time scaled.
- D. Initial CPM Schedule shall be cost and resource loaded. Accepted cost and resource loaded schedule will be used as basis for monthly progress payments until acceptance of the Original CPM Schedule. Use of Initial CPM Schedule for progress payments shall not exceed **ninety (90)** calendar days.
- E. District and Contractor shall meet to review and discuss the Initial CPM Schedule within **five (5)** calendar days after it has been submitted to District.
 - 1. District's review and comment on the schedule shall be limited to Contract conformance (with sequencing, coordination, and milestone requirements).

2. Contractor shall make corrections to schedule necessary to comply with Contract requirements and shall adjust schedule to incorporate any missing information requested by District. Contractor shall resubmit Initial CPM Schedule if requested by District.
- F. If, during the first **ninety (90)** days after Notice to Proceed, the Contractor is of the opinion that any of the Work included on its Initial CPM Schedule has been impacted, the Contractor shall submit to District a written Time Impact Evaluation ('TIE'). The TIE shall be based on the most current update of the Initial CPM Schedule.

9. ORIGINAL CPM SCHEDULE – Complete Construction Schedule

- A. Submit a detailed proposed Original complete project CPM Schedule presenting an orderly and realistic plan for completion of the Work in conformance with requirements as specified herein. The terms proposed Original complete Project CPM Schedule and Preliminary Construction Schedule are used interchangeably.
- B. Progress Schedule shall include or comply with following requirements:
1. Time scaled, cost and resource (labor and major equipment) loaded CPM schedule.
 2. No activity on schedule shall have duration longer than fifteen (15) work days, with exception of submittal, approval, fabrication and procurement activities, unless otherwise approved by District.
 3. Activity durations shall be total number of actual work days required to perform that activity.
 4. The start and completion dates of all items of Work, their major components, and milestone completion dates, if any.
 5. District furnished materials and equipment, if any, identified as separate activities.
 6. Activities for maintaining Project Record Documents.
 7. Dependencies (or relationships) between activities.
 8. Processing/approval of submittals and shop drawings for all material and equipment required per the Contract. Activities that are dependent on submittal acceptance or material delivery shall not be scheduled to start earlier than expected acceptance or delivery dates.
 - a. Include time for submittals, re-submittals and reviews by District. Coordinate with accepted schedule for submission of Shop Drawings, samples, and other submittals.
 - b. Contractor shall be responsible for all impacts resulting from re-submittal of Shop Drawings and submittals.
 9. Procurement of major equipment, through receipt and inspection at jobsite, identified as separate activity.
 - a. Include time for fabrication and delivery of manufactured products for the Work.
 - b. Show dependencies between procurement and construction.
 - c. Activity description; what Work is to be accomplished and where.
 10. If required by the Contract Documents., the total cost of performing each activity, which shall be the total of labor, material, and equipment, excluding overhead and profit of Contractor and labor resources for completing each activity. Overhead and profit of the General Contractor shall be shown as a separate activity in the schedule. Sum of cost for all activities shall equal total Contract value. Resources required (labor and major equipment) to perform each activity.
 11. Responsibility code for each activity corresponding to Contractor or Subcontractor responsible for performing the Work.
 12. Identify the activities that constitute the controlling operations or critical path. No more than twenty-five (25%) of the activities shall be critical or near critical. Near critical is defined as float in the range of one (1) to (5) days.

13. Five (5) workdays for developing punch list(s), completion of punch-list items, and final clean-up for the Work or any designated portion thereof. No other activities shall be scheduled during this period.
14. Interface with the work of other contractors, District, and agencies such as, but not limited to, utility companies.
15. Show detailed Subcontractor Work activities. In addition, furnish copies of Subcontractor schedules upon which CPM was built.
 - a. Also, furnish for each Subcontractor, as determined by District, submitted on Subcontractor letterhead, a statement certifying that Subcontractor concurs with Contractor's Original CPM Schedule and that Subcontractor's related schedules have been incorporated, including activity duration, cost and resource loading.
 - b. Subcontractor schedules shall be independently derived and not a copy of Contractor's schedule.
 - c. In addition to Contractor's schedule and resource loading, obtain from electrical, mechanical, and plumbing Subcontractors, and other Subcontractors as required by District, productivity calculations common to their trades, such as units per person day, feet of pipe per day per person, feet of wiring per day per person, and similar information.
 - d. Furnish schedule for Contractor/Subcontractor CPM schedule meetings, which shall be held prior to submission of Original CPM schedule to District. District shall be permitted to attend scheduled meetings as an observer.
16. Activity durations shall be in Workdays.
17. Submit with the schedule a list of anticipated non-Work days, such as weekends and holidays. The Progress Schedule shall exclude in its Work Day calendar all non-Work days on which Contractor anticipates critical Work will not be performed.

C. Original CPM Schedule Review Meeting: Contractor shall, within **ten (10)** days from the Notice to Proceed date, meet with District to review the Original CPM Schedule submittal.

1. Contractor shall have its Project Manager, Project Superintendent, Project Scheduler, and key Subcontractor representatives, as required by District, in attendance. The meeting will take place over a continuous one (1) day period.
2. District's review will be limited to submittal's conformance to Contract requirements including, but not limited to, coordination requirements. However, review may also include:
 - a. Clarifications of Contract Requirements.
 - b. Directions to include activities and information missing from submittal.
 - c. Requests to Contractor to clarify its schedule.
3. Within **three (3)** days of the Pre-Construction Meeting, Contractor shall respond in writing to all questions and comments expressed by District at the Meeting.

10. ADJUSTMENTS TO CPM SCHEDULE

A. Adjustments to Original CPM Schedule: Contractor shall have adjusted the Original CPM Schedule submittal to address all review comments from original CPM Schedule review meeting and resubmit network diagrams and reports for District's review.

1. District and/or Architect, within **ten (10)** days from date that Contractor submitted the revised schedule, will either:
 - a. Accept schedule and cost and resource loaded activities as submitted, or
 - b. Advise Contractor in writing to review any part or parts of schedule that either do not meet Contract requirements or are unsatisfactory for District to monitor Project's progress, resources, and status or evaluate monthly payment request by Contractor.

2. District and/or Architect may accept schedule with conditions that the first monthly CPM Schedule update be revised to correct deficiencies identified.
 3. When schedule is accepted, it shall be considered the 'Original CPM Schedule', which will then be immediately updated to reflect the current status of the work.
 4. District reserves right to require Contractor to adjust, add to, or clarify any portion of schedule, which may later be discovered to be insufficient for monitoring of Work or approval of partial payment requests. No additional compensation will be provided for such adjustments, additions, or clarifications.
- B. Acceptance of Contractor's schedule by District will be based solely upon schedule's compliance with Contract requirements.
1. By way of Contractor assigning activity durations and proposing sequence of Work, Contractor agrees to utilize sufficient and necessary management and other resources to perform work in accordance with the schedule.
 2. Upon submittal of schedule update, updated schedule shall be considered 'current' CPM Schedule.
 3. Submission of Contractor's schedule to District shall not relieve Contractor of total responsibility for scheduling, sequencing, and pursuing Work to comply with requirements of Contract Documents, including adverse effects such as delays resulting from ill-timed Work.
- C. Submittal of Original CPM Schedule, and subsequent schedule updates, shall be understood to be Contractor's representation that the Schedule meets requirements of Contract Documents and that Work shall be executed in sequence indicated on the schedule.
- D. Contractor shall distribute Original CPM Schedule to Subcontractors for review and written acceptance, which shall be noted on Subcontractors' letterheads to Contractor and transmitted to District for the record.

11. MONTHLY CPM SCHEDULE UPDATE SUBMITTALS

- A. Following acceptance of Contractor's Original CPM Schedule, Contractor shall monitor progress of Work and adjust schedule each month to reflect actual progress and any anticipated changes to planned activities.
1. Each schedule update submitted shall be complete, including all information requested for the Original CPM Schedule submittal.
 2. Each update shall continue to show all Work activities including those already completed. These completed activities shall accurately reflect 'as built' information by indicating when activities were actually started and completed.
- B. A meeting will be held on approximately the twenty fifth (25th) of each month to review the schedule update submittal and progress payment application.
1. At this meeting, at a minimum, the following items will be reviewed: Percent (%) complete of each activity; Time Impact Evaluations for Change Orders and Time Extension Request; actual and anticipated activity sequence changes; actual and anticipated duration changes; and actual and anticipated Contractor delays.
 2. These meetings are considered a critical component of overall monthly schedule update submittal and Contractor shall have appropriate personnel attend. At a minimum, these meetings shall be attended by Contractor's Project Manager, Contractor's Project Superintendent and Scheduler.
 3. Contractor shall plan on the meeting taking no less than **two (2)** hours.
- C. Within five (5) working days after monthly schedule update meeting, Contractor shall submit the updated CPM Schedule update. Pay Application will not be processed if schedule is not updated.
- D. Within five (5) work days of receipt of above noted revised submittals, District will either accept or reject monthly schedule update submittal.

1. If accepted, percent (%) complete shown in monthly update will be basis for The Application for Payment by the Contractor. The schedule update shall be submitted as part of the Contractor's Application for Payment.
 2. If rejected, update shall be corrected and resubmitted by Contractor before the Application for Payment is submitted.
- E. Neither updating, changing or revising of any report, curve, schedule, or narrative submitted to District by Contractor under this Contract, nor District's review or acceptance of any such report, curve, schedule or narrative shall have the effect of amending or modifying in any way the Completion Date or milestone dates or of modifying or limiting in any way Contractor's obligations under this Contract.

12. SCHEDULE REVISIONS

- A. Updating the Schedule to reflect actual progress shall not be considered revisions to the Schedule. Since scheduling is a dynamic process, revisions to activity durations and sequences are expected on a monthly basis.
- B. To reflect revisions to the schedule, the Contractor shall provide District with a written narrative with a full description and reasons for each Work activity revised. For revisions affecting the sequence of work, the Contractor shall provide a schedule diagram, which compares the original sequence to the revised sequence. The Contractor shall provide the written narrative and schedule diagram for revisions two (2) working days in advance of the monthly schedule update meeting.
- C. Schedule revisions shall not be incorporated into any schedule update until the revisions have been reviewed by District. District may request further information and justification for schedule revisions and Contractor shall, within three (3) days, provide District with a complete written narrative response to District's request.
- D. If the Contractor's revision is still not accepted by District, and the Contractor disagrees with District's position, the Contractor has seven (7) calendar days from receipt of District's letter rejecting the revision to provide a written narrative providing full justification and explanation for the revision. The Contractor's failure to respond in writing within seven (7) calendar days of District's written rejection of a schedule revision shall be contractually interpreted as acceptance of District's position, and the Contractor waives its rights to subsequently dispute or file a claim regarding District's position.
- E. At District's discretion, the Contractor can be required to provide Subcontractor certifications of performance regarding proposed schedule revisions affecting said Subcontractors.

13. RECOVERY SCHEDULE

- A. If the Schedule Update shows a completion date seven (7) calendar days beyond the Contract Time as adjusted, or individual Milestone Event completion dates, the Contractor shall submit to District the proposed revisions to recover the lost time within three (3) calendar days. As part of this submittal, the Contractor shall provide a written narrative for each revision made to recapture the lost time. If the revisions include sequence changes, the Contractor shall provide a schedule diagram comparing the original sequence to the revised sequence of work.
- B. The revisions shall not be incorporated into any schedule update until the revisions have been reviewed and accepted by the District.
- C. At District's discretion, the Contractor can be required to provide Subcontractor certifications for revisions affecting said Subcontractors.

14. TIME IMPACTS EVALUATION ('TIE') FOR CHANGE ORDERS, AND OTHER DELAYS

- A. When Contractor is directed to proceed with changed Work, the Contractor shall prepare and submit within five (5) calendar days from the Notice to Proceed with Changed Work a TIE that includes both a written narrative and a schedule diagram depicting how the changed Work affects other schedule activities. The schedule diagram shall show how the Contractor proposes to incorporate the changed Work in the schedule and how it affects the current schedule-update critical path. The Contractor is also responsible for requesting time extensions based on the TIE's impact on the critical path. The diagram must be tied to the main sequence of schedule activities to enable District to evaluate the impact of changed Work to the scheduled critical path.
- B. Contractor shall be responsible for all costs associated with the preparation of TIEs, and the process of incorporating them into the current schedule update. The Contractor shall provide District with one (1) hard copy, one (1) electronic and upload into District approved Web-based software, of each TIE.
- C. TIEs are subject to District review and acceptance. The District may accept, accept in part/reject in part or reject a TIE based on the District's evaluation of the TIE including without limitation, accuracy of factual basis of the TIE, consistency of time impact analysis with generally accepted construction schedule analysis principles and reasonableness of conclusions reached. If upon District review of a TIE, the District reasonably concludes that the Contract Time is subject to adjustment based on the TIE, the Contract Time shall be adjusted by such time as determined by the District based on the TIE and the District's evaluation of the TIE. Requests for adjustment of the Contract Time will be reviewed and considered by the District only if the request is accompanied by a TIE supporting the request for Contract Time adjustment.

15. TIME EXTENSIONS

- A. The Contractor is responsible for requesting time extensions for time impacts that, in the opinion of the Contractor, affect the critical path of the current schedule update. Notice of time impacts shall be given in accord with the General Conditions.
- B. Where an event for which the Contractor believes the District is responsible impacts the projected Completion Date, the Contractor shall provide a written mitigation plan, including a schedule diagram, which explains how (e.g., increase crew size, overtime, etc.) the impact can be mitigated. The Contractor shall also include a detailed cost breakdown of the labor, equipment, and material the Contractor would expend to mitigate time impacts the Contractor believes is caused by the District. The Contractor shall submit its mitigation plan to District within five (5) calendar days from the date of discovery of the impact. The Contractor is responsible for the cost to prepare the mitigation plan.
- C. Failure to request time, provide TIE, or provide the required mitigation plan will result in Contractor waiving its right to a time extension and cost to mitigate the delay.
- D. No time will be granted under this Contract for cumulative effect of changes.
- E. District will not be obligated to consider any time extension request unless the Contractor strictly complies with the requirements of Contract Documents relating to timely notice of an event affecting the Contract Time, timely submittal of request for adjustment of the Contract Time and Time Impact Evaluation supporting the request for Contract Time adjustment.
- F. Failure of the Contractor to perform in accordance with the current schedule update shall not be excused by submittal of time extension requests.
- G. If the Contractor does not submit a TIE within the required five (5) calendar days for any event that may result in adjustment of the Contract Time, the Contractor shall be deemed to have waived its right to request adjustment of the Contract Time relating to such event.

16. SCHEDULE REPORTS

- A. Submit one (1) hard copy, one (1) electronic and upload into District approved Web-based Software the following reports with the Initial CPM Schedule, the Original CPM Schedule, and each monthly update.

B. Required Reports:

1. Two activity listing reports: one sorted by activity number and one by total Project Float. These reports shall also include each activity's early/late and actual start and finish dates, original and remaining duration, Project Float, responsibility code, and the logic relationship of activities.
2. Cost report sorted by activity number including each activity's associated cost, percentage of Work accomplished, earned value- to date, previous payments, and amount earned for current update period.
3. Schedule plots presenting time-scaled network diagram showing activities and their relationships with the controlling operations or critical path clearly highlighted.
4. Cash flow report calculated by early start, late start, and indicating actual progress. Provide an exhibit depicting this information in graphic form.
5. Planned versus actual resource (i.e., labor) histogram calculated by early start and late start.

C. Other Reports:

In addition to above reports, District may request, from month to month, any two of the following reports. Submit one (1) hard copy, one (1) electronic and upload into District approved Web-based software of all reports.

1. Activities by early start.
2. Activities by late start.
3. Activities grouped by Subcontractors or selected trades.
4. Activities with scheduled early start dates in a given time frame, such as fifteen (15) or thirty (30) day outlook.

D. Furnish District with one (1) hard copy, one (1) electronic and upload into the District approved web based software all report files containing all schedule files for each report generated.

17. PROJECT STATUS REPORTING

A. In addition to submittal requirements for CPM scheduling identified in this Section, Contractor shall provide a monthly project status report (i.e., written narrative report) to be submitted in conjunction with each CPM Schedule as specified herein. Status reporting shall be in form specified below.

B. Contractor shall prepare monthly written narrative reports of status of Project for submission to District. Written status reports shall include:

1. Status of major Project components (percent (%) complete, amount of time ahead or behind schedule) and an explanation of how Project will be brought back on schedule if delays have occurred.
2. Progress made on critical activities indicated on CPM Schedule.
3. Explanations for any lack of work on critical path activities planned to be performed during last month.
4. Explanations for any schedule changes, including changes to logic or to activity durations.
5. List of critical activities scheduled to be performed next month.
6. Status of major material and equipment procurement.
7. Any delays encountered during reporting period.
8. Contractor shall provide printed report indicating actual versus planned resource loading for each trade and each activity. This report shall be provided on weekly and monthly basis.
 - a. Actual resource shall be accumulated in field by Contractor and shall be as noted on Contractor's daily reports. These reports will be basis for information provided in computer-generated monthly and weekly printed reports.
 - b. Contractor shall explain all variances and mitigation measures.

9. Contractor may include any other information pertinent to status of Project. Contractor shall include additional status information requested by District at no additional cost.
10. Status reports, and the information contained therein, shall not be construed as claims, notice of claims, notice of delay, or requests for changes or compensation.

18. WEEKLY SCHEDULE REPORT

- A. At the Weekly Progress Meeting, the Contractor shall provide and present a time-scaled four (4) week look-ahead schedule that is based and correlated by activity number to the current schedule (i.e., Initial, Original CPM, or Schedule Update) showing the activities completed during the previous week and the schedule of activities for the following 4 weeks (“Weekly Schedule”). The Contractor shall submit the Weekly Schedule to the Construction Manager and/or District Representative at least twenty-four (24) hours prior to each weekly progress meeting.
 1. Using the same computer software as the progress schedule, use the Activity ID’s, Descriptions, and logic of the current progress schedule when producing a Weekly Schedule in CPM schedule or a bar chart format. In the event that the Weekly Schedule no longer conforms to the current schedule, Contractor may be required to revise either or both schedule(s).
- B. The activity designations used in the Weekly Schedule must be consistent with those used in the Baseline Schedule and the monthly Schedule Updates.
 1. Contractor and Construction Manager and / or District Representative must agree on the format of the Weekly Schedule.
 2. Weekly Schedule should indicate locations of work, critical activities, early start and early finish dates, actual start and actual finish dates, progress, and remaining durations for each activity in the three-week schedule.

19. DAILY CONSTRUCTION REPORTS

On a daily basis, Contractor shall submit a daily activity report to District for each workday, including weekends and holidays when worked. Contractor shall develop the daily construction reports on a computer-generated database capable of sorting daily Work, labor, and man-hours by Contractor, Subcontractor, area, sub-area, and Change Order Work. Upon request of District, furnish electronic file of this database. Obtain District’s written approval of daily construction report data base format prior to implementation. Include in report:

- A. Project name and Project number.
- B. Contractor’s name and address.
- C. Weather, temperature, and any unusual site conditions.
- D. Brief description and location of the day’s scheduled activities and any special problems and accidents, including Work of Subcontractors. Descriptions shall be referenced to CPM scheduled activities.
- E. Worker quantities for its own Work force and for Subcontractors of any tier.
- F. Equipment, other than hand tools, utilized by Contractor and Subcontractors.

20. PERIODIC VERIFIED REPORTS

- A. Contractor shall complete and verify construction reports on forms prescribed by the Division of the State Architect and periodically file reports during construction as required by DSA or the Laws; at the completion of the Contract; at the completion of the Work; at the suspension of Work for a period of more than one (1) month; whenever the Contract is terminated for any reason; and at any time a special verified report is required by the Division of the State Architect. Refer to section 4-336 and section 4-343 of Part 1, Title 24 of the California Code of Regulations.
- B. Contractor to upload reports into the DSA Box, or as required by DSA. Provide the District with one (1) hard copy, one (1) electronic copy, and upload into District approved Web-based Software.

END OF DOCUMENT 01 32 13

DOCUMENT 01 33 00
SUBMITTALS

1. RELATED DOCUMENTS AND PROVISIONS:

LOWELL JOINT SCHOOL DISTRICT
MACY ELEMENTARY SCHOOL FLOORING ABATEMENT
CUPCAA BID NO. 202324-001

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All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions, including, without limitation, Contractor's Submittals and Schedules, Drawings and Specifications.
- B. Section 01 29 73: Schedule of Values.
- C. Section 01 29 00: Application for Payment; Conditional and Unconditional Waiver and Release Forms.
- D. Section 01 31 19: Project Meetings.
- E. Section 01 33 00: Submittals.
- F. Section 01 43 00: Materials and Equipment.
- G. Section 01 45 00: Quality Control.
- H. Division 2 through Division 32.

2. SECTION INCLUDES:

A. Definitions:

1. Shop Drawings and Product Data are as indicated in the General Conditions and include, but are not limited to, fabrication, erection, layout and setting drawings, formwork and falsework drawings, manufacturers' standard drawings, descriptive literature, catalogues, brochures, performance and test data, wiring and control diagrams. In addition, there are other drawings and descriptive data pertaining to materials, equipment, piping, duct and conduit systems, and methods of construction as may be required to show that the materials, equipment or systems and all positions conform to the requirement of the Contract Documents, including, without limitation, the Drawings.
2. 'Manufactured' applies to standard units usually mass-produced; 'fabricated' means specifically assembled or made out of selected materials to meet design requirements. Shop Drawings shall establish the actual detail of manufactured or fabricated items, indicated proper relation to adjoining work and amplify design details of mechanical and electrical equipment in proper relation to physical spaces in the structure.
3. Manufacturer's Instructions: Where any item of Work is required by the Contract Documents to be furnished, installed, or performed, at a minimum, in accordance with specified product manufacturer's instructions, the Contractor shall procure and distribute copies of these to the District, the Architect, and all other concerned parties and shall furnish, install, or perform the work, at a minimum, in accordance with those instructions.
4. Contractor shall package each Submittal appropriately for transmittal and handling and will then send Architect, Commissioning Agent (if applicable), and District Representative each Submittal for review per the Project plans and specifications. Submittals will not be accepted from sources other than the Contractor.

B. Samples, Shop Drawings, Product Data, and other items as specified, in accordance with the following requirements:

1. The submittal process shall be through District approved Web-based Software, unless otherwise directed by the District.
2. Contractor shall submit all Shop Drawings, Product Data, and Samples to the District, the Architect, the Project Inspector, and the Construction Manager.
3. Contractor shall comply with all time frames herein and in the General Conditions and, in any case, shall submit required information in sufficient time to permit proper consideration and action before ordering any materials or items represented by such Shop Drawings, Product Data, and/or Samples.
4. Time for completion of Work shall not be extended on account of Contractor's failure to promptly submit Shop Drawings, Product Data, and/or Samples.

5. Reference numbers on Shop Drawings shall have Architectural and/or Engineering Contract Drawings reference numbers for details, sections, and 'cuts' shown on Shop Drawings. These reference numbers shall be in addition to any numbering system that Contractor chooses to use or has adopted as standard.
 6. When the magnitude or complexity of submittal material prevents a complete review within the stated time frame, Contractor shall make this submittal in increments to avoid extended delays.
 7. Contractor shall certify on Submittals for review that Submittals conform to Contract requirements. In event of any variance, Contractor shall specifically state in transmittal and on Shop Drawings, portions vary and require approval of a substitute. Also, certify that Contractor-furnished equipment can be installed in allocated space.
 8. Unless specified otherwise, sampling, preparation of samples, and tests shall be in accordance with the latest standard of the American Society for Testing and Materials.
 9. Upon demand by Architect or District, Contractor shall submit samples of materials and/or articles for tests or examinations and consideration before Contractor incorporates same in Work. Contractor shall be solely responsible for delays due to sample(s) not being submitted in time to allow for tests. Acceptance or rejection will be expressed in writing. Work shall be equal to approved samples in every respect. Samples that are of value after testing will remain the property of Contractor.
- C. Submittal Schedule:
1. Contractor shall prepare its proposed submittal schedule that is coordinated with the proposed construction schedule and submit both to the District within five (5) days after the date of the Notice to Proceed. Contractor's proposed schedules shall become the Project Construction Schedule and the Project Submittal Schedule after each is approved by the District.
 2. Contractor is responsible for all costs/losses resulting from delay, disruption or other hindrance to completing Work in accordance with the Construction Schedule if the initial Submittal is rejected, marked 'revised and resubmit', or other similar notation requiring the Contractor to revise, augment or otherwise amend. The Contract Time is not subject to adjustment for the Contractor's re-submission of Submittals.
 3. All Submittals shall be forwarded to the District by the date indicated on the approved Submittal Schedule, unless an earlier date is necessary to maintain the Construction Schedule, in which case those Submittals shall be forwarded to the District so as not to delay the Construction Schedule. All costs to complete "early" submission of Submittals shall be borne by the Contractor.

3. SHOP DRAWINGS:

- A. Contractor shall provide the District, Construction Manager and Architect each with one (1) hard copy, one (1) electronic copy, and upload Shop Drawings into District approved Web-based Software. The District and/or Architect will review and return via District approved Web-based Software, unless otherwise directed by the District.
- B. Before commencing installation of any Work, the Contractor shall submit and receive approval of all drawings, descriptive data, and material list(s) as required to accomplish Work.
- C. Review of Shop Drawings is regarded as a service to assist Contractor and in all cases, original Contract Documents shall take precedence as outlined under General Conditions. No claim for extra time or payment shall be based on work shown on Shop Drawings unless the claim is (1) noted on Contractor's transmittal letter accompanying Shop Drawings and (2) Contractor has complied with all applicable provisions of the General Conditions, including, without limitation, provisions regarding changes and payment, and all required written approvals. (3) District approves claim in writing.
- D. District and / or Architect shall not review Shop Drawings for quantities of materials or number of items supplied.

- E. District and/or Architect review of Shop Drawing will be general. District and/or Architect review does not relieve Contractor of responsibility for accuracy, proper fitting, construction of Work, furnishing of materials, or Work required by Contract Documents and not indicated on Shop Drawings. Shop Drawing reviewed by District and/or Architect is not to be construed as approving departures from Contract Documents.
- F. Review of Shop Drawings and Schedules does not relieve Contractor from responsibility for any aspect of those Drawings or Schedules that is a violation of local, County, State, or Federal laws, rules, ordinances, or rules and regulations of commissions, boards, or other authorities or utilities having jurisdiction.
- G. Before submitting Shop Drawings for review, Contractor shall check Shop Drawings of its subcontractors for accuracy and confirm that all Work contiguous with and having bearing on other work shown on Shop Drawings is accurately drawn and in conformance with Contract Documents.
 - 1. Submitted drawings and details must bear stamp of approval of Contractor.
 - 2. Stamp and signature shall clearly certify that Contractor has checked Shop Drawings for compliance with Drawings.
 - 3. If Contractor submits a Shop Drawing prepared by a Subcontractor or Material Supplier without an executed stamp of approval, or whenever it is evident (despite stamp) that Drawings have not been checked the District and/or Architect will not consider them and will return them to the Contractor for revision and resubmission. In that event, it will be deemed that Contractor has not complied with this provision and Contractor shall bear risk of all delays to same extent as if it had not submitted any Shop Drawings or details.
- H. Submission of Shop Drawings (in either original submission or when resubmitted with correction) shall be deemed the Contractor's verification that all information therein is complete and accurate and that to the Contractor shall furnish, install perform Work as shown in the Shop Drawing subject to the Architect's review comments/requirements.
- I. Contractor shall pay for cost of any changes in construction due to improper checking and coordination of Submittals. Contractor shall be responsible for all additional costs, including coordination. Contractor shall be responsible for costs incurred by itself, the District, the Architect, the Project Inspector, the Construction Manager, any other Subcontractor or contractor, etc., due to improperly checked and/or coordination of submittals.
 - 1. Review shop drawings, product data, and samples for compliance with Contract Documents and for coordination with related work. Transmit copies of reviewed documents to Architect.
 - 2. Check field dimensions, clearances, and relationship to available space and anchors.
 - 3. Check compatibility with equipment and work of other sections, electrical characteristics, and operational control requirements.
 - 4. Check motor voltages and control characteristics.
 - 5. Coordinate controls, interlocks, wiring of switches, and relays.
 - 6. Coordinate wiring and control diagrams.
 - 7. When changes in the work are made, review their effect on other work.
 - 8. Verify information and coordinate maintenance of record documents.
- J. Shop Drawings must clearly delineate the following information:
 - 1. Project name, site, and address.
 - 2. Specification number and description.
 - 3. Architect's name and project number.
 - 4. Shop Drawing title, number, date, and scale.
 - 5. Names of Contractor, Subcontractor(s) and fabricator.
 - 6. Working and erection dimensions.
 - 7. Arrangements and sectional views.
 - 8. Necessary details, including complete information for making connections with other Work.
 - 9. Kinds of materials and finishes.

10. Descriptive names of materials and equipment, classified item numbers, and locations at which materials or equipment are to be installed in the Work. Contractor shall use same reference identification(s) as shown on Contract Drawings.
- K. Contractor shall prepare composite drawings and installation layouts when required to solve tight field conditions.
1. Shop Drawings shall consist of dimensioned plans and elevations and must give complete information, particularly as to size and location of sleeves, inserts, attachments, openings, conduits, ducts, boxes, structural interferences, etc.
 2. Contractor shall coordinate these composite Shop Drawings and installation layouts in the field between itself and its Subcontractor(s) for proper relationship to the Work, the work of other trades, and the field conditions.

4. PRODUCT DATA OR NON-REPRODUCIBLE SUBMITTALS:

- A. Contractor shall submit manufacturer's printed literature in original form. Any fading type of reproduction will not be accepted. Contractor must submit a minimum of two (2) hard copies each, to the District and/or Architect and/or Commissioning Agent (if applicable). District and/or Architect and/or Commissioning Agent (if applicable) shall return one (1) to the Contractor, who shall reproduce whatever additional copies it requires for distribution.
- B. Contractor shall submit one (1) PDF electronic file, via District approved Web-based Software, unless directed otherwise by the District and one (1) hard copy of a complete list of all major items of mechanical, plumbing, and electrical equipment and materials in accordance with the approved Submittal Schedule, except as required earlier to comply with the approved Construction Schedule. Other items specified are to be submitted prior to commencing Work. Contractor shall submit items of like kind at one time in a neat and orderly manner. Partial lists will not be acceptable. All documents will be transmitted through District's approved Web-based Software, unless directed otherwise by the District.
- C. Submittals shall include manufacturer's specifications, physical dimensions, and ratings of all equipment. Contractor shall furnish performance curves for all pumps and fans. Where printed literature describes items in addition to that item being submitted, submitted item shall be clearly marked on sheet and superfluous information shall be crossed out. If highlighting is used, Contractor shall mark all copies.
- D. Equipment submittals shall be complete and include space requirements, weight, electrical and mechanical requirements, performance data, and supplemental information that may be requested.

5. SAMPLES:

- A. Contractor shall submit for approval Samples as required and within the time frame in the Contract Documents. Materials such as concrete, mortar, etc., which require on-site testing will be obtained from Project Site.
- B. Contractor shall submit three (3) samples except where greater or lesser number is specifically required by Contract Documents including, without limitation, the Specifications.
 1. Samples must be of sufficient size and quality to clearly illustrate functional characteristics, with integrally related parts and attachment devices.
 2. Samples must show full range of texture, color, and pattern.
 3. Samples must be clearly identified with site, project name, area intended, Finish, etc. as applicable.
- C. Contractor shall make all Submittals, unless it has authorized Subcontractor(s) to submit and Contractor has notified the District in writing to this effect.
- D. Samples to be shipped prepaid or hand-delivered to the District.

- E. Contractor shall mark samples to show name of Project, name of Contractor submitting, Contract number and segment of Work where representative Sample will be used, all applicable Specifications Sections and documents, Contract Drawing Number and detail, and ASTM or FS reference, if applicable.
- F. Contractor shall not deliver any material to Site prior to receipt of District's and/or Architect's completed written review and approval. Contractor shall furnish materials equal in every respect to approved Samples and execute Work in conformance therewith.
- G. District's and/or Architect's review, acceptance, and/or approval of Sample(s) will not preclude rejections of any material upon discovery of defects in same prior to final acceptance of completed Work.
- H. After a material has been approved, no change in brand or make will be permitted.
- I. Contractor shall prepare its Submittal Schedule and submit Samples of materials requiring laboratory tests to specified laboratory for testing not less than ten (10) days before such materials are required to be used in Work.
- J. Samples, which are rejected, must be resubmitted promptly after notification of rejection and be marked 'Resubmitted Sample' in addition to other information required.
- K. Field Samples and Mock-Ups are to be removed by Contractor, without adjustment of the Contract Time or Contract Price, at District's direction:
 - 1. Size: As Specified
 - 2. Furnish catalog numbers and similar data, as requested.

6. REVIEW AND RESUBMISSION REQUIREMENTS:

- A. Sample(s), Shop Drawing(s), Product Data, and other submittal(s) will be reviewed and returned to Contractor as provided in the Submittal Schedule. One (1) copy of product or materials data will be returned to Contractor with the review status. Material will be transmitted through District approved Web-based Software, if possible, unless directed otherwise by the District.
- B. Samples to be incorporated into the Work will be returned to Contractor, together with a written notice designating the Sample with the appropriate review status and indicating errors discovered on review, if any. Other Samples will not be returned, but the same notice will be given with respect thereto, and that notice shall be considered a return of the Sample.
- C. Contractor shall revise and resubmit any Sample(s), Shop Drawing(s), Product Data, and other submittal(s) as required by the reviewer. Such resubmittals will be reviewed and returned in the same manner as original Sample(s), Shop Drawing(s), Product Data, and other submittal(s), within the time established by the District and if no time is established by the District, within five (5) days after receipt.
- D. Contractor may proceed with any of the Work covered by Sample(s), Shop Drawing(s), Product Data, and other submittal(s) upon its return if designated as no exception taken, or revise as noted, provided the Contractor proceeds in accordance with the District and/or the Architect's notes and comments.
- E. Contractor shall not begin any of the work covered by a Sample(s), Shop Drawing(s), Product Data, and other submittal(s), designated as revise and resubmit or rejected, until a revision or correction thereof has been reviewed and returned to Contractor.
- F. Neither the review nor the lack of review of any Sample(s), Shop Drawing(s), Product Data, and other submittal(s) shall waive any of the requirements of the Contract Documents or relieve Contractor of any obligation thereunder.
- G. District's and/or Architect's review of Shop Drawings does not relieve the Contractor of responsibility for any errors that may exist. Contractor is responsible for the dimensions and design of adequate connections and details and for satisfactory construction of all the Work.

END OF DOCUMENT 01 33 00

DOCUMENT 01 35 00
QUALITY REQUIREMENTS (Mock-up Requirements)

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Administrative and procedural requirements for quality assurance and quality control.
- B. Testing and inspecting services are required to verify compliance with requirements specified or indicated. These services do not relieve Contractor of responsibility for compliance with Contract Document requirements.
 - 1. Specific quality-control requirements for individual construction activities are specified in Sections that specify those activities. Requirements of this Section relate to customized fabrication and installation procedures specified in those Sections. Requirements in those Sections may also cover production of standard products.
 - 2. Specified tests, inspections and related actions described herein or elsewhere in the Contract Documents do not constitute a limitation on Contractor's responsibility to establish and maintain quality-control procedures that comply with requirements of the Contract Document or Applicable Laws.

1.02 RELATED DOCUMENTS

- A. Construction Documents as defined in the Construction Services Agreement.

- B. Construction Services Agreement.
- C. Other General Requirements.
- D. Divisions 2 through 16 Sections for specific test and inspection requirements.

1.03 REFERENCES

- A. American Society for Testing and Materials (ASTM):
 - 1. ASTM E 548 Guide for General Criteria Used for Evaluating Laboratory Competence.

1.04 DEFINITIONS

- A. Quality-Assurance Services: Activities, actions, and procedures performed before and during execution of Work to guard against defects and deficiencies and ensure that proposed construction complies with requirements.
- B. Quality-Control Services: Tests, inspections, procedures, and related actions (other than construction administration activities performed by Architect) that occur during and after execution of Work to evaluate that completed Work complies with requirements of Contract Documents and Applicable Laws.
- C. Mockups: Full-size, physical example assemblies to illustrate finishes and materials. Mockups are used to verify selections made under Sample Submittals, to demonstrate aesthetic effects and, where indicated, qualities of materials and execution, and to review construction, coordination, testing, or operation. Mockups are not Samples. Mockups establish standard by which Work will be judged.
- D. Testing Agency: Entity engaged to perform specific tests, inspections, or both. Testing laboratory shall mean same as testing agency.

1.05 DELEGATED DESIGN

- A. Performance and Design Criteria: Where professional design services or certifications by design professional are specifically required of Contractor by Contract Documents, provide products and systems complying with specific performance and design criteria indicated.
 - 1. If criteria indicated are not sufficient to perform services or certification required, submit written request for additional information to Architect.
 - 2. Delegated-Design Submittal: In addition to Shop Drawings, Product Data, and other required Submittals, submit statement, signed and sealed by responsible design professional, for each product and system specifically assigned to Contractor to be designed or certified by design professional, indicating that products and systems are in compliance with performance and design criteria indicated. Include list of codes, loads, and other factors used in performing these services.

1.06 REGULATORY REQUIREMENTS

- A. Copies of Regulations: Obtain copies of following regulations and retain at Site to be available for reference by parties who have reasonable need. Documents include, but are not limited to:
 - 1. Additional documents as requested by Project Inspector, Program Manager or Architect.

1.07 SUBMITTALS

- A. Reports:
 - 1. Either Contractor (in those instances where the Contractor is responsible under the Contract Documents for testing or inspection) or the independent testing or inspection agency responsible for the testing or inspection shall submit certified written report of each inspection, test, or similar

service, with copies to Project Inspector, Contractor and Architect. Submit additional copies of each written report directly to Governmental Authorities, when so directed by the Governmental Authorities.

2. Such reports shall include following:
 - a. Date of issue.
 - b. Project title and number.
 - c. Name, address, and telephone number of testing agency.
 - d. Dates and locations of samples and tests or inspections.
 - e. Names of individuals making tests and inspections.
 - f. Description of Work and test and inspection method.
 - g. Identification of product and Specification Section.
 - h. Complete test or inspection data.
 - i. Test and inspection results and interpretation of test results.
 - j. Ambient conditions at time of sample taking and testing and inspecting.
 - k. Comments or professional opinion on whether tested or inspected Work complies with Contract Document requirements.
 - l. Name and signature of laboratory inspector.
 - m. Recommendations on retesting and re-inspection.

B. Permits, Licenses, and Certificates: For District's records, submit copies of permits, licenses, certifications and inspection reports required by Applicable Laws or requirements of Contract Documents.

1.08 QUALITY ASSURANCE

- A. Specialists: Certain sections of Specifications may require that specific construction activities shall be performed by entities who are recognized experts in those operations. Specialists shall satisfy qualification requirements indicated and shall be engaged for activities indicated.
 1. Requirement for specialists shall not supersede building codes and other Applicable Laws nor interfere with local trade-union jurisdictional settlements and similar conventions.
- B. Testing Agency Qualifications: Agency with experience and capability to conduct testing and inspecting indicated, as documented by ASTM E 548, and that specializes in types of tests and inspections to be performed.
- C. Preconstruction Testing: Where required by other Sections, testing agency shall perform preconstruction testing for compliance with specified requirements for performance and test methods.
 1. Contractor responsibilities include following:
 - a. Provide test specimens and assemblies representative of proposed materials and construction. Provide sizes and configurations of assemblies to adequately demonstrate capability of product to comply with performance requirements.
 - b. Submit specimens in timely manner with sufficient time for testing and analyzing results to prevent any Delay to the performance of the Work.
 - c. Fabricate and install test assemblies using installers who will perform same tasks for Project.
 - d. When testing is complete, remove assemblies; do not reuse materials on Project.
 2. Testing Agency Responsibilities: Submit certified written report of each test, inspection, and similar quality-assurance service to Architect with copy to Contractor and Project Inspector. Interpret tests and inspections and state in each report whether tested and inspected work complies with or deviates from Contract Documents.

- D. Mockups: Before installing portions of Work requiring mockups, build mockups for each form of construction and finish required to comply with following requirements, using materials indicated for completed Work:
1. Build mockups in location and of size indicated or, if not indicated, as directed by Architect. Mock-ups are not to be part of the actual Building Construction.
 - a. **As a minimum, include the following materials for mock-up: Metal Wall Panel System, Phenolic Wall Panel System, Glazed Aluminum Storefront System with all glass types (colors) specified, Portland Cement Plaster on Lath and on CMU/Studs, ceramic tile floors and walls, acoustic wall panel systems, exterior concrete finishes including walkways, benches, planters.**
 - b. **Mockups shall be provided for all conditions and details where different materials meet as shown on the Drawings. Mockup will require details where the materials intersect each other in plan and section views.**
 - c. **Mockup Layout to be provided in Submittal format for review prior to Installation of Mock up.**
 2. Notify Project Inspector and Architect seven (7) days' in advance of dates and times when mockups will be constructed.
 3. Demonstrate the proposed range of aesthetic effects and workmanship.
 4. Obtain Architect's approval of mockups before starting work, fabrication, or construction and/or modify or replace Mock-up until mock-up is approved.
 5. Maintain mockups during construction in undisturbed condition as standard for judging completed Work.
 6. Final disposition of mockups shall be as specified in individual Specification Sections.

1.09 QUALITY CONTROL

- A. District Responsibilities: Where quality control services are indicated as District's responsibility, District will engage qualified testing agency to perform these services.
1. District will furnish Contractor with names, addresses and telephone numbers of testing agencies engaged and description of types of testing and inspecting they are engaged to perform.
 2. Payment for these services will be made to testing and inspecting agency by the Program Manager on behalf of the District.
 3. Costs for retesting and re-inspection of construction that constitutes a replacement or repair to Work that fails, or that is necessitated due to Work failing, to comply with Contract Documents will be at the expense of Contractor and without adjustment to the Guaranteed Maximum Price.
- B. Contractor Responsibilities: Unless otherwise indicated, provide quality control services specified and required by Governmental Authorities.
1. Engage qualified testing agency to perform these quality control services.
 2. Contractor shall not employ same entity engaged by District, unless agreed to in writing by District.
 3. Notify testing agencies at least forty-eight (48) hours in advance of time when Work that requires testing or inspecting will be performed.
 4. Testing and inspecting requested by Contractor and not required by Contract Documents are Contractor's responsibility and performed at Contractor's own expense, without adjustment to the Guaranteed Maximum Price.
 5. The Contractor shall submit a statement of responsibility for the construction of lateral forces resisting system complying with 2010 CBC Section 1709A.1.

- C. Special Tests and Inspections: District will engage testing agency to conduct special tests and inspections required by Governmental Authorities and that under the Contract Documents are the responsibility of District.
1. Testing agency will notify Project Inspector, Architect and Contractor promptly of irregularities and deficiencies observed in Work during performance of its services.
 2. Testing agency will submit certified written report of each test, inspection, and similar quality control service to Project Inspector, Architect, with copy to Contractor and to Governmental Authorities.
 3. Testing agency will submit final report of special tests and inspections at Substantial Completion, which includes list of unresolved deficiencies.
 4. Testing agency will interpret tests and inspections and state in each report whether tested and inspected work complies with or deviates from Contract Documents.
 5. Testing agency will retest and re-inspect corrected Work. Costs of retesting that is necessitated due to a failure by the Work to comply with the Contract Documents shall be at the Contractor's expense and without adjustment to the Guaranteed Maximum Price.
- D. Manufacturer's Field Services: Where indicated, Contractor shall engage factory-authorized service representative to inspect field-assembled components and equipment installation, including service connections. Contractor shall report results in writing to the District Representative.
- E. Retesting/Re-inspection: Regardless of whether original tests or inspections were Contractor's responsibility, Contractor shall provide at its own expense and without adjustment to the Guaranteed Maximum Price the necessary services of retesting and re-inspection of the Work that is replaced or repaired due to a failure of the Work to comply with requirements of Contract Documents.
- F. Testing Agency Responsibilities: Testing agencies shall cooperate with Architect, Contractor and Project Inspector in performance of their duties. Testing agencies shall provide qualified personnel to perform required tests and inspections, including the following:
1. Notify Contractor, Architect, and Project Inspector promptly of irregularities or deficiencies observed in Work.
 2. Interpret tests and inspections and state in each report whether tested and inspected work complies with or deviates from the requirements of the Contract Documents.
 3. Submit certified written report, in duplicate, of each test, inspection, and similar quality control service through Contractor.
 4. Do not release, revoke, alter, or increase requirements of Contract Documents or approve or accept any portion of Work.
 5. Do not perform any duties of Contractor.
- G. Associated Services: Cooperate with agencies performing required tests, inspections, and similar quality-control services, and provide reasonable auxiliary services as requested. Notify agency sufficiently in advance of operations to permit assignment of personnel. Auxiliary services required include, but are not limited to:
1. Access to Work.
 2. Incidental labor and facilities necessary to facilitate tests and inspections.
 3. Adequate quantities of representative samples of materials that require testing and inspecting. Assist agency or District in obtaining samples.
 4. Facilities for storage and field-curing of test samples.
 5. Where required by testing agencies, delivery of samples to testing agencies.
 6. Preliminary design mix proposed for use for material mixes that require control by testing agency.
 7. Security and protection for samples and for testing and inspecting equipment at Project site.

- H. Coordination: Contractor shall coordinate sequence of activities to accommodate required quality-assurance and quality-control services without Delay and to avoid necessity of removing and replacing construction to accommodate testing and inspecting.
 - 1. Schedule times for tests, inspections, obtaining samples, and similar activities.
- I. Schedule of Tests and Inspections: Prepare schedule of tests, inspections, and similar quality control services required by Contract Documents. Submit schedule within fourteen (14) days of issuance of Notice to Proceed.
 - 1. Distribution: Distribute schedule to Project Inspector, Architect, testing agencies, and each party involved in performance of portions of Work where tests and inspections are required.

PART 2 PRODUCTS (Not Applicable)

PART 3 EXECUTION

3.01 TESTING AGENCIES

- A. Testing agencies and labs shall be DSA-Approved.

3.02 REPAIR AND PROTECTION

- A. General: On completion of testing, inspecting, sample taking, and similar services, repair damaged construction and restore substrates and finishes.
 - 1. Provide materials and comply with installation requirements specified in other Sections of the Specifications. Restore patched areas and extend restoration into adjoining areas in manner that eliminates evidence of patching.
 - 2. Comply with Contract Document requirements.
- B. Protect construction exposed.
- C. Repair and protection are sole Contractor's responsibility, regardless of assignment of responsibility for quality control services.

END OF DOCUMENT 01 33 00

DOCUMENT 01 35 13
SITE STANDARDS

1. RELATED DOCUMENTS AND PROVISIONS:

- A. All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:
- B. General Conditions, including without limitation, Site Access, Conditions, and Regulations;
- C. Special Conditions;
- D. Drug-Free Workplace Certification;
- E. Tobacco-Free Environment Certification
- F. Criminal Background Investigation/Fingerprinting Certification;

2. REQUIREMENTS OF THE DISTRICT:

- A. Drug-Free Schools and Safety Requirements:
 - 1. All school sites and other District Facilities have been declared 'Drug-Free Zones.' No drugs, alcohol and/or tobacco products are allowed at any time in any buildings and/or grounds on District property. No students, staff, visitors, or contractors are to use drugs on these sites.
 - 2. Smoking and the use of tobacco or marijuana products in any form by all persons is prohibited on or in District property. District property includes school buildings, school grounds, school owned vehicles and vehicles owned by others while on District property. Contractor shall post: 'Non-Smoking Area' in a highly visible location on Site.
- B. Language: Unacceptable and/or loud language will not be tolerated, 'Cat calls' or other derogatory language toward students or public will not be allowed. Personnel engaging such conduct are subject to removal from the Site pursuant to the General Conditions.
- C. Board Policies. Board Policies of the District are applicable at the Site. All personnel shall comply with all applicable Board Policies regarding personal conduct and use of District property.
- D. Disturbing the Peace (Noise and Lighting):
 - 1. Contractor shall observe the noise ordinance of the Site at all times including, without limitation, all applicable local, city, and/or state laws, ordinances, and/or regulations regarding noise and allowable noise levels.
 - 2. The use of radios and other audio devices shall be controlled to keep all sound at a level that cannot be heard beyond the immediate area of use. District reserves the right to prohibit the use of audio devices at the Site, except for mobile communications devices. The Contractor shall prohibit personnel at the Site from use of any audio or communications device that may jeopardize safety of persons or property.

3. If portable lights are used after dark, all light must be located so as not to direct light into neighboring property.
4. Contractor shall limit its Work so as not to disturb persons beyond the boundaries of the Site.

E. Site Activity Limitations

1. Contractor shall regulate the use of its forces and equipment as required against public or unauthorized access to the Work and to protect persons, the Work, and existing facilities from damage or injury.
2. Contractor shall regulate the use of its forces and equipment to prevent Contractor's activities from interfering with the instructional and administrative functions of the District.
3. Contractor shall conform its conduct to the requirements of the City of La Habra with respect to work hours and noise levels.
4. All limitations on Work activities set forth in these Special Conditions shall be incorporated into and reflected in the Construction Schedules prepared by the Contractor pursuant to the Contract Documents.
5. No adjustment of the Contract Time or the Contract Price will be allowed due to limitations on Work activities at the Site set forth in these Special Conditions.

F. Traffic:

1. Driving on the Premises shall be limited to periods when students and public are not present, if approved by the District in advance. If driving or deliveries must be made during the school hours, two (2) or more ground guides shall lead the vehicle across the area of travel. In no case shall driving take place across playgrounds or other pedestrian paths during recess, lunch, and/or class period changes. The speed limit on-the Premises shall be five (5) miles per hour (maximum) or less if conditions require.
2. All paths of travel for deliveries, including without limitation, material, equipment, and supply deliveries, shall be reviewed and approved by District in advance. Any damage will be repaired to the pre-damaged condition by the Contractor.
3. District shall designate a construction entry to the Site. If Contractor requests, District determines it is required, and to the extent possible, District shall designate a staging area so as not to interfere with the normal functioning of school facilities. Location of gates and fencing shall be approved in advance with District. Gates and fencing shall be installed and maintained at Contractor's expense without adjustment of the Contract Price or the Contract Time.
4. Parking areas shall be reviewed and approved by District in advance. No parking is to occur under the drip line of trees or in areas that could otherwise be damaged.

All of the above shall be observed and complied with by the Contractor and all workers on the Site. Failure to follow these directives could result in individual(s) being suspended or removed from the work force at the discretion of the District. The same rules and regulations shall apply equally to delivery personnel, inspectors, consultants, and other visitors to the Site.

END OF DOCUMENT 01 35 13

DOCUMENT 01 35 42
CALGREEN REQUIREMENTS

1. DESCRIPTION

- A. This Section includes general requirements and procedures for compliance with current CALGreen nonresidential mandatory [and voluntary] requirements.
- B. Related Sections:
 - 1. Divisions 01 through 48 Sections, as applicable, for CALGreen requirements specific to the work of each of those Sections.

2. SUBMITTALS

- A. CALGreen submittals are in addition to other submittals. If submitted item is identical to that submitted to comply with other requirements, submit duplicate copies as a separate submittal to verify compliance with indicated CALGreen requirements.
- B. Contractor shall develop a spreadsheet or use one furnished by the Architect [District] to track submittals required by CALGreen.
- C. CALGreen Submittals:
 - 1. Furnish documentation showing verification of CALGreen compliance as required by enforcing agency.
 - 2. Storm Water Loss Prevention Plan: Newly constructed projects and additions which disturb less than one acre of land shall prevent the pollution of storm water runoff from the construction activities through one or more of the following measures:
 - a. Local ordinance.
 - b. Best management practices
 - 3. Grading and Paving: Furnish drawing showing grading and paving designed to keep surface water from entering buildings.
 - 4. Construction Waste Management Plan: Furnish a construction waste management plan complying with specified requirements.
 - 5. Composite Wood Products: Furnish documentation showing compliance specified in these specifications.
 - 6. Resilient Flooring: Furnish documentation showing resilient flooring materials meet the pollutant emission limits.
 - 7. Document Compliance with 5.507.4.22
 - a. An acoustical analysis documenting complying interior sound levels shall be prepared by personnel approved by the architect or engineer of record.

3. SUMMARY OF CALGREEN REQUIREMENTS

- A. Planning and Design:

Site Development Requirements: Comply with the applicable requirements specified in these specifications.

1. Storm Water Pollution Program: Newly constructed projects and additions which disturb less than one acre of land shall prevent the pollution of stormwater runoff from the construction activities through one or more of the following measures:
 - a. Local ordinance
 - b. Best management practices
2. Bicycle Parking: Comply with specified in these specifications, as applicable, for short-term and long-term bicycle parking.
3. Designated Parking: Comply with specified in these specifications, for designated parking for low-emitting, fuel-efficient and carpool/van pool vehicles.
4. Light Pollution Reduction: Comply with specified in these specifications, for outdoor lighting systems
5. Grading and Paving: Construction and grading plans shall comply with specified in these specifications.

B. Water Efficiency and Conservation:

1. Indoor Water Use: Comply with the applicable requirements of specified in these specifications, for Indoor Water Use Baseline.
2. Outdoor Water Use: Comply with the applicable requirements of specified in these specifications.

C. Material Conservation and Resource Efficiency:

1. Water Resistance and Moisture Management: Comply with requirements specified in these specifications, for Weather Protection and Moisture Control.
2. Construction Waste Reduction, Disposal and Recycling: Comply with requirements specified in these specifications.
 - a. Recycled and/or salvage for reuse a minimum of 50-percent of the nonhazardous construction and demolition waste or meet a local construction and demolition waste management ordinance, whichever is more stringent.
 - b. Where the local jurisdiction does not have a construction and demolition waste management ordinance, submit a construction waste management plan with the following:
 - i. Identify the materials to be diverted from disposal by efficient usage, recycling, reuse on the Project or salvage for future use or sale.
 - ii. Determine if materials will be sorted on-site or mixed.
 - iii. Identify diversion facilities where material collected will be taken.
 - iv. Indicate the amount of materials diverted, calculated by weight or volume, but not by both.
 - c. Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with specified in these specifications.
 - d. The combined weight of new construction disposal that does not exceed 2 pounds per sq. ft. of building area may be deemed to meet the 50-percent minimum requirement.
 - e. Documentation shall be provided to the enforcing agency that demonstrated compliance with specified in these specifications. The waste management plan shall be updated as required and shall be accessible during construction for examination by the enforcing agency.
 - f. 100-percent of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled.

3. Building Maintenance and Operation: Comply with the requirements specified in these specifications.
 - a. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including paper, corrugated cardboard, glass, plastics and metals.
 - b. For new buildings of 10,000-sq. ft. or more, comply with the commissioning requirements specified in these specifications. Commissioning shall be performed by trained personnel with experience on projects of comparable size and complexity. General commissioning requirements include the following. The specific requirements of each item are specified in these specifications.
 - i. District's or District Representative's project requirements.
 - ii. Basis of design.
 - iii. Commissioning measures shown in the Construction Documents.
 - iv. Commissioning plan.
 - v. Functional performance testing.
 - vi. Documentation and training.
 - vii. Commissioning Report.
 - c. For new buildings less than 10,000-sq. ft., test and adjust systems as specified in these specifications, Spec Section Commissioning,

D. Environmental Quality:

1. Pollutant Control: Comply with the requirements specified in these specifications.
 - a. The permanent HVAC system shall only be used during construction if necessary to condition the building or areas of addition or alteration within the required temperature range for material and equipment installation. If the HVAC system is used during construction, use return air filters with a minimum MERV of 13.
 - b. Cover duct openings and protect mechanical equipment during construction as specified in these specifications, conditions of the Work or conditions at the Site.
 - c. Finish materials shall comply with the requirement specified in these specifications, as follows:
 - i. Adhesives, adhesive bonding primers, adhesive primers and caulks shall meet the following requirements:
 1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers, and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable or SCAQMD Rule 1168 VOC limits as shown in Tables 5.504.4.1 and 5.504.2.
 2. Aerosol adhesives and smaller unit sizes of adhesives, and sealant or caulking compounds shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of CCR Title 17, commencing with Section 94507.
 - ii. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure, as shown in Table 5.504.4.3 unless more stringent local limits apply.
 1. Aerosol paints and coatings shall meet the PWMIR Limits for ROC in Section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(c)(2) and (d)(2) of CCR, Title 17, commencing with Section 94520 and in areas under the AQMD and Local Jurisdiction

comply with the percent VOC by weight of product limits of Regulation 8 Rule 49.

- iii. Carpet shall meet the testing and product requirements of one of the following, as required specified in these specifications:
 - 1. Carpet and Rug Institute's Green Label Plus Program.
 - 2. California Department of Public Health Standard Practice for the testing of VOCs (Specification 01350).
 - 3. NSF/ANSI 140 at the Gold level.
 - 4. Scientific Certifications Systems Sustainable Choice.
 - 5. California Collaborative for High Performance Schools (CA-CHPS) and listed in the CHPS High Performance Product Database.
 - 6. Carpet cushion shall meet the requirements of the Carpet and Rug Institute Green Label program.
 - 7. Carpet adhesive shall meet the requirements of Table 5.504.4.1.
- iv. Composite wood products, including hardwood plywood, particleboard and medium density fiberboard, used on the interior or exterior of the building shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure for Composite Wood (17 CCR 93120 et seq.) by or before the dates specified in those sections, as shown in Table 5.504.4.5.
- v. For 80% of floor area receiving resilient flooring, installed resilient flooring shall meet at least one of the following:
 - 1. Certified under the Resilient Floor Covering Institute (RFCI) FloorScore program.
 - 2. Compliant with the VOC emission limits and testing requirements specified in the California Department of Public Health's 2010 Standard Method for the Testing and Evaluation Chambers, Version 1.1, February 2010.
 - 3. Compliant with California Collaborative for High Performance Schools (CA-CHPS) Criteria Interpretation for EQ2.2 dated July 2012 and listed in CHPS High Performance Product Database.
 - 4. Compliant with CDPH criteria as certified under the Green Guard Children's & Schools Programs.
- d. Provide regularly occupied areas of the building with air filtration media for outside and return air prior to occupancy that provides at least a MERV of 13 or as specified in these specifications.
- e. Indoor Moisture Control: Comply with the requirements specified in these specifications.
- f. Indoor Air Quality: Comply with the requirements specified in these specifications.
 - i. Environmental Comfort: Comply with the requirements specified in these specifications.
 - g. Outdoor Air Quality: Comply with the requirements specified in these specifications.

E. Summary:

- 1. Certain CALGreen Measures needed to comply with code are dependent on material selections, documentation, means, and methods of the work. Each item related to CALGreen may not be specifically identified as CALGreen requirements in this Section. Refer to CALGreen Code, CCR Title 24, and Part 11 for complete descriptions of measures and submittal requirements.

2. Designate an onsite field staff person contact for all CALGreen prerequisites and credit documentation, subcontractor supervision and submittal coordination and to manage the Contractor's portions of the CALGreen submittal process.
3. Documentation for CALGreen Measures shall be submitted in the format required by the CALGreen code.
4. A copy of the CALGreen code, CCR Title 24, Part 11 shall be available on-site at all times.
5. Additional information on CALGreen can be found at <https://www.dgs.ca.gov/BSC/CALGreen>.

F. Meetings:

1. Contractor shall conduct CALGreen compliance meetings as required. Contractor personnel who shall attend CALGreen compliance meetings include, but are not limited to:
 - a. Contractor's Project Manager.
 - b. District's Representative.
 - c. Other attendees designated by District's Representative.
 - d. Subcontractor representatives as appropriate to stage of work.
2. At a minimum, CALGreen compliance issues shall be discussed at the following meetings:
 - a. Preconstruction meetings.
 - b. Progress meetings.
 - c. Subcontractor meetings.
 - d. Meetings shall be scheduled as part of regularly scheduled job meetings on-site.

4. NON-RESIDENTIAL VOLUNTARY MEASURES

- A. Use locally produced and/or manufactured building materials for at least 10 percent of the construction materials used for the project.
- B. Recycle/reuse at least 50 percent of the demolished and/or grubbed construction materials (including, but not limited to, soil, vegetation, concrete, lumber, metal, and cardboard) if feasible.
- C. Use 'Green Building Materials,' such as those materials that are resource-efficient and are recycled and manufactured in an environmentally friendly way, for at least 10 percent of the project.

END OF DOCUMENT 01 35 42

DOCUMENT 01 43 00
MATERIALS AND EQUIPMENT

1. RELATED DOCUMENTS AND PROVISIONS

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions, including, without limitation, Purchase of Materials and Equipment;
- B. Special Conditions;
- C. Imported Soils and Fill Materials Certification.

2. MATERIAL AND EQUIPMENT

- A. Only items specified in the Contract Documents shall be used; if items specified in the Contract Documents require prior approved by the District and/or Architect, the Contractor shall use or incorporate such items into the Work only after approval is obtained.
- B. Contractor shall submit lists of products and other product information in accordance with the Contract Documents, including, without limitation, the provisions regarding the submittals.

3. MATERIAL AND EQUIPMENT COLORS

- A. The District and/or Architect will provide a schedule of colors.
- B. No individual color selections will be made until after approval of all pertinent materials and equipment and after receipt of appropriate samples in accordance with the Contract Documents, including, without limitation, the provisions regarding the submittals.
- C. Contractor shall request priority in writing for any item requiring advance ordering to maintain the approved Construction Schedule.

4. DELIVERY, STORAGE, AND HANDLING

- A. Contractor shall deliver manufactured materials to the Site in original packages, containers, or bundles (with seals unbroken), bearing name or identification mark of manufacturer.
- B. Contractor shall deliver fabrications in as large assemblies as practicable; where specified as shop-primed or shop-finished, package or crate as required to preserve such priming or finish intact and free from abrasion.
- C. Contractor shall store materials in such a manner as necessary to properly protect them from damage. Materials or equipment damaged by handling, weather, dirt, or from any other cause will not be accepted; damaged materials or equipment shall be repaired or replaced at the District's sole discretion without adjustment of the Contract Price or Contract Time.
- D. Materials/equipment are not acceptable that have been warehoused for long periods of time, stored or transported in improper environment, improperly packaged, inadequately labeled, poorly protected, excessively shipped, deviated from normal distribution pattern, or reassembled.
- E. Contractor shall store materials/equipment to cause no obstructions of sidewalks, roadways, and underground services. Contractor shall protect material and equipment furnished under Contract.
- F. Contractor may store materials/equipment on Site with prior written approval by the District, all material/equipment shall remain under Contractor's control and Contractor shall remain liable for any loss, damage or destruction to the materials/equipment. Should the Project Site not have storage area available, the Contractor shall provide for off-site storage at a bonded warehouse and with appropriate insurance coverage without adjustment of the Contract Price.
- G. When any room in Project is used as a shop or storeroom, the Contractor shall be responsible for any repairs, patching, or cleaning necessary to return the area(s) to the condition existing before the Contractor's use. Location of storage space shall be subject to prior written approval by District.
- H. Contractor may not store materials and/or equipment for Project offsite and be paid for such.
- I. The Contractor store Owner Furnished/Contractor Installed products at the Site when delivered to the Site for Contractor installation. Sections C, E, F and G above and Document 01 66 00 of these Specifications shall apply to the Contractor's handling and storage of Owner Furnished/Contractor Installed products pending incorporation into the Work.

5. MANUFACTURERS

- A. Manufacturers listed in various sections of Contract Documents are names of those manufacturers that are believed to be capable of supplying one or more of items specified therein.

- B. The listing of a manufacturer does not imply that every product of that manufacturer is acceptable as meeting the requirements of the Contract Documents.

6. FACILITIES AND EQUIPMENT

Contractor shall provide, install, maintain, and operate a complete and adequate facility for handling, the execution, disposal, and distribution of material and equipment as required for proper and timely performance of Work connected with Contract.

7. MATERIAL REFERENCE STANDARDS

Where material is specified solely by reference to 'standard specifications' and if requested by District, Contractor shall submit for review data on actual material proposed to be incorporated into Work of Contract listing name and address of vendor, manufacturer, or producer, and trade or brand names of those materials, and data substantiating compliance with standard specifications.

8. WORKMANSHIP

- A. Where not more specifically described in any other Contract Documents, workmanship shall conform to methods and operations of best standards and accepted practices of trade or trades involved and shall include items of fabrication, construction, or installation regularly furnished or required for completion (including finish and for successful operation, as intended).
- B. Work shall be executed by tradespersons skilled in their respective lines of Work. When completed, parts shall have been durably and substantially built and present a neat appearance.

9. COORDINATION

- A. Contractor shall coordinate installation of Work to not interfere with installation of others. Adjustment or rework because of Contractor's failure to coordinate without adjustment of the Contract Price or the Contract Time.
- B. Contractor shall examine in-place work for readiness, completeness, fitness to be concealed or to receive other work, and in compliance with Contract Documents. Concealing or covering Work constitutes acceptance of additional cost which will result should in-place Work be found unsuitable for receiving other Work or otherwise deviating from the requirements of the Contract Documents.

10. COMPLETENESS

Contractor shall provide all portions of the Work, unless clearly stated otherwise, installed complete and operational with all elements, accessories, anchorages, utility connections, etc., in manner to assure well-balanced performance, in accordance with manufacturer's recommendations and as required by the Contract Documents. For example, electric water coolers require water, electricity, and drain services; roof drains require drain system; sinks fit within countertop, etc. Terms such as 'installed complete', 'operable condition', 'for use intended', 'connected to all utilities', 'terminate with proper cap', 'adequately anchored', 'patch and refinish', 'to match similar', should be assumed to apply in all cases, except where completeness of functional or operable condition is specifically stated as not required.

11. APPROVED INSTALLER OR APPLICATOR

Installation by a manufacturer's approved installer or applicator is an understood part of Specifications and only approved installer or applicator is to provide on-site Work where specified manufacturer has ongoing program of approving (i.e. certifying, bonding, re-warranting) installers or applicators. Newly established relationships

between a manufacturer and an installer or applicator who does not have other approved applicator work in progress or completed is not approved for this Project.

12. MANUFACTURER'S RECOMMENDATIONS

All installations shall be in accordance with manufacturer's published recommendations and specific written directions of manufacturer's representative. Should Contract Documents differ from recommendations of manufacturer or directions of his representative, Contractor shall analyze differences, make recommendations to the District and the Architect in writing, and shall not proceed until interpretation or clarification has been issued by the District and/or the Architect.

END OF DOCUMENT 01 43 00

DOCUMENT 01 45 00 **QUALITY CONTROL**

1. RELATED DOCUMENTS AND PROVISIONS:

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions, including, without limitation, Inspector, Inspections and Tests, Uncovering of Work and Non-conforming of Work and Correction of Work;
- B. Special Conditions.

2. RELATED CODES:

- A. The Work is governed by requirements of Title 24, California Code of Regulations ('CCR'), and the Contractor shall keep a copy of these available at the job Site for ready reference during construction.
- B. The Division of the State Architect ('DSA') shall be notified at or before the start of construction.

3. OBSERVATION AND SUPERVISION:

- A. The District and Architect or their appointed representatives will review the Work and the Contractor shall provide facilities and access to the Work at all times as required to facilitate this review. Administration by the Architect and any consulting Structural Engineer will be in accordance with applicable regulations, including, without limitation, CCR, Part 1, Title 24, Section 4-341.
- B. One or more Project Inspector(s) approved by DSA and employed by or under contract with the District, referred to hereinafter as the 'Project Inspector', will observe the work in accordance with CCR, Part 1, Title 24, Sections 4-333(b) and 4-342:
 - 1. The Project Inspector shall have access to the Work wherever it is in preparation or progress for ascertaining that the Work is in accordance with the Contract Documents and all applicable code sections. The Contractor shall provide facilities and access as required and shall provide assistance for sampling or measuring materials.
 - 2. The Project Inspector will notify the District and Architect and call the attention of the Contractor to any observed failure of Work or material to conform to Contract Documents.
 - 3. The Project Inspector shall observe and monitor all testing and inspection activities required.
 - 4. The Project Inspector shall have the duties and authority established by the law, code or regulation, including DSA Regulations.
- C. The Contractor shall conform with all applicable laws as indicated in the Contract Documents, including, without limitation, to CCR, Part 1, Title 24, Section 4-343

4. TESTING AGENCIES:

- A. Testing agencies and tests shall be in conformance with the General Documents and the requirements of Part 1, Title 24, Section 4- 335.
- B. Testing and inspection in connection with earthwork shall be under the direction of the District's consulting soils engineer, if any, referred to hereinafter as the 'Soils Engineer.'
- C. Contractor shall be responsible to provide soils compaction testing by a District approved third party at the Contractors expense.
- D. Testing and inspection of construction materials and workmanship shall be performed by a qualified laboratory, referred to hereinafter as the 'Testing Laboratory'. The Testing Laboratory shall be under direction of an engineer registered in the State of California, shall conform to requirements of ASTM E329, and shall be employed by or in contract with the District.

5. TESTS AND INSPECTIONS:

- A. The Contractor shall be responsible for notifying the District, Architect, Construction Manager and Project Inspector of all required tests and inspections. Contractor shall notify the District, Architect, Construction Manager and Project Inspector at least seventy-two hours (72) hours in advance of the need to complete requiring testing or inspection of a portion of the Work.
- B. The Contractor shall provide access to Work to be tested and furnish incidental labor, equipment, and facilities to facilitate all inspections and tests.
- C. The District will pay for first inspections and tests required by the 'CCR', and other inspections or tests that the District and/or the Architect may direct to have made, including the following principal items:
 - 1. Tests and observations for earthwork and paving.
 - 2. Tests for concrete mix designs, including tests of trial batches.
 - 3. Tests and inspections for structural steel work.
 - 4. Field-tests for framing lumber moisture content.

5. Additional tests directed by the District that establish that materials and installation comply with the Contract Documents.
 6. Test and observation of welding and expansion anchors.
- D. The Contractor is responsible for the following costs, fees or expenses, which shall be deducted from the Contract Price:
1. Retests or re-inspections, if required, and tests or inspections required due failure of the materials to meet required test/inspection standards or lack of required identifications of material.
 2. Uncovering of work in accordance with Contract Documents.
 3. Testing done on weekends, holidays, and overtime will be chargeable to the Contractor for the overtime portion.
 4. Testing/inspection conducted off Site.
- E. Testing and inspection reports and certifications:
1. If initially received by Contractor, Contractor shall provide to each of the following one (1) hard copy and an electronic file of the agency or laboratory report of each test or inspection or certification.
 - a. The District;
 - b. Construction Manager, if any;
 - c. The Architect;
 - d. The Consulting Engineer, if any;
 - e. Other engineers on the Project, as appropriate;
 - f. The Project Inspector; and
 - g. The Contractor;
 - h. Uploaded to District approved Web-based Software.
 2. When the test or inspection is one required by the CCR, a copy of the report shall also be provided to the DSA.

END OF DOCUMENT 01 45 00

DOCUMENT 01 45 23
TESTING AND INSPECTION

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Testing and inspection services to meet requirements of the California Building Code (CBC) and the Division of the State Architect (DSA).
- B. Related Requirements:
 - 1. Section 03 20 00 - Concrete Reinforcing.
 - 2. Section 03 30 00 - Cast-in-Place Concrete.
 - 3. Section 04 22 00 - Concrete Unit Masonry.
 - 4. Section 06 10 00 - Rough Carpentry.

1.02 REFERENCES

- A. American Concrete Institute (ACI):
 - 1. ACI 318 - Building Code Requirements for Structural Concrete and Commentary.
- B. American Institute of Steel Construction (AISC):
 - 1. AISC 360 - Specification for Structural Steel Buildings.
 - 2. AISC 341 - Seismic Provisions for Structural Steel Buildings.
- C. ASTM International (ASTM):
 - 1. ASTM A108 - Standard Specification for Steel Bar, Carbon and Alloy, Cold-Finished.
 - 2. ASTM A370 - Standard Test Methods and Definitions for Mechanical Testing of Steel Products.

3. ASTM A706 - Standard Specification for Deformed and Plain Low-Alloy Steel Bars for Concrete Reinforcement.
 4. ASTM C31 - Standard Practice for Making and Curing Concrete Test Specimens in the Field.
 5. ASTM C172 - Standard Practice for Sampling Freshly Mixed Concrete.
 6. ASTM C780 - Standard Test Method for Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry.
 7. ASTM C1140 - Standard Practice for Preparing and Testing Specimens from Shotcrete Test Panels.
 8. ASTM C1314 - Standard Test Method for Compressive Strength of Masonry Prisms.
 9. ASTM C1604 - Standard Test Method for Obtaining and Testing Drilled Cores of Shotcrete.
 10. ASTM E164 - Standard Practice for Contact Ultrasonic Testing of Weldments.
 11. ASTM E488 - Standard Test Methods for Strength of Anchors in Concrete Elements.
 12. ASTM E543 – Standard Specification for Agencies Performing Nondestructive Testing.
 13. ASTM E605 - Standard Test Methods for Thickness and Density of Sprayed Fire-Resistive Material (SFRM) Applied to Structural Members.
 14. ASTM E1444 - Standard Practice for Magnetic Particle Testing.
 15. ASTM F606 - Standard Test Methods for Determining the Mechanical Properties of Externally and Internally Threaded Fasteners, Washers, Direct Tension Indicators, and Rivets.
- D. Association of the Wall and Ceiling Industry (AWCI):
1. AWCI Technical Manual 12-B - Standard Practice for the Testing and Inspection of Field Applied Thin Film Intumescent Fire-Resistive Materials; an Annotated Guide.
- E. American Welding Society (AWS):
1. AWS D1.1 - Structural Welding Code.
 2. AWS D1.4 - Structural Welding Code - Reinforcing Steel.
 3. AWS D1.8 - Structural Welding Code - Seismic Supplement.
- F. Division of the State Architect (DSA) Interpretation Regulations (IR):
1. DSA IR 17-2-Nondestructive Testing (N.D.T.) of Welds.
 2. DSA IR 17-3 - Structural Welding Inspection.
 3. DSA IR 17-8 - Sampling and Testing of High Strength Bolts, Nuts and Washers.
 4. DSA IR 17-9 - High Strength Bolting Inspection.
 5. DSA IR 17-10 - Sampling, Testing and Tagging of Reinforcing Bars.
 6. DSA IR 17-11 - Identification, Sampling and Testing of Threaded Steel Anchor Bolts and Anchor Rods.
 7. DSA IR 22-3 - Open Web Steel Joists and Joist Girders.
 8. DSA IR 23-4-Metal-Plate-Connected Wood Trusses.
 9. DSA IR-23-8-Manufactured Wood-Chord-Metal-Web Trusses.

1.03 REGULATORY REQUIREMENTS

- A. Laboratories performing testing shall have DSA's Laboratory Evaluation and Acceptance Program approval prior to providing material testing or special inspection services.
- B. Tests of materials and inspections shall be in accordance to Section 4-213 through 4-219 of the California Building Standards Commission's, California Administrative Code.
- C. Required material testing, inspections and special inspections are indicated on the DSA approved DSA-103, Listing of Structural Tests & Special Inspections (T&I List). OAR will provide CONTRACTOR copy of DSA-103.

1.04 TESTS

- A. OWNER will contract with a DSA approved testing laboratory to perform the testing indicated on the Contract Documents, including the Tests and Special Inspections (T&I) list.
- B. Selection of material to be tested shall be by the Testing Laboratory and not by CONTRACTOR.
- C. Any material shipped from the source of supply prior to having satisfactorily passed such testing and inspection, or prior to the receipt of notice from Project Inspector such testing and inspection is not required, shall not be incorporated into the Work.
- D. OWNER will select, and directly reimburse, the Testing Laboratory for costs of all DSA required tests and inspections; however, the Testing Laboratory may be reimbursed by CONTRACTOR for such costs as specified or noted in related sections of the Contract Documents.
- E. The Testing Laboratory is not authorized to release, revoke, alter, or enlarge requirements of the Contract Documents or approve or accept any portion of the Work.
- F. The Testing Laboratory shall not perform any duties of CONTRACTOR.
- G. CONTRACTOR shall provide an insulated curing box with the capacity for twenty concrete cylinders and will relocate said box and cylinders as rapidly as required in order to provide for progress of the Work.

1.05 TEST REPORTS

- A. Test reports shall include all tests performed, regardless of whether such tests indicate the material is satisfactory or unsatisfactory. Samples taken but not tested shall also be reported. Records of special sampling operations, when and as required, shall also be reported. Reports shall indicate the material (or materials) was sampled and tested in accordance with requirements of CBC, Title 24, Parts 1 and 2, as indicated on the Contract Documents. Test reports shall indicate specified design strength and specifically state whether or not the material (or materials) tested comply with the specified requirements.

1.06 VERIFICATION OF TEST REPORTS

- A. Each Testing Laboratory shall submit to the Division of the State Architect, in duplicate, a verified report covering all tests required to be performed by that agency during the progress of the Work. Such report, covering all required tests, shall be furnished prior to Substantial Completion and/or, when construction on the Work is suspended, covering all tests up to the time of Work suspension.

1.07 INSPECTION BY OWNER

- A. OWNER, and its representatives, shall have access, for purposes of inspection, at all times to all parts of the Work and to all shops wherein the Work is in preparation. CONTRACTOR shall, at all times, maintain proper facilities and provide safe access for such inspection.
- B. OAR shall have the right to reject materials and/or workmanship deemed defective Work and to require correction. Defective workmanship shall be corrected in a satisfactory manner and defective materials shall be removed from the premises and legally disposed of without charge to OWNER. If CONTRACTOR does not correct such defective Work within a reasonable time, fixed by written notice and in accordance with the terms and conditions of the Contract Documents, OWNER may correct such defective Work and proceed in accordance with related Articles of the Contract Documents.
- C. CONTRACTOR is responsible for compliance to all applicable local, state, and federal regulations regarding codes, regulations, ordinances, restrictions, and requirements.

1.08 PROJECT INSPECTOR

- A. A Project Inspector will be employed by OWNER in accordance with requirements of Title 24 of the California Code of Regulations with their duties specifically defined therein. Additional DSA Special

Inspectors may be employed and assigned to the Work by OWNER in accordance with the requirements of the CBC and DSA.

- B. Inspection of Work shall not relieve CONTRACTOR from any obligation to fulfill all terms and conditions of the Contract Documents.
- C. CONTRACTOR shall be responsible for scheduling times of inspection, tests, sample taking, and similar activities of the Work.

1.09 STRUCTURAL TESTS AND SPECIAL INSPECTIONS

A. Soils:

- 1. General: Periodic inspection by Geotechnical Engineer for verification of the following construction activities in conformance to CBC Table 1705A.6:
 - a. Site has been prepared properly prior to placement of controlled fill and/or excavations for foundations.
 - b. Foundation excavations are extended to proper depth and have reached proper material.
 - c. Materials below footings are adequate to achieve the design bearing capacity.
- 2. Compacted Fills: Testing and inspections shall be in conformance to Table 1705A.6:
 - a. Geotechnical Engineer will continuously verify the use of proper materials and inspect lift thicknesses, placement, and compaction during placement of fill.
 - b. Testing Laboratory under the supervision of the Geotechnical Engineer will:
 - 1) Perform qualification testing of fill materials.
 - 2) Test the compaction of fill.

B. Concrete:

- 1. Cast in Place Concrete: Inspection and testing in conformance to CBC Table 1705A.3:
 - a. Inspection of reinforcement, including prestressing tendons and verification of placement, per ACI 318, sections 25.2, 25.2, 25.5.1 through 26.5.3.
 - b. Reinforcing bar welding: Inspect per AWS D1.4, ACI 318 26.5.4.
 - 1) Verification of weldability of reinforcing bars other than ASTM A706.
 - 2) Inspect single-pass fillet welds, maximum 5/16".
 - 3) Inspect all other welds.
 - c. Inspect anchors cast in concrete per ACI 318, section 17.8.2.
 - d. Inspect anchors post-installed in hardened concrete members:
 - 1) Continuous inspection of adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads, per ACI 318, section 17.8.2.4.
 - 2) Mechanical anchors and adhesive anchors, not defined in previous paragraph, per ACI 318, section 17.8.2.
 - e. Design Mix:
 - 1) Verify use of required mix, per ACI 318, chapter 19 and sections 26.4.3 and 26.4.4.
 - 2) Batch Plant Inspection: The quality and quantity of materials used in transit-mixed concrete and in batched aggregates shall be continuously inspected as required by CBC section 1705A.3.2. If approved by DSA, batch plant inspection may be reduced to periodic if plant complies with CBC section 1705A.3.3.1, item 1, and requires first batch inspection, weightmaster, and batch tickets.
 - f. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete, per ASTM C172, ASTM C31, ACI 318, sections 26.4.5 and 26.12.

- g. Inspect concrete and shotcrete placement for proper application techniques, per ACI 318, section 26.4.5.
 - h. Verify maintenance of specified curing temperature and techniques per ACI 318 sections 26.4.7 through 26.4.9 and CBC section 1908.9.
 - i. Sampling and testing of reinforcing steel per ASTM A370, DSA IR 17-10 and CBC section 1910A.2. CONTRACTOR shall submit mill certificate indicating compliance with requirements for reinforcement, anchors, ties, and metal accessories.
2. Post-installed Anchors:
- a. Special Inspector will inspect installation of post-installed anchors in hardened concrete members as required by CBC table 1705A.3, item 4.
 - 1) Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads, per ACI 318, section 17.8.2.4.
 - 2) Mechanical anchors and adhesive anchors not defined above, per ACI 318, section 17.8.2.
 - b. Testing Laboratory will test post-installed anchors in conformance to CBC section 1905A and ASTM E488.

C. Structural Masonry:

1. Material Verification and Testing:
- a. Sampling and testing of reinforcing steel per ASTM A370, DSA IR 17-10 and CBC section 1910A.2. CONTRACTOR shall submit mill certificate indicating compliance with requirements for reinforcement, anchors, ties, and metal accessories.
 - b. Submit manufacturer's certificate of compliance for masonry units, mortar and grout materials. Test masonry units, mortar and grout (unit strength method).
 - c. Testing Laboratory will test masonry prisms in conformance with ASTM C1314.
 - d. Special Inspector will verify proportions of site-prepared, premixed or preblended mortar and grout, per ASTM C780.
 - e. Testing Laboratory will test core-drilled samples in conformance with CBC 2114.6.2.
2. Inspection:
- a. Special Inspector will continuously inspect preparation of prisms per ASTM C1314.
 - b. Special inspector will verify size, location and condition of dowels and construction supporting masonry.
 - c. Special inspector will verify size specified size, grade and type of reinforcement.
 - d. Special inspector will verify weldability of reinforcing bars other than ASTM A706. Special inspector to inspect reinforcing bar welding: Inspection to be in conformance with AWS D1.4, ACI 318 26.5.4.
 - e. Special inspector will inspect placement of reinforcement, connectors, masonry units and construction of mortar joints.
 - f. Special inspector will verify protection of masonry during cold weather temperature (temperature below 40° F) or hot weather (temperature above 90° F).
 - g. Special inspector will inspect type, size and location of anchors and all other items to be embedded in masonry, including other details of anchorage of masonry to structural members, frames and other construction.
 - h. Special inspector will inspect grout space prior to grouting and placement of grout.
3. Post-installed Anchors in Masonry:
- a. Special inspector will inspect anchors cast in concrete per ACI 318, section 17.8.2.
 - b. Special inspector will inspect anchors post-installed in hardened concrete members:

- 1) Continuous inspection of adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads, per ACI 318, section 17.8.2.4.
- 2) Mechanical anchors and adhesive anchors, not defined in previous paragraph, per ACI 318, section 17.8.2.
- c. Testing Laboratory will test post-installed anchors in conformance to CBC section 1905A and ASTM E488.

D. Structural Steel:

1. Special inspector will verify that all materials are properly marked in conformance with AISC 360, Section 3.3 and applicable ASTM standards.
 - a. Mill certificates indicating material properties that comply with requirements.
 - b. Materials, sizes, types and grades complying with requirements.
2. Testing Laboratory will test unidentified materials in conformance with ASTM A370.
3. Special inspector will examine seam welds of HSS shapes in conformance with DSA IR-17-3.
4. Special inspections and non-destructive testing of structural steel elements shall be in conformance to CBC section 1705A.2.1.

E. High Strength Bolts:

1. Special inspector will verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the Contract Documents, per DSA IR 17-9.
2. Testing Laboratory will test high-strength bolts, nuts and washers in conformance with ASTM F606, ASTM A370 and DSA IR 17-8.
3. Special inspector will inspect bearing-type ("snug tight") bolt connections in conformance with AISC 360, section M2.5 and DSA IR 17-9.
4. Special inspector will inspect slip-critical bolt connections in conformance with AISC 360, section M2.5.

F. Welding:

1. Verification of Materials, Equipment and Welders:
 - a. Special inspector will verify weld filler material identification markings per AWS designation listed on the Contract Documents and the WPS.
 - b. Special inspector will verify material manufacturer's certificate of compliance.
 - c. Special inspector will verify WPS, welder qualifications and equipment in conformance to DSA IR 17-3.
2. Shop Welding: Special inspector will inspect the following, per CBC 1705A.2.1, AISC 360 (and AISC 341, as applicable) and DSA IR 17-3:
 - a. Groove, multi-pass fillet welds larger than 5/16", plug and slot welds.
 - b. Single-pass fillet welds equal or less than 5/16".
 - c. Inspect welding of stairs and railing systems.
 - d. Verification of reinforcing steel weldability.
 - e. Welding of reinforcing steel, per AWS D1.4.
3. Field Welding: Special inspector will inspect the following, per CBC 1705A.2.1, AISC 360 (and AISC 341, as applicable) and DSA IR 17-3:
 - a. Groove, multi-pass fillet welds larger than 5/16", plug and slot welds.
 - b. Single-pass fillet welds equal or less than 5/16".
 - c. End welded studs (ASTM A108) installation, including bend test.
 - d. Floor and roof deck welds.
 - e. Welding of structural cold-formed steel.
 - f. Welding of stairs and railing systems.

- g. Verification of reinforcing steel weldability.
 - h. Inspect welding of reinforcing steel.
 - 4. Non-Destructive Testing: Testing Laboratory will test perform ultrasonic and magnetic particle testing in conformance to AISC 360 section N5.5, AISC 341 appendix Q5.2, AWS D1.1, AWS D1.8, ASTM E543, ASTM E1444, ASTM E164 and DSA IR 17-2.
- G. Steel Joists and Trusses: Continuous inspection, special inspector will verify size, type and grade for all chord and web members as well as connectors and weld filler material, verify joist profile, dimensions and chamber (if applicable); verify all weld locations, lengths and profiles; mark or tag each joist, in conformance with CBC section 2207.1 and DSA IR 22-3.
- H. Anchor Bolts, Anchor Rods and Other Steel:
 - 1. Testing Laboratory will sample and test not readily identifiable anchor bolts and anchor rods in accordance with DSA IR 17-11.
 - 2. Testing Laboratory will sample and test not readily identifiable threaded rod not used for foundation anchorage per procedures noted in DSA IR 17-11.

PART 2 - PRODUCTS (Not used).

PART 3 - EXECUTION (Not used).

END OF SECTION

DOCUMENT 01 50 00
TEMPORARY FACILITIES AND CONTROLS

1. RELATED DOCUMENTS AND PROVISIONS

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions;
- B. Special Conditions;
- C. Summary of Work;
- D. Schedule;
- E. Testing and Inspections;
- F. Field Office Trailer;
- G. Site Standards

2. TEMPORARY UTILITIES:

- A. Contractor shall fully restore in kind, any existing improvement or underground utility located at or in the vicinity of the Work, which becomes damaged by the Work of the project. Prior to the commencement of Work at any site, Contractor shall meet with the Project Inspector, Technology Department, and District Representative at each site to identify all know underground and aboveground improvements, and to video tape the existing conditions of all improvements surrounding (and within) the limits of the Project. Submit a copy of the video tape to the District within 1 week of the date of its creation.
- B. Electric Power and Lighting
 - 1. Unless the Contract Documents expressly provided that the District will provide electrical power service to the Contractor for performing the Work, the Contractor shall secure electrical power service necessary to complete the Work without adjustment of the Contract Price or the Contract Time. Contractor shall be responsible for providing temporary facilities required to deliver that power service from its existing location in the building(s) or on the Site to point of intended use. Contractor shall at the Contractor's expense remove, extend and/or relocate temporary electrical power distribution throughout the Site as rapidly as required in order to maintain progress of Work in accordance with the Construction Schedule.
 - 2. Contractor shall verify characteristics of power available in building(s) or on the Site. Contractor shall take all actions required to make modifications where power of higher voltage or different phases of current are required. Contractor shall be fully responsible for providing that service and shall pay all costs required therefor.
 - 3. Contractor shall furnish, wire for, install, and maintain temporary electrical lights wherever it is necessary to provide illumination for the proper performance and/or observation of the Work: a minimum of 20 foot-candles for rough work and 50 footcandles for finish work. Contractor shall provide adequate task lighting and safe exit(s) inside building(s), as per CAL OSHA guidelines, for safety and security. If portable lights are used after dark, all light must be located so as not to direct light into neighboring property.
 - 4. Contractor shall be responsible for maintaining existing lighting levels in the project vicinity should temporary outages or service interruptions occur.
 - 5. Contractor shall ensure welding equipment is by electrical generators.

6. Contractor shall provide, operate and maintain such temporary exterior lighting at the Site as necessary for safety and security when the Site is unoccupied at non-daylight times.

C. Heat and Ventilation

1. Contractor shall provide temporary heat to maintain environmental conditions to facilitate progress of the Work, to meet specified minimum conditions for the installation and curing of materials, and to protect materials and finishes from damage due to improper temperature and humidity conditions. Portable heaters shall be standard units complete with controls.
2. Contractor shall provide forced ventilation and dehumidification, as required, of enclosed areas for proper installation and curing of materials, to disperse humidity, and to prevent hazardous accumulations of dust, fumes, vapors, and gases.
3. Contractor shall pay the costs of installation, maintenance, operation, and removal of temporary heat and ventilation, including costs for fuel consumed, required for the performance of the Work.

D. Water

1. Unless the Contract Documents expressly provided that the District will provide water service to the Contractor for performing the Work, the Contractor shall secure water service necessary to complete the Work without adjustment of the Contract Price or the Contract Time To the extent water is then available in the building(s) or on the Site for use by the Contractor, Contractor may use the District's existing utilities by making prearranged payments to the District for the utilities used by Contractor and all Subcontractors. Contractor shall be responsible for providing temporary facilities required to deliver such utility service from its existing location in the building(s) or on the Site to point of intended use.
2. Contractor shall use backflow preventers on water lines at point of connection to District's water supply. Backflow preventers shall comply with requirements of Uniform Plumbing Code.
3. Contractor shall make potable water available for human consumption.

E. Sanitary Facilities

1. Contractor shall provide sanitary temporary facilities in no fewer numbers than required by law and such additional facilities as may be directed by the District for the use of all workers. The facilities shall be maintained in a sanitary condition at all times and shall be left at the Site until removal is authorized or directed by the District.
2. The Contractor, Subcontractors and there personnel are not permitted to use existing toilet facilities at or about the Site.

F. Telephone and Internet Service

1. Contractor shall arrange for the Contractor's field office to have high-speed internet access.
2. Contractor Superintendent and Project Manager shall have a cell phone and email address, and be readily accessible by cell phone or email.
3. Contractor shall pay the costs for telephone and internet service installation, maintenance, service, and removal.

G. Fire Protection:

1. Contractor shall provide and maintain fire extinguishers and other equipment for fire protection. Such equipment shall be designated for use for fire protection only and shall comply with all requirements of the California Fire, State Fire Marshall and/or its designee.

2. Where on-site welding and burning of steel is unavoidable, Contractor shall provide protection for adjacent surfaces.

H. Trash Removal:

1. Contractor shall provide trash removal on a timely basis.

I. Temporary Facilities:

1. Contractor shall provide temporary offices, utilities, storage units, fencing, barricades, chutes, elevators, hoists, scaffolds, railings and other facilities or services as required. Contractor shall be responsible for providing, installation, maintenance, supplying and all use charges for the items provided under this section and Specifications Document 01 52 13 (Field Offices).

3. CONSTRUCTION AIDS:

A. Plant and Equipment:

1. Contractor shall furnish, operate, and maintain a complete plant for fabricating, handling, conveying, installing, and erecting materials and equipment; and for conveyances for transporting workers. Include elevators, hoists, debris chutes, scaffolding and other equipment, tools, and appliances necessary for performance of the Work.
2. Contractor shall maintain plant and equipment in safe and efficient operating condition. Damages due to defective plant and equipment, and uses made thereof, shall be repaired by Contractor at no expense to the District..

- B. Contractor shall use none of the District's tools and equipment for the performance of the Work.

1. BARRIERS AND ENCLOSURES:

- A. Contractor shall obtain the District's written permission for locations and types of temporary barriers and enclosures, including fire-rated materials proposed for use, prior to their installation.
- B. Contractor shall provide and maintain temporary enclosures to prevent public entry and to protect persons using other buildings and portions of the Site and adjacent areas, the public, and workers. Contractor shall also protect the Work and existing facilities from the elements, and adjacent construction and improvements, persons, and trees and plants from damage and injury from demolition and construction operations.
- C. Protection of Areas and Improvements Surrounding the Project. Contractor shall protect any portions of the existing rooms, buildings, walkways, sidewalks, walls, landscaping, and irrigation systems, irrigation control wiring systems, data systems, electrical power systems, existing underground utilities, any other utilities, and improvements located near the Work, which may be subject to damage associated with the Work. Contractor shall fully restore in kind and to the condition existing before damage, any existing improvement or underground utility located at or near the Work, which becomes damaged by the Work of the project. Prior to the commencement of Work at any site, Contractor shall meet with the Project Inspector, and District Representative at the Site to identify all know underground and above-ground improvements, and to record the existing conditions of all improvements surrounding (and within) the limits of the Project. A copy of the video file shall be uploaded to the District approved web-based software or provided to the District within one (1) week of the date of its creation.
- D. Contractor shall provide site access to existing facilities for persons using other buildings and portions of the Site, the public, and for deliveries and other services and activities.
- E. Unless otherwise specified in the Contract Documents, temporary fencing shall be six (6) feet high chain link fence attached to post and frames in a secure manner. Posts to be core drilled. At the owner's discretion, posts may be secured with high-visibility ballast weights. Fencing is to have privacy fabric and sound blankets to prevent noise from construction activities from interfering, impeding or adversely

affecting areas adjacent to the Site and the campus of the Site. Barbwire and or razor wire is not allowed. This project does not require sound blankets.

- F. Contractor shall provide sound blankets around ALL perimeter fencing. Sound blankets are to be:
 - 1. Product: Gray IQ-21
 - 2. Company: Insul-Quilts
 - 3. Contractor to provide bracing and supports for wind.
- G. Contractor shall provide, at the discretion of the District, high-visibility ballast weights for all temp-fencing panels. Ballast weights are to be:
 - 1. Product: BigFoot #0203
 - 2. Color: Black & Yellow
 - 3. Company: Oxford Plastics
 - 4. Contractor to provide ballast weights for all fencing panels not cored into ground.
- H. Tree and Plant Protection:
 - 1. Contractor shall preserve and protect existing trees and plants at on, about or adjacent to the Site that are not designated for removal or required to be removed.
 - 2. Contractor shall provide barriers to a minimum height of 4'-0' around drip line of each tree and plant, around each group of trees and plants, as applicable, in the proximity of demolition and construction operations.
 - 3. Contractor shall not park trucks, store materials, perform Work or cross over landscaped areas. Contractor shall not dispose of paint thinners, water from cleaning, plastering or concrete operations, or other deleterious materials in landscaped areas, storm drain systems, or sewers. Plant materials damaged as a result of the performance of the Work shall, at the option of the District and at Contractor's expense, either be replaced with new plant materials equal in size to those damaged or by deductive Change Order in an amount representing the value of the damaged materials as determined by the District.
 - 4. Contractor shall remove soil that has been contaminated during the performance of the Work by oil, solvents, and other materials, which could be harmful to trees and plants, and replace with good soil, at Contractor's expense. At the Contractor's cost, contaminated soil shall be transported and disposed in such manner established by law based on the nature of the contaminants.
 - 5. Excavation around Trees:
 - 1. Excavation within drip lines of trees shall be done only where absolutely necessary and with written permission from the District.
 - 2. Where trenching for utilities is required within drip lines, tunneling under and around roots shall be by hand digging and shall be approved by the District. Main lateral roots and taproots shall not be cut. All roots 2 inches in diameter and larger shall be tunneled under and heavily wrapped with wet burlap to prevent scarring or excessive drying. Smaller roots that interfere with installation of new work may be cut with prior approval by the District. Roots must first be cut with a Vermeer, or equivalent, root cutter prior to any trenching.
 - 3. Where excavation for new construction is required within drip line of trees, hand excavation shall be employed to minimize damage to root system. Roots shall be relocated in backfill areas wherever possible. If encountered immediately adjacent to location of new construction, roots shall be cut approximately 6 inches back from new construction.
 - 4. Approved excavations shall be carefully backfilled with the excavated materials approved for backfilling. Backfill shall conform to adjacent grades without dips, sunken areas, humps, or other surface irregularities. Do not use mechanical equipment to compact backfill. Tamp carefully using hand tools, refilling and tamping until Final Acceptance as necessary to offset settlement.
 - 5. Exposed roots shall not be allowed to dry out before permanent backfill is placed. Temporary earth cover shall be provided, or roots shall be wrapped with four layers of wet,

untreated burlap and temporarily supported and protected from damage until permanently relocated and covered with backfill.

6. Accidentally broken roots should be sawed cleanly 3 inches behind ragged end.

5. SECURITY:

The Contractor shall be responsible for security of materials, tools, equipment, supplies, and completed and partially completed Work at or about the Site.

6. TEMPORARY CONTROLS:

A. Noise Control

1. Notice of proposed noisy operations, including without limitation, operation of pneumatic demolition tools, concrete saws, and other equipment, shall be submitted to the District a minimum of forty-eight (48) hours in advance of their performance.

B. Noise and Vibration

1. Equipment and impact tools shall have intake and exhaust mufflers.
2. Contractor shall cooperate with District to minimize and/or cease the use of noisy and vibratory equipment if that equipment becomes objectionable by its longevity. The District may reasonably restrict, limit or condition use of equipment or operations with noise levels, which interfere with academic and other student activities on the campus that the Site is located.

C. Dust and Dirt

1. Contractor shall conduct demolition and construction operations to minimize the generation of dust and dirt, and prevent dust and dirt from interfering with the progress of the Work and from accumulating in the Work and adjacent areas including, without limitation, occupied facilities.
2. Contractor shall periodically water exterior demolition and construction areas to minimize the generation of dust and dirt.
3. Contractor shall ensure that all hauling equipment and trucks carrying loads of soil and debris shall have their loads sprayed with water or covered with tarpaulins, and as otherwise required by local and state ordinance.
4. Contractor shall prevent dust and dirt from accumulating on walks, roadways, parking areas, and planting, and from washing into sewer and storm drain lines.

D. Water

1. Contractor shall not permit surface and subsurface water, and other liquids, to accumulate in or about the vicinity of the Premises. Should accumulation develop, Contractor shall control the water or other liquid, and suitably dispose of it by means of temporary pumps, piping, drainage lines, troughs, ditches, dams, or other methods.
2. Contractor shall provide adequate task lighting and safe exit(s) inside building(s), as per CAL OSHA guidelines, for safety and security.

E. Gas

1. Contractor shall furnish, install, maintain and pay for all necessary permits, inspections, metering devices and use charges, move ins/outs, connections and fees, service, extension and distribution, deliveries/pickups, rentals, storage, transportation, taxes, labor, insurance, bonds, materials, equipment and all other required miscellaneous items for the temporary gas systems and upon Substantial Completion of Work, removal of all such temporary gas systems and appurtenances.
2. Contractor shall at the Contractor's expense and without limitation remove, extend and/or relocate temporary gas systems as rapidly as required in order to provide for progress of the Work.

F. Telephone and Data

1. Contractor shall furnish, install, maintain and pay for all necessary permits, inspections, move ins/outs, extensions and distribution, devices, connections and fees, use charges, rentals, deliveries/pickups, storage, transportation, taxes, labor, insurance, bonds, material, equipment and

all other required miscellaneous items for temporary phone, data service and distribution to Project site temporary offices as required by this section. The Contractor shall furnish the Contractor's Project Manager and Superintendent for the Work with mobile cellular telephones for immediate voice or text communications.

2. Contractor shall at the Contractor's expense and without limitation remove, extend and/or relocate temporary phone and data service and distribution as rapidly as required in order to provide for progress of the Work.
3. Upon Substantial Completion of the Work, Contractor shall remove all such temporary phone service, distribution, devices and appurtenances.

G. Storage Units:

1. Contractor shall provide secure and waterproof storage units for the temporary storage of furniture, equipment and other items requiring protection.
2. Contractor shall be responsible for delivery charges and will install the storage unit in an appropriate area.
3. Contractor shall remove the storage unit from the Project site when the storage unit is no longer required for the Work or upon substantial Completion of the Work.
4. Contractor shall at the Contractor's expense and without limitation remove and/or relocate storage units as rapidly as required in order to provide for progress of the Work.

H. Pollution

1. No burning of refuse, debris, or other materials shall be permitted on or near the Premises.
2. Contractor shall comply with applicable regulatory requirements and anti-pollution ordinances during the conduct of the Work including, without limitation, demolition, construction, and disposal operations.

7. JOB SIGN(S): Not Applicable

A. General:

1. Contractor shall provide and maintain a Project identification sign with the design, text, and colors designated by the District and/or the Architect; locate sign as approved by the District.
2. Signs other than the specified Project sign and or signs required by law, for safety, or for egress, shall not be permitted, unless otherwise approved in advance by the District.

B. Materials:

1. Structure and Framing: Structurally sound, new or used wood or metal; wood shall be nominal 3/4-inch exterior grade plywood.
2. Sign Surface: Minimum 3/4-inch exterior grade plywood.
3. Rough Hardware: Galvanized.
4. Paint: Exterior quality, of type and colors selected by the District and/or the Architect.

C. Fabrication:

1. Contractor shall fabricate to provide smooth, even surface for painting.
2. Size: 4'-0' x 8'-0', unless otherwise indicated.
3. Contractor shall paint exposed surfaces of supports, framing, and surface material with exterior grade paint: one coat of primer and one coat of finish paint.
4. Text and Graphics: As indicated.

PUBLICITY RELEASES:

Contractor shall not release any information, story, photograph, plan, or drawing relating information about the Project to anyone, including press and other public communications medium, including, without limitation, on website(s).

END OF DOCUMENT 01 50 00

DOCUMENT 01 50 13
CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL

1. RELATED DOCUMENTS AND PROVISIONS:

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions;
- B. Special Conditions;
- C. CalGreen Requirements;
- D. Storm Water Pollution Control;

2. REFERENCES:

- A. California Integrated Waste management Act of 1989 (AB 939)
- B. California Code of Regulations Title 14, Section 18700
- C. California Green Building Standards Code, 'CalGreen', Title 24, Part 11.

3. SECTION INCLUDES:

- A. Administrative and procedural requirements for the following:
- B. Salvaging non-hazardous construction waste.

- C. Recycling non-hazardous construction waste.
- D. Disposing of non-hazardous construction waste.

4. DEFINITIONS:

- A. Construction Waste: Building and site improvement materials and other solid waste resulting from construction, remodeling, renovation, or repair operations. Construction waste includes packaging.
- B. Demolition Waste: Building and site improvement materials resulting from demolition or selective demolition operations.
- C. Disposal: Removal off-site of demolition and construction waste and subsequent sale, recycling, reuse, or deposit in landfill or incinerator acceptable to authorities having jurisdiction.
- D. Recycle: Recovery of demolition or construction waste for subsequent processing in preparation for reuse.
- E. Salvage: Recovery of demolition or construction waste and subsequent sale or reuse in another facility.
- F. Salvage and Reuse: Recovery of demolition or construction waste and subsequent incorporation into the Work.
- G. Chemical Waste: Includes petroleum products, bituminous materials, salts, acids, alkalis, herbicides, pesticides, organic chemicals and inorganic wastes.
- H. Sanitary Wastes:
 - 1. Garbage: Refuse and scraps resulting from preparation, cooking, distribution, or consumption of food.
 - 2. Sewage: Domestic sanitary sewage.

5. PERFORMANCE REQUIREMENTS:

General: Develop waste management plan that results in end-of Project rates for salvage/recycling of fifty percent (65%) by weight (or by volume, but not a combination) of total waste generated by the Work.

6. SUBMITTALS:

- A. Waste Management Plan: Submit waste management plan within 5 days of date established for commencement of the Work.
- B. Waste Reduction Progress Reports: Concurrent with each Application for Payment, submit copies of report. Include the following information:
 - 1. Material category.
 - 2. Generation point of waste.
 - 3. Total quantity of waste in tons or cubic yards.
 - 4. Quantity of waste salvaged, both estimated and actual in tons or cubic yards.
 - 5. Quantity of waste recycled, both estimated and actual in tons or cubic yards.
 - 6. Total quantity of waste recovered (salvaged plus recycled) in tons or cubic yards.
 - 7. Total quantity of waste recovered (salvaged plus recycled) as a percentage of total waste.
- C. Submit permit or license and location of recycling or waste disposal sites. Waste Reduction Calculations: Before request for final payment, submit copies of calculated end-of-Project rates for salvage, recycling, and disposal as a percentage of total waste generated by the Work.
- D. Records of Donations: Indicate receipt and acceptance of salvageable waste donated to individuals and organizations. Indicate whether organization is tax exempt.
- E. Records of Sales: Indicate receipt and acceptance of salvageable waste sold to individuals and organizations. Indicate whether organization is tax exempt.
- F. Recycling and Processing Facility Records: Indicate receipt and acceptance of recyclable waste by recycling and processing facilities licensed to accept them. Include manifests, weight tickets, receipts, and invoices.
- G. Landfill and Incinerator Disposal Records: Indicate receipt and acceptance of waste by landfills and incinerator facilities licensed to accept them. Include manifests, weight tickets, receipts, and invoices.

- H. CHPS Submittal: CHPS letter template for Credit ME2.0 and ME2.1, signed by Contractor, tabulating total waste material, quantities diverted and means by which it is diverted, and statement that requirements for the credit have been met.
- I. Qualification Data: For Waste Management Coordinator.
- J. Statement of Refrigerant Recovery: Signed by refrigerant recovery technician responsible for recovering refrigerant, stating that all refrigerant that was present was recovered and that recovery was performed according to EPA regulations. Include name and address of technician and date refrigerant was recovered.
- K. Submittal procedures and quantities are specified in Document 01 33 00.

7. QUALITY ASSURANCE:

- A. Waste Management Coordinator Qualifications: LEED Accredited Professional by U.S. Green Building Council.
- B. Regulatory Requirements: Comply with hauling and disposal regulations of authorities having jurisdiction.
- C. Waste Management Conference: Conduct conference at Project site to comply with requirements. Review methods and procedures related to waste management including, but not limited to, the following:
 - 1. Review and discuss waste management plan including responsibilities of Waste Management Coordinator.
 - 2. Review requirements for documenting quantities of each type of waste and its disposition.
 - 3. Review and finalize procedures for materials separation and verify availability of containers and bins needed to avoid delays.
 - 4. Review procedures for periodic waste collection and transportation to recycling and disposal facilities.
 - 5. Review waste management requirements for each trade.

8. WASTE MANAGEMENT PLAN:

- A. General: Develop plan consisting of waste identification, waste reduction work plan, and cost/revenue analysis. Indicate quantities by weight or volume, but use same units of measure throughout waste management plan.
- B. Waste Identification: Indicate anticipated types and quantities of site-clearing and construction waste generated by the Work. Include estimated quantities and assumptions for estimates.
- C. Waste Reduction Work Plan: List each type of waste and whether it will be salvaged, recycled, or disposed of in landfill or incinerator. Include points of waste generation, total quantity of each type of waste, quantity for each means of recovery, and handling and transportation procedures.
 - 1. Salvaged Materials for Reuse: For materials that will be salvaged and reused in this Project, describe methods for preparing salvaged materials before incorporation into the Work.
 - 2. Salvaged Materials for Sale: For materials that will be sold to individuals and organizations, include list of their names, addresses, and telephone numbers.
 - 3. Salvaged Materials for Donation: For materials that will be donated to individuals and organizations, include list of their names, addresses, and telephone numbers.
 - 4. Recycled Materials: Include list of local receivers and processors and type of recycled materials each will accept. Include names, addresses, and telephone numbers.
 - 5. Disposed Materials: Indicate how and where materials will be disposed of. Include name, address, and telephone number of each landfill and incinerator facility.
 - 6. Handling and Transportation Procedures: Include method that will be used for separating recyclable waste including sizes of containers, container labeling, and designated location on Project site where materials separation will be located.

9. PLAN IMPLEMENTATION:

- A. General: Implement approved waste management plan. Provide handling, containers, storage, signage, transportation, and other items as required to implement waste management plan during the entire duration of the Contract.
- B. Comply with Document 01 50 00 for operation, termination, and removal requirements. Equipment Salvage: Any existing equipment that can be salvage for resale, reuse, or salvaged for parts shall be removed in a manner preserving the equipment integrity. Removed equipment shall be palletized all the operational parts included, wrap in plastic shrink-wrap, and return as directed by the District. The District may also require any equipment be sent to a designated reseller. The following equipment maybe salvaged including but not limited to the following:
 - 1. Light fixtures (without fluorescent Light bulbs)
 - 2. Electrical equipment (deemed PCB free)
 - 3. Electronic Equipment / IDF cabinets or racks
 - 4. Ventilation hoods
 - 5. Refrigerators or Freezers (including Walk-ins)
 - 6. Mechanical Units
 - 7. Mechanical Compressors
 - 8. Plumbing fixtures
 - 9. Toilet room accessories
 - 10. Windows, Doors and Frames
 - 11. Casework
 - 12. White Boards and framed Pin Boards
 - 13. Pencil sharpeners / Projections Screens
 - 14. Masonry or bricks
 - 15. Others as appropriate.
- C. Waste Management Coordinator: Engage a waste management coordinator to be responsible for implementing, monitoring, and reporting status of waste management work plan. Coordinator shall be present at Project site full time for duration of Project.
- D. Training: Train workers, subcontractors, and suppliers on proper waste management procedures, as appropriate for the Work occurring at Project site.
 - 1. Distribute waste management plan to everyone concerned within 3 days of submittal return.
 - 2. Distribute waste management plan to entities when they first begin work on site. Review plan procedures and locations established for salvage, recycling, and disposal.
- E. Site Access and Temporary Controls: Conduct waste management operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
 - 1. Designate and label specific areas of Project site necessary for separating materials that are to be salvaged, recycled, reused, donated, and sold.
 - 2. Comply with Document 01 50 00 for controlling dust and dirt, environmental protection, and noise control.

10. RECYCLING CONSTRUCTION WASTE:

- A. General: Recycle paper and beverage containers used by on-site workers.
- B. Recycling Incentives: Revenues, savings, rebates, tax credits, and other incentives received for recycling waste materials shall accrue to the Contractor.
- C. Procedures: Separate recyclable waste from other waste materials, trash, and debris. Separate recyclable waste by type at Project site to the maximum extent practical.
 - 1. Provide appropriately marked containers or bins for controlling recyclable waste until they are removed from Project Site. Include list of acceptable and unacceptable materials at each container and bin.
 - 2. Inspect containers and bins for contamination and remove contaminated materials if found.

3. Stockpile processed materials on site without intermixing with other materials. Place, grade, and shape stockpiles to drain surface water. Cover to prevent windblown dust.
 4. Stockpile materials away from construction area. Do not store within drip line of remaining trees.
 5. Store components off the ground and protect from the weather.
 6. Remove recyclable waste off District property and transport to recycling receiver or processor.
- D. Packaging:
1. Cardboard and Boxes: Break down packaging into flat sheets. Bundle and store in a dry location.
 2. Polystyrene Packaging: Separate and bag material.
 3. Pallets: As much as possible, require deliveries using pallets to remove pallets from Project Site. For pallets that remain on Site, break down pallets into component wood pieces and comply with requirements for recycling wood.
 4. Crates: Break down crates into component wood pieces and comply with requirements for recycling wood.
- E. Site-Clearing Wastes: Chip brush, branches, and trees on site.
- F. Wood Materials:
1. Clean Cut-Offs of Lumber: Grind or chip into small pieces.
 2. Clean Sawdust: Bag sawdust that does not contain painted or treated wood.
- G. Gypsum Board: Stack large clean pieces on wood pallets and store in a dry location.
1. Clean Gypsum Board: Grind scraps of clean gypsum board using small mobile chipper or hammer mill. Screen out paper after grinding.

11. DISPOSAL OF WASTE:

- A. General: Except for items or materials to be salvaged, recycled, or otherwise reused, remove waste materials from Project Site and legally dispose of them in a landfill or incinerator acceptable to authorities having jurisdiction.
 1. Except as otherwise specified, do not allow waste materials that are to be disposed of accumulate on site.
 2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
- B. Burning: Do not burn waste materials.
- C. Designate an on-site person to be responsible for instructing workers and overseeing the sorting and recording of waste/recyclable materials.
- D. Include waste management and recycling in worker orientation and as an agenda item for regular Project meetings.
- E. Recyclable and waste bin areas shall be limited to areas approved on the Waste Management Plan. Keep recycling and waste bins neat and clearly marked to avoid contamination of materials.
- F. Disposal: Transport waste materials off District property and legally dispose of them.

END OF SECTION 01 50 13

DOCUMENT 01 55 00
VEHICULAR ACCESS AND PARKING

1. SECTION INCLUDES

- A. Signs, Signals and devices.
- B. Construction Parking Control.
- C. Flagmen.
- D. Flares and Lights.
- E. Haul Routes.
- F. Traffic Signs and Signals.
- G. Removal.

2. RULES OF OPERATION

In addition to any other rules of operations required of the Contractor by the District, Contractor shall comply with the rules of operations set forth in this Paragraph.

- A. Vehicles on School Grounds. This Paragraph applies to the use of vehicles on all school grounds operated by the District.
 - 1. The District may in its sole discretion bar from school grounds any person found in violation of the requirements of this Paragraph.
 - 2. No vehicle shall be driven more than three (3) miles per hour.
 - 3. Drivers shall yield the right of way to pedestrians at all times.
 - 4. If the driver of a vehicle is alone, the driver must engage an additional person to guide the vehicle to a location that will best protect the children. That person must walk beside or in front of the vehicle until it reaches the desired location.
 - 5. When directed to stop by any school or District representative, the vehicle will stop immediately and not proceed further without authorization to do so.
 - 6. All traffic routes must be pre-authorized by a school or District representative, to prevent damage to school property such as gates, irrigation sprinklers, signs, landscaping, and turf.

3. SIGNS, SIGNALS AND DEVICES

- A. Post-Mounted and Wall-Mounted Traffic Control and Informational Signs as required to maintain adequate standards of safety and control of vehicular movement on and off construction site.
- B. Traffic Control Signals: As approved by local jurisdictions.

- C. Traffic Cones and Drums, Flares and Lights: As approved by local jurisdictions.
- D. Flagmen Equipment: As approved by local jurisdictions.

4. CONSTRUCTION PARKING CONTROL

- A. Control vehicular parking to prevent interference with public traffic and parking, access by emergency vehicles and District's operations.
- B. Monitor parking of construction personnel's vehicles. Maintain vehicular access to and through parking areas.
- C. Prevent parking on or adjacent to access roads or in non-designated areas.

5. FLAGMEN

- A. Provide trained and equipped flagmen to regulate traffic when construction operations or traffic encroaches on public traffic lanes.

6. FLARES AND LIGHTS

- A. Use flares and lights during hours of low visibility to delineate traffic lanes and to guide traffic.

7. HAUL ROUTES

- A. Consult with authority having jurisdiction in establishing public thoroughfares to be used for haul routes and site access.
- B. Confine construction traffic to designated haul routes.
- C. Provide traffic control at critical areas of haul routes to regulate traffic, to minimize interference with public traffic.
- D. Consult with District to establish construction traffic haul route [on existing campus].

8. TRAFFIC SIGNS AND SIGNALS

- A. At approaches to site and on site, install at crossroads, detours, parking areas and elsewhere as needed to direct construction and affected public traffic.
- B. Install and operate traffic control devices as are necessary to direct and maintain orderly flow of traffic in areas under Contractor's control and areas affected by Contractor's operations.
- C. Relocate as Work progresses to maintain effective traffic control.

9. REMOVAL

- A. Remove equipment and devices when no longer required.
- B. Repair damage caused by installation.
- C. Remove post settings to full depth.

END OF DOCUMENT 01 55 00

DOCUMENT 01 66 00
PRODUCT DELIVERY, STORAGE AND HANDLING

1. RELATED DOCUMENTS AND PROVISIONS

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions, including, without limitation, Site Access, Conditions and Requirements;
- B. Special Conditions.

2. PRODUCTS

Products are as defined in the General Conditions.

- A. Contractor shall not use and/or reuse materials and/or equipment removed from existing Premises, except as specifically permitted by the Contract Documents.
- B. Contractor shall provide interchangeable components of the same manufacturer, for similar components.

3. TRANSPORTATION AND HANDLING

- A. Contractor shall transport and handle Products in accordance with manufacturer's instructions.
- B. Contractor shall promptly inspect shipments to confirm that Products comply with requirements, quantities are correct, and products are undamaged.
- C. Contractor shall provide equipment and personnel to handle Products by methods to prevent soiling, disfigurement, or damage.

4. STORAGE AND PROTECTION

- A. Contractor shall store and protect Products in accordance with manufacturer's instructions, with seals and labels intact and legible. Contractor shall store sensitive products in weather-tight, climate-controlled enclosures.
- B. For exterior storage of fabricated Products, Contractor shall place on sloped supports, above ground.
- C. Contractor shall provide off-site storage and protection when Site does not permit on-site storage or protection.
 - 1. Storage shall be a secure and bonded warehouse.

- D. Payment will not be made by the District for materials stored off-site, until the materials are incorporated into the Work. Contractor shall cover products subject to deterioration with impervious sheet covering and provide ventilation to avoid condensation.
- E. Contractor shall store loose granular materials on solid flat surfaces in a well-drained area and prevent mixing with foreign matter.
- F. Contractor shall provide equipment and personnel to store Products by methods to prevent soiling, disfigurement, or damage.
- G. Contractor shall arrange storage of Products to permit access for inspection and periodically inspect to assure Products are undamaged and are maintained under specified conditions.

END OF DOCUMENT 01 66 00

DOCUMENT 01 71 23
FIELD ENGINEERING

1. RELATED DOCUMENTS AND PROVISIONS:

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions, including, without limitation, Site Investigation, and Soils Investigation Report;
- B. Special Conditions;
- C. Site-Visit Certification.

2. REQUIREMENTS INCLUDED:

Contractor shall provide and pay for field engineering services by a California-registered engineer, required for the project, including, without limitations:

- A. Survey work required in execution of the Project.
- B. Civil or other professional engineering services specified, or required to execute Contractor's construction methods.

3. QUALIFICATIONS OF SURVEYOR OR ENGINEERS:

Contractor shall only use a qualified licensed engineer or registered land surveyor, to whom District makes no objection.

4. SURVEY REFERENCE POINTS:

- A. Existing basic horizontal and vertical control points for the Project are those designated on the Drawings.
- B. Contractor shall locate and protect control points prior to starting Site Work and preserve all permanent reference points during construction. In addition Contractor shall:
 - 1. Make no changes or relocation without prior written notice to District and Architect.
 - 2. Report to District, Construction Manager, Project Inspector and Architect when any reference point is lost or destroyed, or requires relocation because of necessary changes in grades or locations.
 - 3. Require surveyor to replace Project control points based on original survey control that may be lost or destroyed.

5. RECORDS:

Contractor shall maintain a complete, accurate log of all control and survey work as it progresses.

6. SUBMITTALS:

- A. Contractor shall submit name and address of Surveyor and Professional Engineer to District, Construction Manager and Architect prior to its/their work on the Project. If the District, Construction and Architect do not accept the Contractor's proposed Surveyor and/or Professional Engineer, the Contractor shall re-submit proposed Professional Engineer and/or Surveyor for acceptance. Notwithstanding acceptance of the Contractor's Professional Engineer and/or Surveyor, the Contractor is responsible for the services of the Professional Engineer and Surveyor including without limitation, their work product and instruments of service.
- B. On request of District, Construction Manager, Project Inspector or Architect, Contractor shall submit documentation to verify accuracy of field engineering work, at no additional cost to the District.
- C. Contractor shall submit a certificate signed by registered engineer or surveyor certifying that elevations and locations of improvements are in conformance or nonconformance with Contract Documents.

7. COMPLIANCE WITH LAWS:

Contractor is responsible for meeting all applicable codes, OSHA, safety and shoring requirements.

8. NONCONFORMING WORK:

Contractor is responsible for any re-surveying required by correction of nonconforming work.

END OF DOCUMENT 01 71 23

DOCUMENT 01 73 29
CUTTING AND PATCHING

1. RELATED DOCUMENTS AND PROVISIONS:

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions, including, without limitation, Inspector, Inspections, and Tests, Integration of Work, Nonconforming Work, and Correction of Work, and Uncovering Work;
- B. Special Conditions;
- C. Hazardous Materials Procedures and Requirements;
- D. Hazardous Materials Certification;
- E. Lead-Based Paint Certification;
- F. Imported Fill and Soils Materials Certification.

2. CUTTING AND PATCHING:

- A. Contractor shall be responsible for all cutting, fitting, and patching, including associated excavation and backfill, required to complete the Work or to:
 - 1. Make several parts fit together properly.
 - 2. Uncover portions of Work to provide for installation of ill-timed Work.
 - 3. Remove and replace defective Work.
 - 4. Remove and replace Work not conforming to requirements of Contract Documents.
 - 5. Remove Samples of installed Work as specified for testing.
 - 6. Provide routine penetrations of non-structural surfaces for installation of piping and electrical conduit.
 - 7. Attaching new materials to existing remodeling areas – including painting (or other finishes) to match existing conditions.
- B. In addition to Contract requirements, upon written instructions from the District, Contractor shall uncover Work to provide for observations of covered Work in accordance with the Contract Documents; remove samples of installed materials for testing as directed by District; and remove Work to provide for alteration of existing Work.
- C. Contractor shall not cut or alter Work, or any part of it, in such a way that endangers or compromises the integrity of the Work, the Project, or work of others.

3. SUBMITTALS:

- A. Prior to any cutting or alterations that may affect the structural safety of Project, or work of others, and well in advance of executing such cutting or alterations, Contractor shall submit written notice to District pursuant to the applicable notice provisions of the Contract Documents, requesting consent to proceed with the cutting or alteration, including the following:
 - 1. The work of the District or other trades

2. Structural value or integrity of any element of Project.
 3. Integrity or effectiveness of weather-exposed or weather-resistant elements or systems.
 4. Efficiency, operational life, maintenance or safety of operational elements.
 5. Visual qualities of sight-exposed elements.
- B. Contractor's Request shall also include:
1. Identification of Project.
 2. Description of affected Work.
 3. Necessity for cutting, alteration, or excavations.
 4. Effects of Work on District, other trades, or structural or weatherproof integrity of Project.
 5. Description of proposed Work:
 - a. Scope of cutting, patching, alteration, or excavation.
 - b. Trades that will execute Work.
 - c. Products proposed to be used.
 - d. Extent of refinishing to be done.
 6. Alternates to cutting and patching.
 7. Cost proposal, when applicable.
 8. The scheduled date the Contractor intends to perform the Work and the duration of time to complete the Work.
 9. Written permission of other trades whose Work will be affected.

4. QUALITY ASSURANCE:

- A. Contractor shall ensure that cutting, fitting, and patching shall achieve security, strength, weather protection, appearance for aesthetic match, efficiency, operational life, maintenance, safety of operational elements, and the continuity of existing fire ratings.
- B. Contractor shall ensure that cutting, fitting, and patching shall successfully duplicate undisturbed adjacent profiles, materials, textures, finishes, colors, and that materials shall match existing construction. Where there is dispute as to whether duplication is successful or has been achieved to a reasonable degree, the District's decision shall be final.

5. PAYMENT FOR COSTS:

- A. Cost caused by ill-timed or defective Work or Work not conforming to Contract Documents, including costs for additional services of the District, its consultants, including but not limited to the Construction Manager, the Architect, the Project Inspector(s), Engineers, and Agents, will be paid by Contractor and/or deducted from the Contract by the District.
- B. District shall only pay for cost of Work if it is part of the original Contract Price or if a change has been made to the contract in compliance with the provisions of the General Conditions. Cost of Work performed upon instructions from the District, other than defective or nonconforming Work, will be paid by District on approval of written Change Order. Contractor shall provide written cost proposals prior to proceeding with cutting and patching.

6. MATERIALS:

- A. Contractor shall provide for replacement and restoration of Work removed. Contractor shall comply with the Contract Documents and with the Industry Standard(s), for the type of Work, and the Specification requirements for each specific product involved. If not specified, Contractor shall first recommend a product of a manufacturer or appropriate trade association for approval by the District.
- B. Materials to be cut and patched include those damaged by the performance of the Work.

7. INSPECTION:

- A. Contractor shall inspect existing conditions of the Site and the Work, including elements subject to movement or damage during cutting and patching, excavating and backfilling. After uncovering Work, Contractor shall inspect conditions affecting installation of new products.
- B. Contractor shall report unsatisfactory or questionable conditions in writing to District as indicated in the General Conditions and shall proceed with Work as indicated in the General Conditions by District.

8. PREPARATION:

- A. Contractor shall provide shoring, bracing and supports as required to maintain structural integrity for all portions of the Project, including all requirements of the Project.
- B. Contractor shall provide devices and methods to protect other portions of Project from damage.
- C. Contractor shall, provide all necessary protection from weather and extremes of temperature and humidity for the Project, including without limitation, any work that may be exposed by cutting and patching Work. Contractor shall keep excavations free from water.

9. ERECTION, INSTALLATION AND APPLICATION:

- A. With respect to performance, Contractor shall:
 - 1. Execute fitting and adjustment of products to provide finished installation to comply with and match specified tolerances and finishes.
 - 2. Execute cutting and demolition by methods that will prevent damage to other Work and provide proper surfaces to receive installation of repairs and new Work.
 - 3. Execute cutting, demolition excavating, and backfilling by methods that will prevent damage to other Work and damage from settlement.
- B. Contractor shall employ original installer or fabricator to perform cutting and patching for:
 - 1. Weather-exposed surfaces and moisture-resistant elements such as roofing, sheet metal, sealants, waterproofing, and other trades.
 - 2. Sight-exposed finished surfaces.
- C. Contractor shall execute fitting and adjustment of products to provide a finished installation to comply with specified products, functions, tolerances, and finishes as shown or specified in the Contract Documents including, without limitation, the Drawings and Specifications.
- D. Contractor shall fit Work airtight to pipes, sleeves, ducts, conduit, and other penetrations through surfaces. Contractor shall conform to all Code requirements for penetrations or the Drawings and Specifications, whichever calls for a higher quality or more thorough requirement. Contractor shall maintain integrity of both rated and non-rated firewalls, ceilings, floors, etc.
- E. Contractor shall restore Work that has been cut or removed. Contractor shall install new products to provide completed Work in accordance with requirements of the Contract Documents and as required to match surrounding areas and surfaces.
- F. Contractor shall refinish all continuous surfaces to nearest intersection as necessary to match the existing finish to any new finish.

END OF DOCUMENT 01 73 29

DOCUMENT 01 76 00
ALTERATION PROJECT PROCEDURES

1. RELATED DOCUMENTS AND PROVISIONS:

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions, including, without limitation, Integration of Work, Purchase of Materials and Equipment, Uncovering of Work and Non-conforming Work and Correction of Work and Trenches;
- B. Special Conditions.

2. PRODUCTS FOR PATCHING AND EXTENDING WORK:

- A. New Materials: As specified in the Contract Documents including, without limitation, in the Specifications, Contractor shall match existing products, conditions, and work for patching and extending work.
- B. Type and Quality of Existing Products: Contractor shall determine by inspection, by testing products where necessary, by referring to existing conditions and to the Work as a standard.

3. EXAMINATION:

- A. Contractor shall verify that demolition is complete and that areas are ready for installation of new Work.
- B. By beginning restoration Work, Contractor acknowledges and accepts the existing conditions.

4. PREPARATION:

- A. Contractor shall cut, move, or remove items as necessary for access to alterations and renovation Work. Contractor shall replace and restore these at completion.
- B. Contractor shall remove unsuitable material not as salvage unless otherwise indicated in the Contract Documents. Unsuitable material may include, without limitation, rotted wood, corroded metals, and deteriorated masonry and concrete. Contractor shall replace materials as specified for finished Work.
- C. Contractor shall remove debris and abandoned items from all areas of the Site and from concealed spaces.
- D. Contractor shall prepare surface and remove surface finishes to provide for proper installation of new Work and finishes.
- E. Contractor shall close openings in exterior surfaces to protect existing work from weather and extremes of temperature and humidity. Contractor shall insulate ductwork and piping to prevent condensation in exposed areas. Contractor shall insulate building cavities for thermal and/or acoustical protection, as detailed.

5. INSTALLATION:

- A. Contractor shall coordinate Work of all alternations and renovations to expedite completion and to accommodate District occupancy.
- B. Designated Areas and Finishes: Contractor shall complete all installations in all respects, including operational, mechanical work and electrical work.
- C. Contractor shall remove, cut, and patch Work in a manner to minimize damage and to provide a means of restoring Products and finishes to original or specified condition.

- D. Contractor shall refinish visible existing surfaces to remain in renovated rooms and spaces, to specified condition for each material, with a neat transition to adjacent finishes.
- E. Contractor shall install products as specified in the Contract Documents, including without limitation, the Specifications.

6. TRANSITIONS:

- A. Where new Work abuts or aligns with existing, Contractor shall perform a smooth and even transition. Patched Work must match existing adjacent work in texture and appearance.
- B. When finished surfaces are cut so that a smooth transition with new Work is not possible, Contractor shall terminate existing surface along a straight line at a natural line of division and make a recommendation for resolution to the District and the Architect for review and approval.

7. ADJUSTMENTS:

- A. Where removal of partitions or walls results in adjacent spaces becoming one, Contractor shall rework floors, walls, and ceilings to a smooth plane without breaks, steps, or bulkheads.
- B. Where a change of plane of 1/4 inch or more occurs, Contractor shall submit a recommendation for providing a smooth transition to the District and the Architect for review and approval.
- C. Contractor shall trim existing doors as necessary to clear new floor finish and refinish trim as required.
- D. Contractor shall fit Work at penetrations of surfaces.

8. REPAIR OF DAMAGED SURFACES:

- A. Contractor shall patch or replace portions of existing surfaces that are damaged, lifted, discolored, or showing other imperfections.
- B. Contractor shall repair substrate prior to patching finish.

9. CULTIVATED AREAS AND OTHER SURFACE IMPROVEMENTS:

- A. Cultivated or planted areas and other surface improvements which are damaged by actions of the Contractor shall be restored by Contractor to their original condition or better, where indicated.
- B. Contractor shall protect and replace, if damaged, all existing guard posts, barricades, and fences.
- C. Contractor shall give special attention to avoid damaging or killing trees, bushes and/or shrubs on the Premises and/or identified in the Contract Documents, including without limitation, the Drawings.

10. FINISHES:

- A. Contractor shall finish surfaces as specified in the Contract Documents, including without limitations, the provisions of all Divisions of the Specifications.
- B. Contractor shall finish patches to produce uniform finish and texture over entire area. When finish cannot be matched, Contractor shall refinish entire surface to nearest intersections.

11. CLEANING:

- A. Contractor shall continually clean the Site and the Premises as indicated in the Contract Documents, including without limitation, the provisions in the General Conditions and the Specifications regarding cleaning.

END OF DOCUMENT 01 76 00

DOCUMENT 01 77 00
CONTRACT CLOSEOUT AND FINAL CLEANING

1. RELATED DOCUMENTS AND PROVISIONS

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions, including, without limitation, Completion of Work

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- B. Special Conditions
- C. Progress Payment Procedures
- D. Schedule of Work
- E. Construction Waste Management
- F. Project Record Documents
- G. Operations and Maintenance Data
- H. Warranties
- I. Record Documents
- J. Commissioning; If applicable
- K. Temporary Facilities and Controls

2. CLOSEOUT PROCEDURES

Contractor shall comply with all closeout provisions as indicated in the General Conditions.

3. FINAL CLEANING

- A. Contractor shall execute final cleaning prior to final inspection.
- B. Contractor shall clean interior and exterior glass and surfaces exposed to view; remove temporary labels, tape, stains, and foreign substances, polish transparent and glossy surfaces, wax and polish new vinyl floor surfaces, vacuum carpeted and soft surfaces.
- C. Contractor shall clean equipment and fixtures to a sanitary condition.
- D. Contractor shall replace filters of operating equipment.
- E. Contractor shall clean debris from roofs, gutters, down spouts, and drainage systems.
- F. Contractor shall clean Site, sweep paved areas, and rake clean landscaped surfaces.
- G. Contractor shall remove waste and surplus materials, rubbish, and construction facilities from the Site.

4. ADJUSTING

Contractor shall adjust operating products and equipment to ensure smooth and unhindered operation.

5. RECORD DOCUMENTS AND SHOP DRAWINGS

- A. Contractor shall legibly mark each item to record actual construction, including:
 - 1. Measured depths of foundation in relation to finish floor datum.
 - 2. Measured horizontal and vertical locations of underground utilities and appurtenances, referenced to permit surface improvements.
 - 3. Measured locations of internal utilities and appurtenances concealed in construction, referenced to visible and accessible features of the Work.
 - 4. Field changes of dimension and detail
 - 5. Details not on original Contract Drawings
 - 6. Changes made by modification(s).
 - 7. References to related Shop Drawings and modifications.
- B. Contractor will provide a complete set of Record Drawings to the District: one (1) hard copy, one (1) electronic file and upload one (1) set into District approved web-based software.
- C. Contractor shall submit all required documents to District and/or Architect prior to or with its final Application for Payment.

6. INSTRUCTION OF DISTRICT PERSONNEL

- A. Before final inspection, at agreed upon times, Contractor shall instruct District's designated personnel in operation, adjustment, and maintenance of products, equipment, and systems.
- B. For equipment requiring seasonal operation, Contractor shall perform instructions for other seasons within six months.
- C. Contractor shall provide instructions by manufacturer's representatives if installers are not experienced in operations and maintenance procedures. Installer to provide District Representative with Operations and Training agenda two (2) weeks prior to the requested training. Three (3) optional dates and times for the training shall be proposed to the District Representative. District Representative will schedule training with District Maintenance and Operation Departments. Training Agenda to include:
 - 1. Systems Overview
 - 2. Maintenance manuals
 - 3. Spare parts and materials
 - 4. Tools
 - 5. Lubricants
 - 6. Fuels
 - 7. Identification of systems
 - 8. Control Sequences
 - 9. Hazards
 - 10. Cleaning
 - 11. Warranties and bonds
 - 12. Maintenance agreements and similar continuing commitments
- D. As part of instruction for operation equipment, demonstrate the following procedures:
 - 1. Start-up
 - 2. Shutdown
 - 3. Emergency operations
 - 4. Noise and vibration adjustments
 - 5. Safety procedures
 - 6. Economy and efficiency adjustments
 - 7. Effective energy utilization
- E. Contractor shall use operation and maintenance manuals as basis for instruction. Contractor shall review contents of manual with personnel in detail to explain all aspects of operation and maintenance.
- F. Contractor shall prepare and insert additional data in Operation and Maintenance Manual when the need for such data becomes apparent during instruction.
- G. Contractor shall use operation and maintenance manuals as basis for instruction. Contractor shall review contents of manual with personnel in detail to explain all aspects of operation and maintenance.
- H. Contractor shall prepare instruction video of each training. Provide District with one (1) hard copy, one (1) electronic copy of each training and upload each copy into District approved web-based software, into the folder directed by the District.

7. SPARE PARTS AND MAINTENANCE MATERIALS

- A. Two (2) weeks prior to Substantial Completion of the Work, Contractor shall submit a list of extra stock items to District Representative. Identify quantity of material to be turned over and the approximate size of boxes.
- B. Contractor shall provide products, spare parts, maintenance, and extra materials in quantities specified in the Specifications and in Manufacturer's recommendations.
- C. Provide notification to District Representative when extra material is ready to be turned over. Contractor is responsible to collect and store all extra stock until a turnover time is agreed upon.
- D. Contractor to turn over materials at a location directed by the District Representative.
- E. Contractor shall provide District all required Operation and Maintenance Data.

8. **PRODUCTS Not used.**

9. **EXECUTION Not used.**

END OF DOCUMENT 01 77 00

DOCUMENT 01 78 23

OPERATION AND MAINTENANCE DATA

1. RELATED DOCUMENTS AND PROVISIONS

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions, including, without limitation, Completion of the Work;
- B. Special Conditions.

2. QUALITY ASSURANCE

Contractor shall prepare instructions and data by personnel experienced in maintenance and operation of described products.

3. FORMAT

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- A. Contractor shall prepare data in the form of an instructional manual entitled “OPERATIONS AND MAINTENANCE MANUAL & INSTRUCTIONS” (“Manual”).
- B. Binders: Contractor shall use commercial quality, 8-1/2 by 11 inch, three-side rings, with durable plastic covers; two-inch maximum ring size. When multiple binders are used, Contractor shall correlate data into related consistent groupings.
- C. Cover: Contractor shall identify each binder with typed or printed title “OPERATION AND MAINTENANCE MANUAL & INSTRUCTIONS”, and shall list title of Project and identify subject matter of contents.
- D. Contractor shall arrange content by systems process flow under section numbers and sequence of Table of Contents of the Contract Documents.
- E. Contractor shall provide tabbed flyleaf for each separate product and system, with typed description of product and major component parts of equipment.
- F. Text: The content shall include Manufacturer's printed data, or typewritten data on 24-pound paper.
- G. Drawings: Contractor shall provide with reinforced punched binder tab and shall bind in with text; folding larger drawings to size of text pages.

4. CONTENTS, EACH VOLUME

- A. Table of Contents: Contractor shall provide title of Project; names, addresses, and telephone numbers of the Architect, any engineers, sub-consultants, Subcontractor(s), and Contractor with name of responsible parties; and schedule of products and systems, indexed to content of the volume.
- B. For Each Product or System: Contractor shall list names, addresses, and telephone numbers of Subcontractor(s) and suppliers, including local source of supplies and replacement parts.
- C. Product Data: Contractor shall mark each sheet to clearly identify specific products and component parts, and data applicable to installation. Delete inapplicable information.
- D. Drawings: Contractor shall supplement product data to illustrate relations of component parts of equipment and systems, to show control and flow diagrams. Contractor shall not use Project Record Documents as maintenance drawings.
- E. Text: The Contractor shall include all information as required to supplement product data. Contractor shall provide logical sequence of instructions for each procedure, incorporating manufacturer's instructions.
- F. Warranties and Bonds: Contractor shall bind in one copy of each. The Contractor shall provide the
- G. above in paper hard-copy format or electronic/digital files as requested by the District.

5. MANUAL FOR MATERIALS AND FINISHES

- A. Building Products, Applied Materials, and Finishes: Contractor shall include product data, with catalog number, size, composition, and color and texture designations. Contractor shall provide information for re-ordering custom manufactured products.
- B. Instructions for Care and Maintenance: Contractor shall include Manufacturer's recommendations for cleaning agents and methods, precautions against detrimental agents and methods, and recommended schedule for cleaning and maintenance.
- C. Moisture Protection and Weather Exposed Products: Contractor shall include product data listing applicable reference standards, chemical composition, and details of installation. Contractor shall provide recommendations for inspections, maintenance, and repair.
- D. Additional Requirements: Contractor shall include all additional requirements as specified in the Specifications.
- E. Contractor shall provide a listing in Table of Contents for design data, with tabbed fly-sheet and space for insertion of data.

6. MANUAL FOR EQUIPMENT AND SYSTEMS

- A. Each Item of Equipment and Each System: Contractor shall include description of unit or system, and component parts and identify function, normal operating characteristics, and limiting conditions. Contractor shall include performance curves, with engineering data and tests, and complete nomenclature, and commercial number of replaceable parts.
- B. Contractor shall include color-coded wiring diagrams as installed.
- C. Maintenance Requirements: Contractor shall include routine procedures and guide for troubleshooting; disassembly, repair, and reassembly instructions; and alignment, adjusting, balancing, and checking instructions.
- D. Contractor shall include manufacturer's printed operation and maintenance instructions.
- E. Contractor shall include sequence of operation by controls manufacturer.
- F. Contractor shall provide original manufacturer's parts list, illustrations, assembly drawings, and diagrams required for maintenance.
- G. Contractor shall provide control diagrams by controls manufacturer as installed.
- H. Contractor shall provide Contractor's coordination drawings, with color-coded piping diagrams as installed.
- I. Contractor shall provide charts of valve tag numbers, with location and function of each key.
- J. Contractor shall provide list of original manufacturer's spare parts, current prices, and recommended quantities to be maintained in storage.
- K. Additional Requirements: Contractor shall include all additional requirements as specified in Specification(s).
- L. Contractor shall provide a listing in Table of Contents for design data, with tabbed fly sheet and space for insertion of data.

7. SUBMITTALS

- A. Contractor shall submit to the District for review two (2) copies of preliminary draft or proposed formats and outlines of the contents of the Manual within thirty (30) days of Contractor's start of Work.
- B. For equipment, or component parts of equipment put into service during construction and to be operated by District, Contractor shall submit draft content for that portion of the Manual within ten (10) days after acceptance of that equipment or component.
- C. Contractor shall submit two (2) hard copies, one (1) electronic copy and upload electronic copy to District approved web-based software (in the folder directed by the District) of a complete Manual in final form prior to final Application for Payment. Copy will be returned with District comments. Contractor must revise the content of the Manual as required by District prior to District's approval of Contractor's final Application for Payment.
- D. Contractor must submit two (2) hard copies, one (1) electronic copy and upload electronic copy to District approved web-based software (in the folder directed by the District) of revised Manual in final form within ten (10) days after final inspection.

END OF DOCUMENT 01 78 23

DOCUMENT 01 78 36
WARRANTIES

1. RELATED DOCUMENTS AND PROVISIONS

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions, including, without limitation, Warranty/Guarantee Information;
- B. Special Conditions.

2. FORMAT

- A. Binders: Contractor shall use commercial quality, 8-1/2 by 11 inch, three-side rings, with durable plastic covers; two-inch maximum ring size.
- B. Cover: Contractor shall identify each binder with typed or printed title 'WARRANTIES' and shall list title of Project.
- C. Table of Contents: Contractor shall provide title of Project; name, address, and telephone number of Contractor and equipment supplier, and name of responsible principal. Contractor shall identify each item with the number and title of the specific Specification, document, provision, or section in which the name of the product or work item is specified.

3. PRODUCT WARRANTIES; PROJECT WARRANTY

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- A. Contractor shall separate each warranty for materials or equipment incorporated into the Work with index tab sheets keyed to the Table of Contents listing, providing full information and using separate typed sheets as necessary. Contractor shall list each applicable and/or responsible Subcontractor(s), supplier(s), and/or manufacturer(s), with name, address, and telephone number of each responsible principal(s) for each material/equipment.
- B. Contractor shall provide all material and equipment warranty documents on a USB and uploaded into District approved web-based software. Each tab in the binder should be a separate file.
 - 1. File should be identified per the binder cover and table of contents.
- C. Contractor shall provide a Warranty Guarantee form for each warranty.
- D. The Contractor shall complete and submit the form of Project Warranty/Guarantee included in the Contract Documents.
- E. Refer to Document 01 78 23 for additional warranty requirements.

4. PREPARATION

- A. Contractor shall obtain materials/equipment warranties, executed in duplicate by each applicable and/or responsible subcontractor(s), supplier(s), and manufacturer(s), within ten (10) days after completion of the applicable item or work. Except for items put into use with District's permission, Contractor shall leave date of beginning of time of warranty until the date of completion is determined.
- B. Contractor shall verify that materials/equipment warranty documents are in proper form, contain full information, and are notarized, when required.
- C. Contractor shall co-execute materials/equipment warranty submittals when required.
- D. Contractor shall retain warranties until time specified for submittal.

5. TIME OF SUBMITTALS:

- A. For equipment or component parts of equipment put into service during construction with District's permission, Contractor shall submit a draft warranty for that equipment or component within ten (10) days after acceptance of that equipment or component.
- B. Contractor shall submit for District approval all warranties and related documents within ten (10) days after date of completion. Contractor must revise the warranties as required by the District prior to District's approval of Contractor's final Application for Payment.
- C. For items of work delayed beyond date of completion, provide updated submittal within ten days after acceptance, listing the date of acceptance as start of warranty period.

6. COMMENCEMENT OF WARRANTIES

- A. Unless otherwise expressly provided in the Contract Documents, the commencement date of materials/equipment warranties and the Contractor's Project Warranty/Guarantee shall be the date of Final Acceptance of the Work. Final Acceptance shall be as defined in the General Conditions.

END OF DOCUMENT 01 78 36

DOCUMENT 01 78 39
RECORD DOCUMENTS

1. RELATED DOCUMENTS AND PROVISIONS:

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions, including, without limitation, Documents on Work;
- B. Special Conditions.

2. GENERAL:

- A. Contractor shall maintain at each Project Site one (1) set of marked-up plans and shall transfer all changes and information to those marked-up plans, as often as required in the Contract Documents, but in no case less than once each month. Contractor shall submit to the Project Inspector one set of reproducible vellums of the Project Record Drawings ('As-Builts') showing all changes incorporated into the Work since the preceding monthly submittal. The As-Builts shall be available at the Project Site. The Contractor shall submit one hard copy, one electronic on a USB, and uploaded to District approved web-based software.
- B. Label and date each Record Drawing "RECORD DOCUMENT" in legibly printed letters.
- C. All deviations in construction, including but not limited to pipe and conduit locations and deviations caused by without limitation Change Orders, Construction Claim Directives, RFI's, and Contractor shall, accurately and legibly record Addenda.
- D. Locations and changes shall be done by Contractor in a neat and legible manner and, where applicable, indicated by drawing a "cloud" around the changed or additional information.

3. RECORD DRAWING INFORMATION:

A. Contractor shall record the following information:

1. Locations of Work buried under or outside each building, including, without limitation, all utilities, plumbing and electrical lines, and conduits.
2. Actual numbering of each electrical circuit.
3. Locations of significant Work concealed inside each building whose general locations are changed from those shown on the Contract Drawings.
4. Locations of all items, not necessarily concealed, which vary from the Contract Documents.
5. Installed location of all protection anodes.
6. Deviations from the sizes, locations, and other features of installations shown in the Contract Documents.
7. Locations of underground work, points of connection with existing utilities, changes in direction, valves, manholes, catch basins, capped stubouts, invert elevations, etc. 8. Sufficient information to locate Work concealed in each building with reasonable ease and accuracy. In some instances, this information may be recorded by dimension. In other instances, it may be recorded in relation to the spaces in the building near which it was installed.

B. Contractor shall provide additional drawings as necessary for clarification.

C. Contractor shall provide reproducible record drawings, made from final Shop Drawings marked 'No Exceptions Taken' or 'Approved as Noted.'

4. RECORD SPECIFICATIONS

Contractor shall mark each section legibly to record manufacturer, trade name, catalog number, and supplier of each Product and item of equipment actually installed.

5. MAINTENANCE OF RECORD DOCUMENTS

A. Contractor shall store Record Documents apart from documents used for construction as follows:

1. Provide files and racks for storage of Record Documents.
2. Maintain Record Documents in a clean, dry, legible condition and in good order.

B. Do not use Record Documents for construction purposes.

C. District to receive one (1) hard copy, one (1) electronic copy and uploaded to the District approved web-based software at end of Project. Record Documents are to be posted with all addenda, change orders, RFIs submittal references, CCDs, ASIs, etc.

END OF DOCUMENT 01 78 39

XVIII. TECHNICAL SPECIFICATION

VINYL COMPOSITION TILE

PART 1 - GENERAL

1.01 SUMMARY

- A. Provisions of Division 01 apply to this section.
- B. Section Includes:
 - 1. Vinyl composition tile flooring as indicated.
- C. Related Sections:
 - 1. Rubber Base.

1.02 DEFINITIONS

- A. Pop-up: A pop-up is defined as any surface deviation or looseness of substrate that is equal to or greater than 1/64 (0.015625) inch above the concrete floor level, regardless of the size.

1.03 SUBMITTALS

- A. Product Data: Submit manufacturer's published technical data describing materials, construction and recommended installation instructions. Submit technical data and installation instructions for each adhesive material. Submit list and Product Data of recommended finish materials.
- B. Maintenance Instructions: Submit manufacturer's recommendations for maintenance, care, and cleaning of vinyl composition tile.
- C. Samples: Submit Samples of vinyl composition tile and any reducers or transitions in each available color and pattern. Following color selections, submit full size samples of each selected color and pattern. Submit pint cans of each type of adhesive.
- D. Maintenance Materials: Before Substantial Completion, deliver one unopened container of each color and pattern of vinyl composition tile in each color and pattern installed. Label each container indicating locations installed. Include unopened cans of adhesives adequate to install the maintenance materials.

- E. Installer's Experience Qualifications: Submit list of not less than 5 projects, extending over period of not less than 5 years, indicating installer's experience record. Submit letter from manufacturer indicating manufacturer's approval for installer of the products.

1.04 QUALITY ASSURANCE

- A. Qualifications of Installer: Minimum 5 years experience in successfully installing the same or similar flooring materials.
- B. Qualifications of Supervising Installer: In addition to the qualifications of the installer listed above, the flooring installer's supervisor shall have a minimum of 10 hours Cal-OSHA safety training.
- C. Pre-Installation and Progress meetings: Prior to start of work of this section and after approval of submittals, schedule on-site meetings between Contractor, Supervising Installer, OAR and IOR to review installation and procedures required for project.
- D. Comply with the following as a minimum requirement:
 - 1. All materials shall be ADA compliant.
 - 2. ASTM E 84: Class A Flame Spread Rating of 25 or less.
 - 3. CHPS Low-Emitting Materials Table: Materials submitted for vinyl tile assemblies must be listed as low emitting on the CHPS web site, www.CHPS.net, or must be tested by an independent laboratory to meet CHPS Section 01350. All components of an assembly must meet Section 01350 individually or in an assembly. Vinyl tile assemblies include tile and adhesive.

1.05 DELIVERY, STORAGE AND HANDLING

- A. Materials shall be delivered to the Project site in original unopened manufacturer's packaging clearly labeled with manufacturer's name.
- B. Materials shall be stored at room temperature, but not less than 70 degrees F for not less than 48 hours before installation, unless manufacturer's instructions specify otherwise.

1.06 PROJECT CONDITIONS

- A. Ventilation and Temperature: Verify areas that are to receive new flooring are ventilated to remove fumes from installation materials. Verify that areas are within temperature range recommended by the various material manufactures for Project site installation conditions.

1.07 WARRANTY

- A. Manufacturer shall provide a 5 year material warranty.
- B. Installer shall provide a 2 year labor warranty.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

- A. Armstrong Flooring. (No Substitute)

2.02 MATERIALS

- A. Vinyl Composition Tile: Conform to ASTM F 1066, Composition 1, asbestos free, Class 2 (through pattern), 12 inch by 12 inch by minimum 1/8 inch thick. Field Color (90%) to be Armstrong VCT, Imperial Texture, 51908 Pewter. Accent Color (10%) Armstrong VCT, Imperial Texture, 57535 Blue Moon.
 - 1. Tile shall be from same batch and run number for each color.
- B. Crack Filler and Leveling Compound: 100% cementitious binder type (as defined by ASTM C150), shall be approved by Owner's Office of Environmental Health and Safety (OEHS). The following manufacturers are currently listed approved by OEHS:
 - 1. Webcrete # 95 as manufactured by Durabond.
 - 2. Ardex SD-F.
 - 3. Armstrong S183 or S184.
 - 4. Or as recommended by flooring manufacturer and approved by OEHS.
 - 5. Leveling Compound shall meet or exceed 200 pounds when tested in accordance with ASTM C 1583.
- C. Concrete Primer: Non-staining type recommended by manufacturer of vinyl composition tile. Concrete primer shall be OEHS approved.
- D. Adhesive: Water based, low odor type formulated specially for installation with vinyl composition tile, and recommended by manufacturer.
- E. Reducer Strips: Tapered rubber not less than one inch wide, and thickness to match tile.
- F. Moisture Detection Equipment: Calcium chloride testing system, consisting of prepackaged anhydrous calcium chloride crystal test kits, and an electronic gram weight scale measurable in 1/10 grams. Equipment shall be manufactured by one of the following:
 - 1. Sealflex Industries, Inc., 3303 Harbor Blvd., Unit C2, Costa Mesa, CA 92626.
 - 2. Vaprecision Inc, 3211 W. MacArthur Blvd, Santa Ana, CA 92704.
- G. Floor Finish: One of the following systems:
 - 1. Neutral cleaner, ACT sealer and Super Polymer 85 finish, manufactured by Maintex.. (2 Coats Sealer, 4 coats wax)
 - 2. Sundance cleaner and Butcher's Mainstay floor finish, manufactured by Waxie Stationary Supply. (2 Coats Sealer, 4 coats wax)

PART 3 - EXECUTION

3.01 COORDINATION

- A. Coordinate with related Work to assure level, dry, smooth, and clean finish surfaces to receive vinyl composition floor tile.

3.02 EXAMINATION

- A. Field verify and correct deficiencies of all conditions affecting Work before commencing Work of this section.

3.03 PREPARATION OF CONCRETE SLABS

- A. Remove all existing tile and abate that which is identified in Exhibit 1.
- B. Do not start preparation until underlying concrete floor slabs are at least 90 days old. Any leveling compound under a vapor or moisture barrier shall be warranted to be installed in a wet or moist environment without moisture limitations.
- C. Leveling: Check sub-floors for true to level and plane within the tolerance listed in Manufacturer's installation instructions. Test floor areas both ways with a 10- foot straightedge and repair high and low areas exceeding allowable tolerance. Pop ups shall be hammered out and floor filled with an approved

cementitious leveling compound. Remove high areas by power sanding, stone rubbing or grinding, chipping off and filling with an approved leveling compound, or equivalent method. Fill low areas with an approved leveling compound. Repair and level surfaces having abrupt changes in plane, such as trowel marks or ridges, whether or not within allowable tolerance. Clean areas where repairs are performed.

- D. Cracks or Depressions: Fill voids with an approved cementitious leveling compound of the type recommended by flooring manufacturer for the specific Work conditions.
- E. Cleaning: After leveling, clean substrates of all deleterious substances and foreign matter.
- F. Moisture Testing: Test new and old concrete slabs for adequate dryness.
 - 1. Testing shall conform to ASTM F 1869, and the following. Minimum testing requirements are 3 calcium chloride tests for the first 1,000 square feet of floor area, and one for each additional 1,000 square feet or fraction thereof. Unless more stringent requirements are recommended by flooring manufacturer, maximum allowable moisture release at time of flooring installation shall be 3 pounds per 24 hours per 1,000 square feet, or as recommended by flooring manufacturer. Provide results of moisture test to the OAR.
 - 2. Test concrete for alkalinity. An acceptable range is between pH5 to pH9. Excessive alkalinity shall be neutralized, using manufacturer's recommended methods, prior to installation of floor covering.
 - 3. Delay application of flooring until sub-floors are sufficiently dry according to flooring manufacturer's recommendations, or perform remedial measures as recommended by flooring materials manufacturer.

3.04 PREPARATION OF WOOD SUB-FLOORS

- A. Install underlayment according to manufacturer's instructions.
- B. Sweep floors. Vacuum sanding dust.

3.05 INSTALLATION OF TILE

- A. Color and pattern: All tiles are to be laid with grain direction alternating in adjacent tiles (basket-weave pattern). The "color pattern" is to randomly intermix 10% of the Accent color into the Field color.
- B. Special designs/school logo:
 - 1. Fabricate of sizes and colors indicated on drawings and from electronic file provided by Architect.
 - 2. Precision cut VCT tiles using either computer aided water-jet or laser technologies to a tolerance of 0.005 inch.
- C. Install vinyl composition floor tile when ambient temperature is 70 degrees F or higher or manufacturer's range.
- D. Install the tile adhesive in a thin film evenly with a notched trowel. Trowel notches shall be as recommended by adhesive manufacturer.
 - 1. Mix adhesive in accordance with manufacturer's instructions. Provide all safety precaution during mixing.
 - 2. Install adhesive only in area that can be covered by flooring material within the adhesive manufacture's recommended working time. Do not set tile into wet adhesive.
 - 3. Tile must be set into dry, but still tacky, adhesive film. Remove adhesive that has dried beyond recommended time, or has filmed over and is no longer tacky.
 - 4. Adhesive application rate shall be as required to avoid telegraphing trowel lines to the surface after maintenance coatings are applied. Adjust tile runoff during installation if necessary.
 - 5. Immediately remove any excess adhesive from the tile surface using the adhesive manufacturer's recommended cleaner and a damp, not wet, cloth.
- E. Provide reducer where floor covering edges are exposed, such as at center of the door or where floor coverings terminate.

- F. Install tiles symmetrically about centerlines of areas progressing toward walls. Adjust border tiles as required. Tiles shall be straight and joints close. Tile shall be cut to fit snugly at doorframes, and walls. No slivers at edges.
- G. Mechanically cut flooring material to produce square true edges.
- H. As floor tile is installed and within adhesive's recommended working time, roll with a clean, smooth, 100-pound roller in both directions. As the rolling proceeds, replace any loosened, defective, or damaged tile with new and finish to the specified condition.
- I. Remove all dust, debris, and soil with any combination of sweeping, micro-fiber dustmopping with a properly treated, non-oily mop and vacuuming.

3.06 CLEANING, WAXING, AND COMPLETION

- A. Maintain all flooring surfaces clean as installation progresses.
- B. Use a sprayer to mist the area to be cleaned with a neutral cleaning solution prepared in accordance with manufacturer's instructions.
- C. Gently scrub the floor using red or maroon cleaning, not stripping pads, mounted on a single disc, 175 RPM floor machine; or preferably, with a machine that uses horizontally mounted brushes with a counter-rotating spindle motion. Never allow the machine to remain running stationary.
- D. Remove the resulting slurry with a wet vacuum.
- E. Rinse the floor at least four times, each time using a clean mop and clean rinse water. On the first rinse, apply just enough water to keep the floor wet until the solution is picked-up with a vacuum. The next two rinses should be with a fairly well wrung-out, damp mop. The final rinse should produce virtually clean rinse water. Ensure the rinse water is clean throughout the rinsing process. Avoid tracking the floor after the final rinse. Check the floor after the final rinse for any missed areas and re-scrub/rinse as needed. Repeat the rinsing process until all signs of the cleaning solution are removed and the floor shows no sign of haziness or dusting when dry. If the Contractor has lightweight "automatic" floor machines capable of achieving the same result as described above, they may be used in-place of this method. Do not flood or excessively dampen floor at any time.
- F. Allow the Work to dry thoroughly.
- G. Finish vinyl composition tile with 2 coats of sealer, and 4 coats of finish (wax) applied in accordance with manufacturer's instruction. Each coat shall dry for a period of time recommended by the manufacturer. The last coat of floor wax shall be burnished in accordance with manufacturer's written instructions. Take care not to allow any foreign material, including dust and mop fibers to become embedded in any coat of wet sealer or finish.
- H. After the last coat of floor finish has dried sufficiently according to the manufacturer's instructions, burnish work, using high speed equipment, in accordance with manufacturer's written instructions to bring the entire surface, including the corners and edges, to high level of luster, free of all types of marks and dust embedded in finish
- I. Clean adjacent baseboard and other surfaces of adhesive and other materials. Replace damaged or defective Work to the specified condition.

3.07 CLEAN UP

- A. Remove rubbish, debris, and waste materials and legally dispose of off Project site.

3.08 PROTECTION

- A. Protect the Work of this section until Substantial Completion.

RUBBER BASE

PART 1 - GENERAL

1.01 SUMMARY

- A. Provisions of Division 01 apply to this section.
- B. Section Includes:
 - 1. Topset covered rubber base for installation with surface flooring.
- C. Related Sections
 - 1. Technical Specification: Vinyl Composition Tile.

1.02 SUBMITTALS

- A. Product Data: Submit manufacturer's published technical data describing materials, construction and recommended installation instructions. Submit technical data and installation instructions for each adhesive material.
- B. Maintenance Instructions: Submit manufacturer's recommendations for maintenance, care and cleaning of base.
- C. Samples: Submit Samples of top set base in each available color. Color to be Black.

1.03 QUALITY ASSURANCE

- A. Qualifications of Installer: Minimum 5 years experience in successfully installing the same or similar flooring materials.
- B. Comply with the following as a minimum requirement:
 - 1. ASTM E 84: Standard Test Method for Surface Burning Characteristics of Building Materials.
 - 2. ASTM F 1861: Standard Specification for Resilient Wall Base.
 - 3. CHPS Low-Emitting Materials Table: Materials submitted for rubber base assemblies must be listed as low emitting on the CHPS website, www.CHPS.net, or must be tested by an independent laboratory to meet CHPS Section 01350. All components of an assembly must meet Section 01350 individually or in an assembly. Rubber assemblies include tile and adhesive.
 - 4. Each selected color and configuration shall be from same dye lot and color.

1.04 DELIVERY, STORAGE AND HANDLING

- A. Materials shall be delivered to the Project site in original unopened manufacturer's packaging clearly labeled with manufacturer's name. Store materials at room temperature, but not less than 70 degrees F, for a minimum of 48 hours before installation, unless otherwise indicated in manufacturer's printed instructions.

1.05 PROJECT CONDITIONS

- A. Ventilation and Temperature: Verify areas that are to receive rubber base are ventilated to remove fumes from installation materials, and areas are within temperature range recommended by the various material manufactures for site installation conditions.

1.06 WARRANTY

- A. Manufacturer shall provide a 5 year material warranty.
- B. Installer shall provide a 2 year labor warranty.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

- A. Burke/Mercer Wall Base.
- B. Johnson, Pinnacle Rubber Base.

2.02 MATERIALS

- A. Rubber base: Conform to ASTM F 1861; Group 2, solid (homogeneous); Type 1, TS, (thermoset) vulcanized rubber, Style A, 4 inch high unless otherwise indicated, integral colors as selected, non-shrinking, 1/8 inch thick, with matching molded outside corners.
- B. Base Adhesive: Water based, low odor type, as recommended by manufacturer of rubber base.

PART 3 - EXECUTION

3.01 COORDINATION

- A. Coordinate the Work of this section with other sections to provide a level, smooth and clean finish surfaces to receive rubber base.

3.02 EXAMINATION

- A. Field verify dimensions and other conditions affecting the Work of this section before commencing the Work of this section.
- B. Before Work is started, examine surfaces that are to receive rubber base. Deficiencies shall be corrected before starting the Work of this section.

3.03 PREPARATION

- A. Do not start preparation until adjacent concrete floor slabs are at least 90 days old and finish flooring is installed.
- B. Properly remove any old base. Install new rubber base when ambient temperature is 70 degrees F. or higher.

3.04 INSTALLATION

- A. Install top set base at all hard floors, including resilient flooring, concrete and wood, carpet and other soft floors, unless otherwise indicated on drawings.
- B. Securely fasten cement base to backing in long lengths in accordance with manufacturer's recommendations. Lay out lengths so that not less than 18 inches long filler pieces are provided. Assure that top and toe continuously contact the wall and floor, and that all joints are tight. Install matching factory formed external corners at all offsets. All inside corners shall be coped; wrapped corners are not acceptable.
- C. Use of adhesive gun is prohibited. Apply adhesive directly to substrate using the appropriate notched trowel or spreader according to manufacturer's instructions. Maintain 1/8 inch gap from top of base to prevent adhesive oozing onto adjacent surfaces.
- D. Base and outside corners shall be rolled with a seam roller before adhesive sets.

3.05 CLEANING

- A. Maintain surfaces of base clean as installation progresses. Clean rubber base when sufficiently seated and remove foreign substances.
- B. Clean adjacent surfaces of adhesive or other defacement. Replace damaged and/or defective Work to the specified condition.

3.06 CLEAN UP

- A. Remove rubbish, debris and waste materials and legally dispose of off the Project site.

3.07 PROTECTION

- A. Protect the Work of this section until Substantial Completion.

CARPET

PART 1 - GENERAL

1.01 SUMMARY

- A. Provisions of Division 01 apply to this section.
- B. Section Includes:
 - 1. Carpet specifications for installation with surface flooring.
- C. Related Sections
 - 1. Technical Specification: Vinyl Composition Tile.

1.02 SUBMITTALS

- A. Product Data: Submit manufacturer's published technical data describing materials, construction and recommended installation instructions. Submit technical data and installation instructions for each adhesive material.
- B. Maintenance Instructions: Submit manufacturer's recommendations for maintenance, care and cleaning of base.
- C. Samples: Submit Samples of product in each available color. Color to be Blue Spirit 33201.

1.03 QUALITY ASSURANCE

- A. Qualifications of Installer: Minimum 5 years experience in successfully installing the same or similar flooring materials.
- B. Comply with the following as a minimum requirement:
 - 1. ASTM D 2859: Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials.
 - 2. ASTM E 648: Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using Radiant Heat Energy Source
 - 3. ASTM E 662: Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials
 - 4. Each selected color and configuration shall be from same dye lot and color.

1.04 DELIVERY, STORAGE AND HANDLING

- A. Materials shall be delivered to the Project site in original unopened manufacturer's packaging clearly labeled with manufacturer's name. Store materials at room temperature, but not less than 70 degrees F, for a minimum of 48 hours before installation, unless otherwise indicated in manufacturer's printed instructions.
- B. Material must be stored according to manufacturer's installation & floor preparation instructions.

1.05 PROJECT CONDITIONS

- A. The ambient temperature of the interior environment at the site of installation, including the sub floor, must be no lower than 65°F and no higher than 85°F for a period at least 72 hours prior to installation,

during installation, and after the installation has been completed. Ambient Relative humidity must not exceed 65%.

1.06 WARRANTY

- A. Manufacturer shall provide a Limited Lifetime Warranty.
- B. Installer shall provide a 2 year labor warranty.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

- A. Tarkett (No Substitute).

2.02 MATERIALS

- A. Carpet: Maelstrom Powerbond Hybrid Carpet 04849 Blue Spirit 33201, 24”x24” Modular Carpet Tile
- B. Floor Primer: Tarkett C-36E Floor Primer
- C. Seam Sealer: Tarkett Powerbond number 54 Seam Weld
- D. Seam Cleaner number 77

PART 3 - EXECUTION

3.01 COORDINATION

- A. Coordinate the Work of this section with other sections to provide a level, smooth and clean finish surfaces to receive rubber base.

3.02 EXAMINATION

- A. Field verify dimensions and other conditions affecting the Work of this section before commencing the Work of this section.
- B. Before Work is started, examine surfaces that are to receive carpet. Deficiencies shall be corrected before starting the Work of this section.

3.03 PREPARATION

- A. Remove all existing tile and abate that which is identified in Exhibit 1.
- B. Do not start preparation until underlying concrete floor slabs are at least 90 days old. Any leveling compound under a vapor or moisture barrier shall be warranted to be installed in a wet or moist environment without moisture limitations.
- C. Leveling: Check sub-floors for true to level and plane within the tolerance listed in Manufacturer’s installation instructions. Test floor areas both ways with a 10- foot straightedge and repair high and low areas exceeding allowable tolerance. Floor shall be filled with an approved cementitious leveling compound. Remove high areas by power sanding, stone rubbing or grinding, chipping off and filling with an approved leveling compound, or equivalent method. Fill low areas with an approved leveling compound. Repair and level surfaces having abrupt changes in plane, such as trowel marks or ridges, whether or not within allowable tolerance. Clean areas where repairs are performed.

- D. Cracks or Depressions: Fill voids with an approved cementitious leveling compound of the type recommended by flooring manufacturer for the specific Work conditions.
- E. Cleaning: After leveling, clean substrates of all deleterious substances and foreign matter.
- F. Moisture Testing: Test new and old concrete slabs for adequate dryness.
 - a. Testing shall conform to ASTM F 1869, and the following. Minimum testing requirements are 3 calcium chloride tests for the first 1,000 square feet of floor area, and one for each additional 1,000 square feet or fraction thereof. Unless more stringent requirements are recommended by flooring manufacturer, maximum allowable moisture release at time of flooring installation shall be 3 pounds per 24 hours per 1,000 square feet, or as recommended by flooring manufacturer. Provide results of moisture test to the OAR.
 - b. Test concrete for alkalinity. An acceptable range is between pH5 to pH9. Excessive alkalinity shall be neutralized, using manufacturer's recommended methods, prior to installation of floor covering.
 - c. Delay application of flooring until sub-floors are sufficiently dry according to flooring manufacturer's recommendations, or perform remedial measures as recommended by flooring materials manufacturer.

3.04 INSTALLATION

- A. Install carpet per Tarkett manufacturer's installation manual.

3.05 CLEANING

- A. Maintain clean surfaces as installation progresses. Clean carpet seams when sufficiently seated and remove excess adhesive.
- B. Clean adjacent surfaces of adhesive or other defacement. Replace damaged and/or defective Work to the specified condition.

3.06 CLEAN UP

- A. Remove rubbish, debris and waste materials and legally dispose of off the Project site.

3.07 PROTECTION

- A. Protect the Work of this section until Substantial Completion.

END OF SECTION

END OF DOCUMENT

EXHIBIT I

LIMITED ASBESTOS & XRF-LEAD ASSESSMENT



A-Tech Consulting, Inc.

1640 N. Batavia Street, Orange, CA 92867
Phone (714) 434-6360 Fax (714) 221-6360
www.atechinc.net

LIMITED ASBESTOS & XRF-LEAD ASSESSMENT

Macy Elementary School
2301 Russell Street

City of La Habra
County of Orange
State of California

Project Number: Atch-202117

August 28, 2020

PREPARED FOR:

Lowell Joint School District

PRIVILEGED & CONFIDENTIAL

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Cover

ASBESTOS

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Atch-202117
Limited Asbestos Assessment
2301 Russell Street
La Habra, California 90631

August 28, 2020

Lowell Joint School District
11019 Valley Home Avenue
Whittier, California 90603

Attn: Mr. David Bennett

Re: Macy Elementary School
2301 Russell Street
La Habra, California 90631

Pursuant to your request, A-Tech Consulting, Inc. (A-Tech) has completed a Limited Asbestos Assessment of Macy Elementary School located at 2301 Russell Street, in La Habra, California. The following report summarizes the findings of this inspection. Please direct all questions for this project to A-Tech's CSST or CAC who performed the sampling at (800) 434-1025 or pm@atechinc.net.

1.0 INTRODUCTION

A-Tech was contacted by Mr. David Bennett with Lowell Joint School District to confirm the presence or absence of asbestos at Macy Elementary School located at 2301 Russell Street, (subject property), in La Habra, California. The assessment was conducted by Alan Fregoso - CSST #19-6611 and Matthew Barna - CSST #19-6738 under the supervision of Robert Williams CAC #96-1980 with A-Tech on August 12, 2020 to August 14, 2020 and August 17, 2020 to August 20, 2020. This report was not intended to be a comprehensive assessment.

2.0 SCOPE OF ASSESSMENT

This limited asbestos assessment was performed to identify visible and/or readily accessible suspect friable and non-friable Asbestos-Containing Building Materials (ACBMs) at a subject property. The intent of this assessment was to satisfy all regulatory requirements for renovation and/or demolition. Friable ACM, as defined by the U.S. Environmental Protection Agency (EPA) and South Coast Air Quality Management District (SCAQMD), Rule 1403, is a material that, when dry, can be easily pulverized, crushed or reduced to powder by hand pressure. Non-friable ACBM that can potentially be broken, crumbled, pulverized or reduced to powder in the course of demolition or renovation activities are classified as Category I or Category II, non-friable ACBM. These assessments are typically accomplished by, and limited to, an in-depth site reconnaissance, a review of readily available building records, and a review of readily available asbestos Operation and Maintenance (O&M) plans. In the event that suspected or known ACBMs exist at a given site, samples of the potential ACBMs may be collected for subsequent laboratory analysis.

This inspection was limited to representative locations in the project area that may be affected by the upcoming renovation activities. Limited intrusive and/or non-destructive sampling was conducted as a part of the scope of services performed. If additional suspect materials are observed by the contractor, abatement contractor, building owner and/or its representatives, A-Tech should be notified to conduct additional testing. Certain materials may not have been visible/accessible during the initial assessment such as subsurface materials, live electrical equipment, materials in pipe chases, barrier paper under wood, sub-slab membranes, materials under the building structure, in wall and ceiling cavities, etc.

This Limited Asbestos Assessment was conducted in accordance with the Scope of Services authorized by Mr. David Bennett with Lowell Joint School District in accordance with current regulatory guidelines. All sampling was conducted at the direction of Mr. David Bennett and was limited to the areas and materials with the potential for impact during any upcoming renovation activities.

3.0 PREVIOUS ASSESSMENT/HISTORICAL DATA

No prior asbestos related documentation for the subject property was reviewed or made available.

During this assessment, A-Tech Consulting, Inc. identified various presumed asbestos containing materials (PACM) at specific locations inspected. Based upon A-Tech Consulting, Inc.'s observations, the following materials were identified as a PACM: tan vinyl sheeting with mastic and sliding door transite panels encased in metal.

4.0 VISUAL INSPECTION AND SAMPLING/ANALYTICAL METHODOLOGY

To identify suspect friable and non-friable ACBM, as required under California law, a California Occupational Safety Health Administration (CAL-OSHA), Certified Site Surveillance Technicians (CSST) and/or Certified Asbestos Consultant (CAC) is required to conduct visual and/or bulk assessments of a subject property.

During this assessment, A-Tech identified homogenous areas of suspected ACBMs for purpose of sampling in accordance with current CAL-OSHA/EPA (AHERA) requirements. These areas were defined with respect to similarities in appearance, age, use, type, color, and/or texture. The condition and estimated quantity of the suspected materials were also assessed. Based upon A-Tech's observations, one hundred and fifty-five (155) homogeneous suspect asbestos containing building materials were identified. Only pre-selected materials delineated by Lowell Joint School District were sampled during this inspection. Please refer to Appendix A for a complete list of sampled materials.

To evaluate the presence of asbestos in these suspected ACBMs, A-Tech obtained six hundred and sixty-seven (667) bulk samples, which appeared to represent each homogeneous area (see tables). However, some of the samples analyzed may have multiple layers of material, which the laboratory is required to separate and analyze independently. The total amount of samples analyzed was one thousand one hundred and seventy-seven (1,177). Regarding multiple layered materials, if one layer tests positive for asbestos content, the entire sample is considered positive.

Note: The Rolled Roof consists of 2 systems and 4 layers. The Shingle Roof consists of 2 systems and 3 layers.

Materials containing greater than one-tenth of one percent ($>0.1\%$) asbestos by weight are considered positive in this report and defined as asbestos containing construction material (ACCM), and anything $>1\%$ is an asbestos containing material.

Following Asbestos Hazard Emergency Response Act (AHERA) inspection methodology, the inspector identifies each suspect material and categorizes it into one of three established material types: surfacing, thermal system or miscellaneous (See Attached Table: Asbestos Bulk Sample Analysis for Individual Sample Identification). The following describes the characteristics for these three categories:

- *Surfacing material* - means material in a building that is sprayed on, troweled on, or otherwise applied to surfaces such as acoustical plaster on ceilings, fireproofing materials on structural members, or other materials on surfaces for acoustical, fireproofing, or other purposes.
- *Thermal system insulation* - means material in a building applied to pipes, fittings, boilers, breeching, tanks, ducts, or other interior structural components to prevent heat loss or gain, or water condensation, or for other purposes.
- *Miscellaneous material* - means interior building material on structural components, structural members or fixtures, such as floor and ceiling tiles, and does not include surfacing material or thermal system insulation.

Amended water-spray wet methods were used during the collection of each friable sample, such as suspended ceiling tiles. Whenever possible A-Tech Consulting, Inc. does not conduct destructive sampling (with the exception of vacant buildings to be demolished). For example, samples of floor tile were collected by taking a small chip out of a corner or area that was already damaged.

After collecting each sample, the sampling equipment was cleaned with a moist towelette. Each sample was sealed in a sample container and assigned a discrete sample identification number.

Note: During this survey, A-Tech Consulting, Inc. identified various presumed asbestos containing materials (PACM) at specific locations inspected (please refer to the Appendix A, Asbestos Bulk Analysis Table for further details). Based upon A-Tech Consulting, Inc.'s observations, the following materials were identified as a PACM: resilient sheeting with mastic and sliding door transite panels encased in metal.

5.0 LABORATORY ACCREDITATION & ANALYTICAL PROCEDURES

The six hundred and sixty-seven (667) samples obtained from the subject property were delivered to CAGX Laboratory of Irvine, California (949) 333-3276 (under chain-of-custody procedures) for analysis. This laboratory is a fully accredited laboratory by the National Institute of Standards and Technology (NIST) through participation in the National Voluntary Laboratory Accreditation Program (NVLAP) lab code #600229-0.

On August 20, 2020, August 24, 2020, August 25, 2020, the samples were analyzed for asbestos by PLM, using dispersion staining in accordance with U.S. EPA Procedures outlined in 40 CFR 763, Subpart F, Appendix A (AHERA). The laboratory analyst using a stereomicroscope made asbestos volume estimates. Utilizing the PLM 600R/R-93/116 method, the result given is a semi-quantitative result (down to <1%) which reflects a calibrated visual estimate from an analyst using both Polarized Light Microscopy and Stereomicroscopy.

On August 20, 2020 and August 26, 2020, at the request of Mr. David Bennett, the point counting analytical method was utilized as a representation of the two (2) plaster on buttonboard, ten (10) drywall with joint compound, twenty-five (25) 1'x1' ceiling tile with hockey puck mastic, one (1) 12"x 12" orange resilient flooring/resilient floor mastic and three (3) 9"x 9" green resilient flooring/resilient floor mastic sample(s) collected from the subject property, which was detected at <1% Chrysotile asbestos content. The laboratory analyst point counted this sample using EPA 600/R-93/116 method with 1,000 point count.

6.0 ASBESTOS IDENTIFICATION

Based upon the analytical results, asbestos is present in two hundred and twenty-three (223) of the samples analyzed, of which all one hundred and seventy-three (173) of the samples were considered to be non-friable materials and fifty (50) were considered to be friable. These samples were obtained from the 9" x 9" red/brown streaked resilient flooring/resilient floor mastic, 9"x 9" blue/gray streaked resilient flooring/resilient floor mastic, 9" x 9" gray speckled resilient flooring/resilient floor mastic, 9"x 9" white with blue speckled resilient flooring/resilient floor mastic, 9"x 9" brown streaked resilient flooring/resilient floor mastic, 9"x 9" gray streaked resilient flooring/resilient floor mastic, 9"x 9" light tan resilient flooring/resilient floor mastic, 9"x 9" orange/brown resilient flooring/resilient floor mastic, gray roof penetration mastic, white roof penetration mastic, black roof penetration mastic, 1'x1' ceiling tile with hockey puck mastic, plaster on buttonboard, drywall with joint compound, 9" diameter transite pipe, vibration collar, 4" thermal system insulation (tsi) pipe elbow, 4" thermal system insulation (tsi) pipe run, carpet glue over resilient flooring, 9"x 9" brown with rainbow speckled resilient flooring/resilient floor mastic, 9"x 9" light tan with speckled resilient flooring/resilient floor mastic, 9"x 9" dark tan resilient flooring/resilient floor mastic, 9"x 9" tan resilient flooring/resilient floor mastic, 9"x 9" brown/tan streaked resilient flooring/resilient floor mastic, 9"x 9" light brown with tan streak resilient flooring/resilient floor mastic, 9"x 9" light gray speckled resilient flooring/resilient floor mastic, 9"x 9" dark gray with pink streak resilient flooring/resilient floor mastic, 9"x 9" green resilient flooring/resilient floor mastic, 9"x 9" orange resilient flooring/resilient floor mastic, 9"x 9" dark tan with speckled flooring/resilient floor mastic, 12"x 12" orange resilient flooring/resilient floor mastic, 9"x 9" light gray streaked resilient flooring/resilient floor mastic, 9"x 9" brown with white streaked resilient flooring/resilient floor mastic, 9"x 9" tan speckled resilient flooring/resilient floor mastic, 9"x 9" white with blue streaked resilient flooring/resilient floor mastic, 9"x 9" white speckled resilient flooring/resilient floor mastic, 9"x 9" gray with white streaked resilient flooring/resilient floor mastic, 12"x 12" white resilient flooring/resilient floor mastic, 9"x 9" gray with pink streaked resilient flooring/resilient floor mastic and thermal system insulation (tsi) debris.

Based upon the analytical results, asbestos is present in the following material:

<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Asbestos Type - Percentage</u>	<u>Asbestos Layer</u>	<u>Est. Qty.</u>
202117-A-0004	9" x 9" Red/Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 302	Chrysotile - 2 %	Tan Homogeneous Non-Fibrous Floor Tile, Black Homogenous Non-Fibrous Mastic	100 SF
202117-A-0005	9" x 9" Red/Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 302	Chrysotile - 2 %	Tan Homogeneous Non-Fibrous Floor Tile, Black Homogenous Non-Fibrous Mastic	See 04
202117-A-0006	9" x 9" Red/Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 302	Chrysotile - 3 %	Tan Homogeneous Non-Fibrous Floor Tile, Black Homogenous Non-Fibrous Mastic	See 04
202117-A-0007	9"x 9" Blue/Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 304	Chrysotile - 2 %	Black Homogenous Non-Fibrous Mastic	200 SF
202117-A-0008	9"x 9" Blue/Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 304	Chrysotile - 2 %	Black Homogenous Non-Fibrous Mastic	See 07
202117-A-0009	9"x 9" Blue/Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 304	Chrysotile - 2 %	Black Homogenous Non-Fibrous Mastic	See 07
202117-A-0010	9" x 9" Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 304	Chrysotile - 2 %	Black, Yellow Homogenous Non-Fibrous Mastic	200 SF
202117-A-0011	9" x 9" Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 304	Chrysotile - <1 %	Black, Yellow Homogenous Non-Fibrous Mastic	See 10
202117-A-0012	9" x 9" Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 304	Chrysotile - 2 %	Black, Yellow Homogenous Non-Fibrous Mastic	See 10
202117-A-0013	9"x 9" White with Blue Speckled Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 301	Chrysotile - 2 %	Black, Yellow Homogenous Non-Fibrous Mastic	100 SF
202117-A-0014	9"x 9" White with Blue Speckled Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 304	Chrysotile - 2 %	Black, Yellow Homogenous Non-Fibrous Mastic	See 13
202117-A-0015	9"x 9" White with Blue Speckled Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 301	Chrysotile - 2 %	Black, Yellow Homogenous Non-Fibrous Mastic	See 13
202117-A-0016	9"x 9" Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 302	Chrysotile - 3 %	Tan Homogeneous Non-Fibrous Floor Tile, Black Homogenous Non-Fibrous Mastic	800 SF
202117-A-0017	9"x 9" Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 302	Chrysotile - 3 %	Tan Homogeneous Non-Fibrous Floor Tile, Black Homogenous Non-Fibrous Mastic	See 16
202117-A-0018	9"x 9" Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 302	Chrysotile - 3 %	Tan Homogeneous Non-Fibrous Floor Tile, Black Homogenous Non-Fibrous Mastic	See 16

<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Asbestos Type - Percentage</u>	<u>Asbestos Layer</u>	<u>Est. Qty.</u>
202117-A-0019	9"x 9" Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 301	Chrysotile - 2 %	Gray Homogeneous Non-Fibrous Floor Tile, Black Homogenous Non-Fibrous Mastic	800 SF
202117-A-0020	9"x 9" Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 301	Chrysotile - 2 %	Gray Homogeneous Non-Fibrous Floor Tile, Black Homogenous Non-Fibrous Mastic	See 19
202117-A-0021	9"x 9" Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 301	Chrysotile - 2 %	Gray Homogeneous Non-Fibrous Floor Tile, Black Homogenous Non-Fibrous Mastic	See 19
202117-A-0022	9"x 9" Light Tan Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 301	Chrysotile - 2 %	Black, Yellow Homogenous Non-Fibrous Mastic	200 SF
202117-A-0023	9"x 9" Light Tan Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 301	Chrysotile - 2 %	Black, Yellow Homogenous Non-Fibrous Mastic	See 22
202117-A-0024	9"x 9" Light Tan Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 301	Chrysotile - 2 %	Black, Yellow Homogenous Non-Fibrous Mastic	See 22
202117-A-0025	9"x 9" Orange/Brown Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 304	Chrysotile - 2 %	Tan Homogeneous Non-Fibrous Floor Tile, Black Homogenous Non-Fibrous Mastic	800 SF
202117-A-0026	9"x 9" Orange/Brown Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 304	Chrysotile - 2 %	Tan Homogeneous Non-Fibrous Floor Tile, Black Homogenous Non-Fibrous Mastic	See 25
202117-A-0027	9"x 9" Orange/Brown Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 304	Chrysotile - 2 %	Tan Homogeneous Non-Fibrous Floor Tile, Black Homogenous Non-Fibrous Mastic	See 25
202117-A-0035	Gray Roof Penetration Mastic	Building 3, Roof	Chrysotile - 2 %	Black, Gray Homogenous Non-Fibrous Mastic	20 SF
202117-A-0036	Gray Roof Penetration Mastic	Building 3, Roof	Chrysotile - 2 %	Black, Gray Homogenous Non-Fibrous Mastic	See 35
202117-A-0037	Gray Roof Penetration Mastic	Building 3, Roof	Chrysotile - 2 %	Black, Gray Homogenous Non-Fibrous Mastic	See 35
202117-A-0041	White Roof Penetration Mastic	Building 3, Roof	Chrysotile - 2 %	Black, White Homogenous Non-Fibrous Mastic	20 SF
202117-A-0042	White Roof Penetration Mastic	Building 3, Roof	Chrysotile - 2 %	Black, White Homogenous Non-Fibrous Mastic	See 41
202117-A-0043	White Roof Penetration Mastic	Building 3, Roof	Chrysotile - 2 %	Black, White Homogenous Non-Fibrous Mastic	See 41
202117-A-0054	Gray Roof Penetration Mastic	Building 4, Roof	Chrysotile - 2 %	Black Homogenous Non-Fibrous Mastic	20 SF
202117-A-0055	Gray Roof Penetration Mastic	Building 4, Roof	Chrysotile - 2 %	Black Homogenous Non-Fibrous Mastic	See 54

<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Asbestos Type - Percentage</u>	<u>Asbestos Layer</u>	<u>Est. Qty.</u>
202117-A-0056	Gray Roof Penetration Mastic	Building 4, Roof	Chrysotile - 2 %	Black Homogenous Non-Fibrous Mastic	See 54
202117-A-0057	Black Roof Penetration Mastic	Building 4, Roof	Chrysotile - 2 %	Black Homogenous Non-Fibrous Mastic	20 SF
202117-A-0058	Black Roof Penetration Mastic	Building 4, Roof	Chrysotile - 2 %	Black Homogenous Non-Fibrous Mastic	See 57
202117-A-0059	Black Roof Penetration Mastic	Building 4, Roof	Chrysotile - 2 %	Black Homogenous Non-Fibrous Mastic	See 57
202117-A-0070	Gray Roof Penetration Mastic	Administration Building, Roof	Chrysotile - 2 %	Black, Gray Homogenous Non-Fibrous Mastic	40 SF
202117-A-0071	Gray Roof Penetration Mastic	Administration Building, Roof	Chrysotile - 2 %	Black, Gray Homogenous Non-Fibrous Mastic	See 70
202117-A-0072	Gray Roof Penetration Mastic	Administration Building, Roof	Chrysotile - 2 %	Black, Gray Homogenous Non-Fibrous Mastic	See 70
202117-A-0073	White Roof Penetration Mastic	Administration Building, Roof	Chrysotile - 2 %	Black, White Homogenous Non-Fibrous Mastic	40 SF
202117-A-0074	White Roof Penetration Mastic	Administration Building, Roof	Chrysotile - 2 %	Black, White Homogenous Non-Fibrous Mastic	See 73
202117-A-0075	White Roof Penetration Mastic	Multi-Purpose Building, Roof	Chrysotile - 2 %	Black, White Homogenous Non-Fibrous Mastic	See 73
202117-A-0086	Gray Roof Penetration Mastic	Building 5, Roof	Chrysotile - 2 %	Black, Gray Homogenous Non-Fibrous Mastic	20 SF
202117-A-0087	Gray Roof Penetration Mastic	Building 5, Roof	Chrysotile - 2 %	Black, Gray Homogenous Non-Fibrous Mastic	See 86
202117-A-0088	Gray Roof Penetration Mastic	Building 5, Roof	Chrysotile - 2 %	Black, Gray Homogenous Non-Fibrous Mastic	See 86
202117-A-0102	Gray Roof Penetration Mastic	Building 1, Roof	Chrysotile - 2 %	Black Homogenous Non-Fibrous Mastic	20 SF
202117-A-0103	Gray Roof Penetration Mastic	Building 1, Roof	Chrysotile - 2 %	Black Homogenous Non-Fibrous Mastic	See 102
202117-A-0104	Gray Roof Penetration Mastic	Building 1, Roof	Chrysotile - 2 %	Black Homogenous Non-Fibrous Mastic	See 102
202117-A-0105	White Roof Penetration Mastic	Building 1, Roof	Chrysotile - 2 %	Black Homogenous Non-Fibrous Mastic	20 SF
202117-A-0106	White Roof Penetration Mastic	Building 1, Roof	Chrysotile - 2 %	Black Homogenous Non-Fibrous Mastic	See 105
202117-A-0107	White Roof Penetration Mastic	Building 1, Roof	Chrysotile - 2 %	Black Homogenous Non-Fibrous Mastic	See 105
202117-A-0118	Gray Roof Penetration Mastic	Building 2, Roof	Chrysotile - 2 %	Black Homogenous Non-Fibrous Mastic	20 SF
202117-A-0119	Gray Roof Penetration Mastic	Building 2, Roof	Chrysotile - 2 %	Black Homogenous Non-Fibrous Mastic	See 119

<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Asbestos Type - Percentage</u>	<u>Asbestos Layer</u>	<u>Est. Qty.</u>
202117-A-0121	White Roof Penetration Mastic	Building 2, Roof	Chrysotile - 2 %	Black Homogenous Non-Fibrous Mastic	20 SF
202117-A-0122	White Roof Penetration Mastic	Building 2, Roof	Chrysotile - 2 %	Black Homogenous Non-Fibrous Mastic	See 121
202117-A-0123	White Roof Penetration Mastic	Building 2, Roof	Chrysotile - 2 %	Black Homogenous Non-Fibrous Mastic	See 121
202117-A-0229	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 1, Boy's Restroom	Actinolite - <1 % Point Count – 0.4 %	Brown Homogenous Non-Fibrous Mastic	4,000 SF
202117-A-0230	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 1, Boy's Restroom	Actinolite - <1 % Point Count – 0.6 %	Brown Homogenous Non-Fibrous Mastic	See 229
202117-A-0231	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 1, Boy's Restroom	Actinolite - <1 % Point Count – 0.4 %	Brown Homogenous Non-Fibrous Mastic	See 229
202117-A-0232	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 1, Boy's Restroom	Actinolite - <1 % Point Count – 0.7 %	Brown Homogenous Non-Fibrous Mastic	See 229
202117-A-0233	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 1, Classroom 102, Wall	Actinolite - <1 % Point Count – 0.6 %	Brown Homogenous Non-Fibrous Mastic	See 229
202117-A-0234	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 2, Girl's Restroom	Actinolite - <1 % Point Count – 0.8 %	Brown Homogenous Non-Fibrous Mastic	4,000 SF
202117-A-0235	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 2, Girl's Restroom	Actinolite - <1 % Point Count – 0.6 %	Brown Homogenous Non-Fibrous Mastic	See 234
202117-A-0236	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 2, Classroom 203, Wall	Actinolite - <1 % Point Count – 0.6 %	Brown Homogenous Non-Fibrous Mastic	See 234
202117-A-0237	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 2, Classroom 203, Wall	Actinolite - <1 % Point Count – 0.7 %	Brown Homogenous Non-Fibrous Mastic	See 234
202117-A-0238	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 2, Classroom 203, Wall	Actinolite - <1 % Point Count – 0.8 %	Brown Homogenous Non-Fibrous Mastic	See 234
202117-A-0239	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 3, Girl's Restroom	Actinolite - <1 % Point Count – 0.7 %	Brown Homogenous Non-Fibrous Mastic	4,000 SF
202117-A-0240	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 3, Girl's Restroom	Actinolite - <1 % Point Count – 0.2 %	Brown Homogenous Non-Fibrous Mastic	See 239
202117-A-0241	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 3, Girl's Restroom	Actinolite - <1 % Point Count – 0.9 %	Brown Homogenous Non-Fibrous Mastic	See 239
202117-A-0242	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 3, Classroom 301	Actinolite - <1 % Point Count – 0.6 %	Brown Homogenous Non-Fibrous Mastic	See 239
202117-A-0243	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 3, Classroom 301	Actinolite - <1 % Point Count – 0.5 %	Brown Homogenous Non-Fibrous Mastic	See 239
202117-A-0244	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 4, Boy's Restroom	Actinolite - <1 % Point Count – 0.3 %	Brown Homogenous Non-Fibrous Mastic	4,000 SF

<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Asbestos Type - Percentage</u>	<u>Asbestos Layer</u>	<u>Est. Qty.</u>
202117-A-0245	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 4, Boy's Restroom	Actinolite - <1 % Point Count – 0.5 %	Brown Homogenous Non-Fibrous Mastic	See 244
202117-A-0246	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 4, Boy's Restroom	Actinolite - <1 % Point Count – 0.6 %	Brown Homogenous Non-Fibrous Mastic	See 244
202117-A-0247	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 4, Classroom 403, Wall	Actinolite - <1 % Point Count – 0.6 %	Brown Homogenous Non-Fibrous Mastic	See 244
202117-A-0248	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 4, Classroom 403, Wall	Actinolite - <1 % Point Count – 0.5 %	Brown Homogenous Non-Fibrous Mastic	See 244
202117-A-0249	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 5, Boy's Restroom	Actinolite - <1 % Point Count – 0.5 %	Brown Homogenous Non-Fibrous Mastic	4,000 SF
202117-A-0250	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 5, Boy's Restroom	Actinolite - <1 % Point Count – 0.9 %	Brown Homogenous Non-Fibrous Mastic	See 249
202117-A-0251	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 5, Classroom 502, Wall	Actinolite - <1 % Point Count – 0.7 %	Brown Homogenous Non-Fibrous Mastic	See 249
202117-A-0252	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 5, Classroom 503 Wall	Actinolite - <1 % Point Count – 0.5 %	Brown Homogenous Non-Fibrous Mastic	See 249
202117-A-0253	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 5, Girl's Restroom	Actinolite - <1 % Point Count – 0.8 %	Brown Homogenous Non-Fibrous Mastic	See 249
202117-A-0305	Gray Roof Penetration Mastic	Portico Walkway, Roof	Chrysotile - 2 %	Black Gray Homogeneous Non-Fibrous Mastic	200 SF
202117-A-0306	Gray Roof Penetration Mastic	Portico Walkway, Roof	Chrysotile - 2 %	Black Gray Homogeneous Non-Fibrous Mastic	See 305
202117-A-0307	Gray Roof Penetration Mastic	Portico Walkway, Roof	Chrysotile - 2 %	Black Gray Homogeneous Non-Fibrous Mastic	See 305
202117-A-0342	Plaster on Buttonboard	Building 3, Electrical Room	Chrysotile - <1 % Point Count – 0.5%	White Homogeneous Non-Fibrous Skim Coat	7,000 SF
202117-A-0348	Plaster on Buttonboard	Building 4, Boy's Restroom	Chrysotile - <1 % Point Count – 0.6%	White Homogeneous Non-Fibrous Skim Coat	7,000 SF
202117-A-0376	Drywall with Joint Compound	Building 2, Electrical Room	Chrysotile - <1 % Point Count - <0.1%	White Homogeneous Non-Fibrous Joint Compound	950 SF
202117-A-0377	Drywall with Joint Compound	Building 2, Electrical Room	Chrysotile - <1 % Point Count - <0.1%	White Homogeneous Non-Fibrous Joint Compound	See 376
202117-A-0378	Drywall with Joint Compound	Building 2, Electrical Room	Chrysotile - <1 % Point Count – 0.6%	White Homogeneous Non-Fibrous Joint Compound	See 376
202117-A-0379	Drywall with Joint Compound	Building 3, Girl's Restroom	Chrysotile - <1 % Point Count – 0.5%	White Homogeneous Non-Fibrous Joint Compound	1,500 SF

<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Asbestos Type - Percentage</u>	<u>Asbestos Layer</u>	<u>Est. Qty.</u>
202117-A-0380	Drywall with Joint Compound	Building 3, Girl's Restroom	Chrysotile - <1 % Point Count – 0.8%	White Homogeneous Non-Fibrous Joint Compound	See 379
202117-A-0384	Drywall with Joint Compound	Building 4, Boy's Restroom	Chrysotile - <1 % Point Count – 0.7%	White Homogeneous Non-Fibrous Joint Compound	1,500 SF
202117-A-0385	Drywall with Joint Compound	Building 4, Boy's Restroom	Chrysotile - <1 % Point Count – 0.9%	White Homogeneous Non-Fibrous Joint Compound	See 384
202117-A-0386	Drywall with Joint Compound	Building 4, Electrical Room	Chrysotile - <1 % Point Count – 0.9%	White Homogeneous Non-Fibrous Joint Compound	See 384
202117-A-0387	Drywall with Joint Compound	Building 4, Electrical Room	Chrysotile - <1 % Point Count – 0.8%	White Homogeneous Non-Fibrous Joint Compound	See 384
202117-A-0388	Drywall with Joint Compound	Building 4, Electrical Room	Chrysotile - <1 % Point Count – 0.9%	White Homogeneous Non-Fibrous Joint Compound	See 384
202117-A-0432	9" Diameter Transite Pipe	Northeast Portico, Roof	Chrysotile - 20 % Crocidolite - 15 %	Gray Homogeneous Non-Fibrous Transite Pipe	8 SF
202117-A-0433	9" Diameter Transite Pipe	Northeast Portico, Roof	Chrysotile - 20 % Crocidolite - 15 %	Gray Homogeneous Non-Fibrous Transite Pipe	See 432
202117-A-0434	9" Diameter Transite Pipe	Northeast Portico, Roof	Chrysotile - 20 % Crocidolite - 15 %	Gray Homogeneous Non-Fibrous Transite Pipe	See 432
202117-A-0522	Vibration Collar	Multi-Purpose Building, Attic	Chrysotile - 10 %	White Homogeneous Fibrous Vibration Collar	10 SF
202117-A-0523	Vibration Collar	Multi-Purpose Building, Attic	Chrysotile - 10 %	White Homogeneous Fibrous Vibration Collar	See 522
202117-A-0524	Vibration Collar	Multi-Purpose Building, Attic	Chrysotile - 10 %	White Homogeneous Fibrous Vibration Collar	See 522
202117-A-0525	4" Thermal System Insulation Pipe Run (TSI)	Multi-Purpose Building, Attic	Amosite - 15 % Crocidolite - 10 %	White Homogeneous Fibrous Insulation Pipe Run	50 SF
202117-A-0526	4" Thermal System Insulation Pipe Run (TSI)	Multi-Purpose Building, Attic	Amosite - 15 % Crocidolite - 10 %	White Homogeneous Fibrous Insulation Pipe Run	See 525
202117-A-0527	4" Thermal System Insulation Pipe Run (TSI)	Multi-Purpose Building, Attic	Amosite - 15 % Crocidolite - 10 %	White Homogeneous Fibrous Insulation Pipe Run	See 525
202117-A-0528	4" Thermal System Insulation Elbow	Multi-Purpose Building, Custodian Closet	Amosite - 10 % Crocidolite - 10 %	White Homogeneous Fibrous Insulation Elbow	10 SF
202117-A-0529	4" Thermal System Insulation Elbow	Multi-Purpose Building, Custodian Closet	Amosite - 10 % Crocidolite - 10 %	White Homogeneous Fibrous Insulation Elbow	See 528
202117-A-0530	4" Thermal System Insulation Elbow	Multi-Purpose Building, Custodian Closet	Amosite - 10 % Crocidolite - 10 %	White Homogeneous Fibrous Insulation Elbow	See 528

<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Asbestos Type - Percentage</u>	<u>Asbestos Layer</u>	<u>Est. Qty.</u>
202117-A-0531	4" Thermal System Insulation Pipe Run (TSI)	Multi-Purpose Building, Custodian Closet	Amosite - 15 % Crocidolite - 10 %	White Homogeneous Fibrous Insulation Pipe Run	10 SF
202117-A-0532	4" Thermal System Insulation Pipe Run (TSI)	Multi-Purpose Building, Custodian Closet	Amosite - 15 % Crocidolite - 10 %	White Homogeneous Fibrous Insulation Pipe Run	See 531
202117-A-0533	4" Thermal System Insulation Pipe Run (TSI)	Multi-Purpose Building, Custodian Closet	Amosite - 15 % Crocidolite - 10 %	White Homogeneous Fibrous Insulation Pipe Run	See 531
202117-A-0534	4" Thermal System Insulation Elbow	Multi-Purpose Building, Attic	Amosite - 10 % Crocidolite - 5 %	White Homogeneous Fibrous Insulation Elbow	10 SF
202117-A-0535	4" Thermal System Insulation Elbow	Multi-Purpose Building, Attic	Amosite - 10 % Crocidolite - 5 %	White Homogeneous Fibrous Insulation Elbow	See 534
202117-A-0536	4" Thermal System Insulation Elbow	Multi-Purpose Building, Attic	Amosite - 10 % Crocidolite - 5 %	White Homogeneous Fibrous Insulation Elbow	See 534
202117-A-0537	4" Thermal System Insulation Pipe Run (TSI)	Administration Building, Attic	Amosite - 15 % Crocidolite - 10 %	White Homogeneous Fibrous Insulation Pipe Run	30 SF
202117-A-0538	4" Thermal System Insulation Pipe Run (TSI)	Administration Building, Attic	Amosite - 15 % Crocidolite - 10 %	White Homogeneous Fibrous Insulation Pipe Run	See 537
202117-A-0539	4" Thermal System Insulation Pipe Run (TSI)	Administration Building, Attic	Amosite - 15 % Crocidolite - 10 %	White Homogeneous Fibrous Insulation Pipe Run	See 537
202117-A-0540	4" Thermal System Insulation Elbow	Administration Building, Attic	Amosite - 10 % Crocidolite - 5 %	White Homogeneous Fibrous Insulation Elbow	10 SF
202117-A-0541	4" Thermal System Insulation Elbow	Administration Building, Attic	Amosite - 10 % Crocidolite - 5 %	White Homogeneous Fibrous Insulation Elbow	See 540
202117-A-0542	4" Thermal System Insulation Elbow	Administration Building, Attic	Amosite - 10 % Crocidolite - 5 %	White Homogeneous Fibrous Insulation Elbow	See 540
202117-A-0550	Carpet Glue over Resilient Flooring	Kindergarten Building, Kindergarten 1	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	4,000 SF
202117-A-0551	Carpet Glue over Resilient Flooring	Kindergarten Building, Kindergarten 2	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	See 550
202117-A-0552	Carpet Glue over Resilient Flooring	Kindergarten Building, Kindergarten 2	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	See 550
202117-A-0555	9"x 9" Brown with Rainbow Speckled Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Kindergarten 1	Chrysotile - 2 % , Chrysotile - 2 %	Tan Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	2,000 SF
202117-A-0556	9"x 9" Brown with Rainbow Speckled Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Kindergarten 1	Chrysotile - 2 % , Chrysotile - 3 %	Beige Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	See 555
202117-A-0557	9"x 9" Brown with Rainbow Speckled Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Kindergarten 1	Chrysotile - 2 % , Chrysotile - 3 %	Beige Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	See 555

<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Asbestos Type - Percentage</u>	<u>Asbestos Layer</u>	<u>Est. Qty.</u>
202117-A-0558	9"x 9" Brown with Rainbow Speckled Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Kindergarten 2	Chrysotile - 2 %, Chrysotile - 3 %	Beige Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	See 555
202117-A-0559	9"x 9" Brown with Rainbow Speckled Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Kindergarten 2	Chrysotile - 2 %, Chrysotile - 3 %	Beige Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	See 555
202117-A-0560	9"x 9" Light Tan with Speckled Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Kindergarten 2	Chrysotile - 2 % , Chrysotile - 3 %	Beige Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	200 SF
202117-A-0561	9"x 9" Light Tan with Speckled Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Kindergarten 1	Chrysotile - 3 %	Black Homogeneous Non-Fibrous Mastic	See 560
202117-A-0562	9"x 9" Light Tan with Speckled Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Kindergarten 1	Chrysotile - 3 %	Black Homogeneous Non-Fibrous Mastic	See 560
202117-A-0563	9"x 9" Dark Tan Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Kindergarten 1	Chrysotile - 3 %	Black Homogeneous Non-Fibrous Mastic	200 SF
202117-A-0564	9"x 9" Dark Tan Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Kindergarten 1	Chrysotile - 3 %	Black Homogeneous Non-Fibrous Mastic	See 563
202117-A-0565	9"x 9" Dark Tan Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Kindergarten 2	Chrysotile - 3 %	Black Homogeneous Non-Fibrous Mastic	See 563
202117-A-0566	9"x 9" Tan Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Kindergarten 2	Chrysotile - 3 %	Black Homogeneous Non-Fibrous Mastic	200 SF
202117-A-0567	9"x 9" Tan Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Kindergarten 2	Chrysotile - 3 %	Black Homogeneous Non-Fibrous Mastic	See 566
202117-A-0568	9"x 9" Tan Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Kindergarten 2	Chrysotile - 3 %	Black Homogeneous Non-Fibrous Mastic	See 566
202117-A-0569	9"x 9" Brown/Tan Streaked Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 103	Chrysotile - 2 %, Chrysotile - 3 %	Tan Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	250 SF
202117-A-0570	9"x 9" Brown/Tan Streaked Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 103	Chrysotile - 2 %, Chrysotile - 3 %	Tan Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	See 569
202117-A-0571	9"x 9" Brown/Tan Streaked Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 103	Chrysotile - 2 %, Chrysotile - 3 %	Tan Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	See 569
202117-A-0572	9"x 9" Light Brown with Tan Streak Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 104	Chrysotile - 2 %, Chrysotile - 3 %	Tan Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	250 SF

<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Asbestos Type - Percentage</u>	<u>Asbestos Layer</u>	<u>Est. Qty.</u>
202117-A-0573	9"x 9" Light Brown with Tan Streak Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 104	Chrysotile - 2 %, Chrysotile - 3 %	Tan Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	See 572
202117-A-0574	9"x 9" Light Brown with Tan Streak Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 104	Chrysotile - 2 %, Chrysotile - 3 %	Tan Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	See 572
202117-A-0575	9"x 9" Light Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 104	Chrysotile - 2 %	Black Yellow Homogeneous Non-Fibrous Mastic	250 SF
202117-A-0576	9"x 9" Light Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 104	Chrysotile - 2 %	Black Yellow Homogeneous Non-Fibrous Mastic	See 575
202117-A-0577	9"x 9" Light Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 103	Chrysotile - 2 %	Black Yellow Homogeneous Non-Fibrous Mastic	See 575
202117-A-0578	9"x 9" Dark Gray with Pink Streak Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 103	Chrysotile - 2 % , Chrysotile - 3 %	Tan Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	250 SF
202117-A-0579	9"x 9" Dark Gray with Pink Streak Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 104	Chrysotile - 2 % , Chrysotile - 3 %	Tan Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	See 578
202117-A-0580	9"x 9" Dark Gray with Pink Streak Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 103	Chrysotile - 2 % , Chrysotile - 3 %	Tan Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	See 578
202117-A-0581	9"x 9" Green Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 102	Chrysotile - <1 % Point Count - <0.1 %	Green Homogeneous Non-Fibrous Floor Tile	250 SF
202117-A-0582	9"x 9" Green Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 103	Chrysotile - <1 % Point Count - <0.1 %	Green Homogeneous Non-Fibrous Floor Tile	See 581
202117-A-0583	9"x 9" Green Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 103	Chrysotile - <1 % Point Count - <0.1 %	Green Homogeneous Non-Fibrous Floor Tile	See 581
202117-A-0584	9"x 9" Orange Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 103	Chrysotile - 2 % , Chrysotile - 3 %	Tan Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	250 SF
202117-A-0585	9"x 9" Orange Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 103	Chrysotile - 2 % , Chrysotile - 3 %	Tan Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	See 584
202117-A-0586	9"x 9" Orange Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 102	Chrysotile - 2 % , Chrysotile - 3 %	Tan Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	See 584
202117-A-0589	9"x 9" Dark Tan with Speckled Flooring/Resilient Floor Mastic	Building 1, Classroom 102	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	250 SF

<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Asbestos Type - Percentage</u>	<u>Asbestos Layer</u>	<u>Est. Qty.</u>
202117-A-0590	9"x 9" Light Tan with Speckled Flooring/Resilient Floor Mastic	Building 1, Classroom 102	Chrysotile - 3 %	Black Yellow Homogeneous Non-Fibrous Mastic	250 SF
202117-A-0591	9"x 9" Light Tan with Speckled Flooring/Resilient Floor Mastic	Building 1, Classroom 102	Chrysotile - 3 %	Black Yellow Homogeneous Non-Fibrous Mastic	See 590
202117-A-0592	9"x 9" Light Tan with Speckled Flooring/Resilient Floor Mastic	Building 1, Classroom 102	Chrysotile - 3 %	Black Yellow Homogeneous Non-Fibrous Mastic	See 590
202117-A-0595	12"x 12" Orange Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 103	Chrysotile - <1 % Point Count – 0.8 %	Black Yellow Homogeneous Non-Fibrous Mastic	See 593
202117-A-0599	9"x 9" Dark Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 5, Classroom 501	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	250 SF
202117-A-0600	9"x 9" Dark Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 5, Classroom 501	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	See 599
202117-A-0601	9"x 9" Dark Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 5, Classroom 501	Chrysotile - 2 %, Chrysotile - 2 %	Gray Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	See 599
202117-A-0602	9"x 9" Light Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 5, Classroom 501	Chrysotile - 2 %, Chrysotile - 2 %	Gray Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	250 SF
202117-A-0603	9"x 9" Light Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 5, Classroom 501	Chrysotile - 2 %, Chrysotile - 2 %	Gray Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	See 602
202117-A-0604	9"x 9" Light Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 5, Classroom 501	Chrysotile - 2 %, Chrysotile - 2 %	Gray Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	See 602
202117-A-0605	Carpet Glue over Resilient Flooring	Building 5, Classroom 502	Chrysotile - 2 %,	Black Homogeneous Non-Fibrous Mastic	5,050 SF
202117-A-0606	Carpet Glue over Resilient Flooring	Building 5, Classroom 502	Chrysotile - 2 %,	Black Homogeneous Non-Fibrous Mastic	See 605
202117-A-0607	Carpet Glue over Resilient Flooring	Building 5, Classroom 502	Chrysotile - 2 % , Chrysotile - 3 %	Tan Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	See 605
202117-A-0608	Carpet Glue over Resilient Flooring	Building 5, Classroom 502	Chrysotile - 2 % , Chrysotile - 3 %	Tan Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	See 605
202117-A-0609	Carpet Glue over Resilient Flooring	Building 5, Classroom 503	Chrysotile - 2 % , Chrysotile - 3 %	Tan Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	See 605
202117-A-0610	Carpet Glue over Resilient Flooring	Building 5, Classroom 503	Chrysotile - 2 % , Chrysotile - 2 %	Tan Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	See 605

<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Asbestos Type - Percentage</u>	<u>Asbestos Layer</u>	<u>Est. Qty.</u>
202117-A-0611	Carpet Glue over Resilient Flooring	Building 5, Classroom 503	Chrysotile - 2 % , Chrysotile - 2 %	Tan Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	See 605
202117-A-0612	9"x 9" Brown with White Streaked Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	2,500 SF
202117-A-0613	9"x 9" Brown with White Streaked Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	See 612
202117-A-0614	9"x 9" Brown with White Streaked Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	See 612
202117-A-0615	9"x 9" Brown with White Streaked Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	See 612
202117-A-0616	9"x 9" Brown with White Streaked Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	See 612
202117-A-0617	9"x 9" Tan Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	250 SF
202117-A-0618	9"x 9" Tan Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	See 617
202117-A-0619	9"x 9" Tan Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	See 617
202117-A-0620	9"x 9" Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	250 SF
202117-A-0621	9"x 9" Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	See 620
202117-A-0622	9"x 9" Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	See 620
202117-A-0623	9"x 9" White with Blue Streaked Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	250 SF
202117-A-0624	9"x 9" White with Blue Streaked Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	See 623
202117-A-0625	9"x 9" White with Blue Streaked Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	See 623

<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Asbestos Type - Percentage</u>	<u>Asbestos Layer</u>	<u>Est. Qty.</u>
202117-A-0626	9"x 9" Dark Gray with Pink Streaked Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Chrysotile - 2 % , Chrysotile - 3 %	Gray Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	250 SF
202117-A-0627	9"x 9" Dark Gray with Pink Streaked Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Chrysotile - 2 % , Chrysotile - 3 %	Gray Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	See 626
202117-A-0628	9"x 9" Dark Gray with Pink Streaked Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Chrysotile - 2 % , Chrysotile - 3 %	Gray Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	See 626
202117-A-0629	9"x 9" White Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	250 SF
202117-A-0630	9"x 9" White Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	See 629
202117-A-0631	9"x 9" White Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	See 629
202117-A-0632	9"x 9" Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 401	Chrysotile - 3 %	Black Homogeneous Non-Fibrous Mastic	250 SF
202117-A-0633	9"x 9" Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 401	Chrysotile - 3 %	Black Homogeneous Non-Fibrous Mastic	See 632
202117-A-0634	9"x 9" Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 401	Chrysotile - 3 %	Black Homogeneous Non-Fibrous Mastic	See 632
202117-A-0635	9"x 9" Gray with White Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 402	Chrysotile - 2 % , Chrysotile - 2 %	Gray Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	300 SF
202117-A-0636	9"x 9" Gray with White Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 402	Chrysotile - 2 % , Chrysotile - 2 %	Gray Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	See 635
202117-A-0637	9"x 9" Gray with White Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 402	Chrysotile - 2 % , Chrysotile - 2 %	Gray Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	See 635
202117-A-0638	9"x 9" White with Blue Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 403	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	250 SF
202117-A-0639	9"x 9" White with Blue Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 403	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	See 638
202117-A-0640	9"x 9" White with Blue Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 403	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	See 638

<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Asbestos Type - Percentage</u>	<u>Asbestos Layer</u>	<u>Est. Qty.</u>
202117-A-0641	9"x 9" Orange Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 403	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	250 SF
202117-A-0642	9"x 9" Orange Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 403	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	See 641
202117-A-0643	9"x 9" Orange Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 403	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	See 641
202117-A-0647	9"x 9" Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 401	Chrysotile - 2 %, Chrysotile - 3 %	Gray Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	300 SF
202117-A-0648	9"x 9" Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 401	Chrysotile - 2 %, Chrysotile - 3 %	Gray Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	See 647
202117-A-0649	9"x 9" Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 401	Chrysotile - 2 %, Chrysotile - 3 %	Gray Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	See 647
202117-A-0650	9"x 9" Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 401	Chrysotile - 2 %	Black Yellow Homogeneous Non-Fibrous Mastic	300 SF
202117-A-0651	9"x 9" Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 401	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	See 650
202117-A-0652	9"x 9" Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 401	Chrysotile - 2 %	Black Yellow Homogeneous Non-Fibrous Mastic	See 650
202117-A-0653	9"x 9" Light Tan Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 403	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	300 SF
202117-A-0654	9"x 9" Light Tan Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 403	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	See 653
202117-A-0655	9"x 9" Light Tan Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 403	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	See 653
202117-A-0659	12"x 12" White Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 401	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	300 SF
202117-A-0660	12"x 12" White Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 401	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	See 659
202117-A-0661	12"x 12" White Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 402	Chrysotile - 2 %	Black Homogeneous Non-Fibrous Mastic	300 SF
202117-A-0662	9"x 9" Gray with Pink Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 402	Chrysotile - 2 %, Chrysotile - 3 %	Gray Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	300 SF

<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Asbestos Type - Percentage</u>	<u>Asbestos Layer</u>	<u>Est. Qty.</u>
202117-A-0663	9"x 9" Gray with Pink Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 402	Chrysotile - 2 %, Chrysotile - 3 %	Gray Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	See 662
202117-A-0664	9"x 9" Gray with Pink Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 402	Chrysotile - 2 %, Chrysotile - 3 %	Gray Homogeneous Non-Fibrous Floor Tile, Black Homogeneous Non-Fibrous Mastic	See 662
202117-A-0665	Thermal System Insulation (TSI) Debris	Multi-Purpose Building, Attic	Amosite - 8 % Crocidolite - 3 %	White Homogeneous Non-Fibrous Debris	20 SF
202117-A-0666	Thermal System Insulation (TSI) Debris	Multi-Purpose Building, Attic	Amosite - 8 % Crocidolite - 3 %	White Homogeneous Non-Fibrous Debris	See 665
202117-A-0667	Thermal System Insulation (TSI) Debris	Multi-Purpose Building, Attic	Amosite - 7 % Crocidolite - 4 %	White Homogeneous Non-Fibrous Debris	See 665

A summary of all suspect materials sampled, friability evaluations, condition ratings and material accessibility for the positive samples is presented on the attached Tables.

The homogenous locations for the material containing asbestos are as follows:

<u>Materials</u>	<u>Material Locations</u>
9" x 9" Red/Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Room 302
9"x 9" Blue/Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Room 301 and 304
9" x 9" Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 3, Room 301, 302, and 304
9"x 9" White with Blue Speckled Resilient Flooring/Resilient Floor Mastic	Building 3, Room 301 and 302
9"x 9" Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Room 302
9"x 9" Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Room 301 and 303
9"x 9" Light Tan Resilient Flooring/Resilient Floor Mastic	Building 3, Room 301
9"x 9" Orange/Brown Resilient Flooring/Resilient Floor Mastic	Building 3, Room 304
Gray Roof Penetration Mastic	Building 3, Roof
White Roof Penetration Mastic	Building 3, Roof
Gray Roof Penetration Mastic	Building 4, Roof
Black Roof Penetration Mastic	Building 4, Roof
Gray Roof Penetration Mastic	Multi-Purpose Building, Administration Building and Kindergarten Building, Roof
White Roof Penetration Mastic	Multi-Purpose Building, Administration Building and Kindergarten Building, Roof
Gray Roof Penetration Mastic	Building 5, Roof
Gray Roof Penetration Mastic	Building 1, Roof

<u>Materials</u>	<u>Material Locations</u>
White Roof Penetration Mastic	Building 1, Roof
Gray Roof Penetration Mastic	Building 2, Roof
White Roof Penetration Mastic	Building 2, Roof
1'x1' Ceiling Tile with Hockey Puck Mastic	Building 1, Classrooms (Walls) and Restroom
1'x1' Ceiling Tile with Hockey Puck Mastic	Building 2, Classrooms (Walls) and Restroom
1'x1' Ceiling Tile with Hockey Puck Mastic	Building 3, Classrooms (Walls) and Restroom
1'x1' Ceiling Tile with Hockey Puck Mastic	Building 4, Classrooms (Walls) and Restroom
1'x1' Ceiling Tile with Hockey Puck Mastic	Building 5, Classrooms (Walls) and Restroom
Gray Roof Penetration Mastic	Portico Walkway, Roof
Plaster on Buttonboard	Building 3, Throughout
Plaster on Buttonboard	Building 4, Throughout
Drywall with Joint Compound	Building 2, Electrical Room
Drywall with Joint Compound	Building 3, Electrical Room and Girl's Restrooms
Drywall with Joint Compound	Building 4, Boy's Restroom and Electrical Room
9" Transite Pipe	Northeast Portico, Roof
Vibration Collar	Multi-Purpose Building, Attic
4" Thermal System Insulation (TSI) Pipe Run	Multi-Purpose Building, Attic
4" Thermal System Insulation Elbow	Multi-Purpose Building, Custodian Closet
4" Thermal System Insulation (TSI) Pipe Run	Multi-Purpose Building, Custodian Closet
4" Thermal System Insulation Elbow	Multi-Purpose Building, Attic
4" Thermal System Insulation Pipe (TSI) Run	Administration Building, Attic
4" Thermal System Insulation (TSI) Elbow	Administration Building, Attic
Carpet Glue over Resilient Flooring	Kindergarten Building, Throughout
9"x 9" Brown with Rainbow Speckled Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Throughout
9"x 9" Light Tan with Speckled Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Throughout
9"x 9" Dark Tan Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Throughout
9"x 9" Tan Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Throughout
9"x 9" Brown/Tan Streaked Resilient Flooring/Resilient Floor Mastic	Building 1, Throughout

<u>Materials</u>	<u>Material Locations</u>
9"x 9" Light Brown with Tan Streak Resilient Flooring/Resilient Floor Mastic	Building 1, Throughout
9"x 9" Light Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 1, Throughout
9"x 9" Dark Gray with Pink Streak Resilient Flooring/Resilient Floor Mastic	Building 1, Throughout
9"x 9" Green Resilient Flooring/Resilient Floor Mastic	Building 1, Throughout
9"x 9" Orange Resilient Flooring/Resilient Floor Mastic	Building 1, Throughout
9"x 9" Dark Tan with Speckled Flooring/Resilient Floor Mastic	Building 1, Throughout
9"x 9" Light Tan with Speckled Flooring/Resilient Floor Mastic	Building 1, Throughout
12"x 12" Orange Resilient Flooring/Resilient Floor Mastic	Building 1, Throughout
9"x 9" Dark Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 5, Throughout
9"x 9" Light Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 5, Throughout
Carpet Glue over Resilient Flooring	Building 5, Throughout
9"x 9" Brown with White Streaked Resilient Flooring/Resilient Floor Mastic	Building 2, Throughout
9"x 9" Tan Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Throughout
9"x 9" Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Throughout
9"x 9" White with Blue Streaked Resilient Flooring/Resilient Floor Mastic	Building 2, Throughout
9"x 9" Dark Gray with Pink Streaked Resilient Flooring/Resilient Floor Mastic	Building 2, Throughout
9"x 9" White Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Throughout
9"x 9" Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Throughout
9"x 9" Gray with White Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Throughout
9"x 9" White with Blue Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Throughout
9"x 9" Orange Resilient Flooring/Resilient Floor Mastic	Building 4, Throughout
9"x 9" Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Throughout
9"x 9" Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 4, Throughout
9"x 9" Light Tan Resilient Flooring/Resilient Floor Mastic	Building 4, Throughout
12"x 12" White Resilient Flooring/Resilient Floor Mastic	Building 4, Throughout

<u>Materials</u>	<u>Material Locations</u>
9"x 9" Gray with Pink Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Throughout
Thermal System Insulation (TSI) Debris	Multi-Purpose Building, Attic

The following material(s) were identified as a PACM: tan vinyl sheeting with mastic and sliding door transite panels incased in metal. Based on the findings of this assessment, I, Robert Williams, CAC #96-1980, am presuming that the tan vinyl sheeting with mastic and sliding door transite panels encased in metal to be asbestos containing and subject to SCAQMD Rule 1403.

<u>Sample Number</u>	<u>Material</u>	<u>Material Locations</u>	<u>Asbestos Type</u>	<u>Est. Qty.</u>
202117-PA-0001	Tan Vinyl Sheeting with Mastic	Restroom Portables	Presumed Asbestos Containing Material	1,700 SF
202117-PA - 0002	Sliding Door Transite Panels Encased in Metal	Building 1	Presumed Asbestos Containing Material	400 SF
202117-PA - 0003	Sliding Door Transite Panels Encased in Metal	Building 2	Presumed Asbestos Containing Material	400 SF
202117-PA - 0004	Sliding Door Transite Panels Encased in Metal	Building 3	Presumed Asbestos Containing Material	400 SF
202117-PA - 0005	Sliding Door Transite Panels Encased in Metal	Building 4	Presumed Asbestos Containing Material	400 SF
202117-PA - 0006	Sliding Door Transite Panels Encased in Metal	Building 5	Presumed Asbestos Containing Material	300 SF
202117-PA - 0007	Sliding Door Transite Panels Encased in Metal	Kindergarten Building	Presumed Asbestos Containing Material	400 SF

On August 28, 2020, the analytical results for the point counting of the two (2) plaster on buttonboard, ten (10) drywall with joint compound, twenty-five (25) 1'x1' ceiling tile with hockey puck mastic, one (1) 12"x 12" orange resilient flooring/resilient floor mastic and three (3) 9"x 9" green resilient flooring/resilient floor mastic samples identified various percentages between 0.4 % and 0.9 % Actinolite and <0.1 % and 0.9 Chrysotile asbestos content.

Asbestos content of less than 1% (which is the federal standard utilized by testing laboratories) is detectable only in trace quantities utilizing PLM methods. The California (CAL/OSHA) definition of ACM is materials that contain greater than 0.1% of asbestos or any detectable asbestos must comply with all applicable provisions. A more definitive analytical method, such as Point Counting (required by SCAQMD/EPA for non-friable materials) or Transmission Electron Microscopy (TEM) analysis, which is capable of detecting asbestos below 1% and analysis of materials that are difficult to analyze through routine PLM analysis is available upon request. TEM analysis is often recommended in samples such as floor tile, which is found to be negative for asbestos content through PLM analysis.

7.0 MATERIAL CONDITION

The building materials identified as ACM's are in good, fair and poor condition and are considered to be friable or non-friable (See Appendix A. Asbestos Bulk Sample Analysis for detailed information).

Materials in good condition have a low exposure potential in their current state. Monitor conditions regularly and maintain all asbestos-containing materials in good (intact) condition.

Materials in fair condition have a moderate exposure potential in their current state and are more likely to deteriorate than materials in good condition. Stabilization of material by properly certified personnel should be conducted to restore material into a good (intact) state.

Materials in poor condition have a high exposure potential in their current state. A project-specific scope of work should be prepared immediately to repair and/or abate damaged materials.

8.0 RECOMMENDATIONS

Proper protective equipment, wet method and respiratory protection, according to CAL-OSHA California Title 8 CCR 1529, must be utilized for this project to ensure worker exposure does not exceed the PEL. However, due to the material being <1%, SCAQMD notification requirements and EPA-RCRA disposal requirements do not apply for the plaster on buttonboard, drywall with joint compound, 1'x1' ceiling tile with hockey puck mastic, 12"x 12" orange resilient flooring/resilient floor mastic and 9"x 9" green resilient flooring/resilient floor mastic.

There are potential liabilities associated with the presence, and removal of ACCM. Precautionary measures, as outlined herein, should be taken in accordance with the guidelines set forth by the EPA, the Occupational Safety and Health Administration (OSHA) and other regulatory agencies.

The following are required work practices for all materials that are ≤0.1% asbestos containing:

1. The contractor who removes the material containing ≤0.1% asbestos content does not have to be California Division of Occupational Safety and Health (CA-DOSH) certified.
2. All materials <1% can be disposed of as construction debris.
3. Utilize wet methods, or wetting agents, to control employee exposures during asbestos handling, removal, cutting, and cleanup, except where employers demonstrate that the use of wet methods is infeasible due to for example, the creation of electrical hazards and equipment malfunction.
4. Conduct prompt clean-up and disposal of wastes and debris contaminated with asbestos in leak-tight containers.
5. Utilization of high-speed abrasive disc saws are only allowed when equipped with point of cut ventilator or enclosures with HEPA filtered exhaust air.
6. Compressed air used to remove asbestos, or materials containing asbestos is prohibited, unless the compressed air is used in conjunction with an enclosed ventilation system designed to capture the dust cloud created by the compressed air.
7. It is prohibited to utilize employee rotation as a means of reducing employee exposure to asbestos.

The following are required work practices for all materials that are >0.1% but <1% asbestos containing:

1. The recommended abatement process is to conduct the removal of the asbestos containing construction material (ACCM), following all OSHA, PPE and Worker Protection requirements.
2. Follow proper engineering and containment controls.
3. Utilize wet methods, or wetting agents, to control employee exposures during asbestos handling, removal, cutting, and cleanup, except where employers demonstrate that the use of wet methods is infeasible due to for example, the creation of electrical hazards and equipment malfunction.
4. Conduct prompt clean-up and disposal of wastes and debris contaminated with asbestos in leak-tight containers.
5. Utilization of high-speed abrasive disc saws are only allowed when equipped with point of cut ventilator or enclosures with HEPA filtered exhaust air.
6. Compressed air used to remove asbestos, or materials containing asbestos is prohibited, unless the compressed air is used in conjunction with an enclosed ventilation system designed to capture the dust cloud created by the compressed air.
7. It is prohibited to utilize employee rotation as a means of reducing employee exposure to asbestos.

The following are required work practices for all materials that are >1% asbestos containing:

Due to the potential hazards of exposure, an Asbestos Management Program (AMP) should be prepared, and implemented, to avoid incidental, and/or accidental disturbance of ACM. The AMP should set forth operational and maintenance guidelines to minimize fiber release, which may be caused by age, normal wear and tear, delamination, building maintenance, repairs, renovation and other activities which may disturb ACM.

Prior to renovations, specifications should be properly modified to incorporate the removal of ACM. If removal of ACBM is required in connection with demolition, renovation, or building repair, such work should only be performed by personnel who are appropriately trained, experienced, and registered.

Intentional disturbance of ACBM should be performed in a manner such that emissions are controlled. Control measures should include, but not be limited to, wet methods; encapsulation, removal with HEPA-filter equipped vacuums, and appropriately labeled polyethylene bags. HVAC systems in work areas where asbestos is to be abated should be deactivated and the register closed and temporarily sealed. Air monitoring relating to such work should be performed by or under the direct supervision of a California State Certified Asbestos Consultant before, during, and after the abatement work, as required by EPA and other regulations.

Due to the findings of our contamination assessment, A-Tech Consulting, Inc. makes the following recommendations:

1. A Procedure No. 5 work plan should be prepared in accordance with the guidelines set forth by the South Coast Air Quality Management District (SCAQMD) and signed by a Certified Asbestos Consultant (CAC).
2. Decontaminate all affected surfaces (walls, flooring, ceiling) and all other non-porous components in the attic space of the MPR Building, above the Kitchen Restroom/Kitchen Restroom Storage Closet, where thermal system insulation (TSI) debris was observed.
3. Any porous material that cannot be sufficiently decontaminated must be disposed of as asbestos-contaminated materials.

Prior to demolition or major construction, specifications should be properly modified to incorporate the removal of ACM.

Note: No persons should access contaminated area or conduct work activities until a Procedure No. 5 clean-up is conducted and the hazards (exposed asbestos containing materials) are abated.

All entry doors should be demarcated with asbestos caution signs. Anyone who enters should do so under PPE. Anyone entering the contaminated area has the potential to be exposed to asbestos dust and must be informed prior to entering. It is recommended that any workers who were involved with disturbing the damaged asbestos containing materials and/or employees who were exposed during this process should receive medical surveillance.

Additionally, all building materials that have been impacted at this location need to be decontaminated (Hepa-Vac and Wet Wiped) prior to use or access. If decontamination of porous materials cannot be achieved, these items must be discarded. This must be conducted within the requirements of South Coast Air Quality Management District (SCAQMD) rule 1403 under the guidelines for a Procedure 5.

Any future impact to any ACBM is required in connection with demolition, renovation, or building repair, such work should only be performed by personnel who are appropriately trained, experienced, and registered. Intentional disturbance of ACBM should be performed in a manner such that emissions are controlled. Control measures should include, but not be limited to, wet methods; encapsulation, removal with HEPA-filter equipped vacuums, and appropriately labeled polyethylene bags. HVAC systems in work areas where asbestos is to be abated should be deactivated and the register closed and temporarily sealed.

Air monitoring relating to such work should be performed by or under the direct supervision of a California State Certified Asbestos Consultant before, during, and after the abatement work, as required by EPA and other current regulations.

California law requires a building owner to provide tenant, employee and vendor notifications within fifteen (15) days of receipt of information identifying the presence of ACBM in their building(s) and annually thereafter. Specific notification requirements are outlined in Assembly Bill 3713.

Persons, who work directly with asbestos, must be informed within 24 hours of the personal air sampling analytical results conducted on their person directly related to exposure assessment, during impact of ACBM. The air monitoring conducted in this report does not address this criteria, because no one was impacting ACBM at the time of assessment.

There are potential liabilities associated with the presence, and removal of ACM. Precautionary measures, as outlined herein, should be taken in accordance with the guidelines set forth by the EPA, the Occupational Safety and Health Administration (OSHA) and other regulatory agencies.

If any further suspect asbestos-containing materials are discovered and are to be impacted as part of the renovation activities, they must be sampled for asbestos content prior to being impacted.

9.0 LIMITATIONS

The conclusions presented in this report are professional opinions based solely upon visual observations at the site and laboratory analysis of the tested samples. They are intended exclusively for the purpose outlined herein, and for the site location and project indicated.

This assessment report is not specifications for asbestos abatement and it should not be used as a stand-alone asbestos abatement bid document. Recognizing that even the most comprehensive assessment may fail to detect ACBM/ACCM at a particular site, this study was not intended to identify all potential ACBM/ACCM present in the building or at the site for such reasons as the possible existence of buried, covered and inaccessible areas and features. A-Tech does not warrant that all sub-surface, wall cavity or other inaccessible materials were tested. A-Tech did not test any live electrical components or disassemble operational building equipment such as fans or HVAC components. These components may contain untested suspect ACBM/ACCM's. If any suspect ACBM/ACCM's not tested herein are discovered, they must be tested prior to impact.

Samples were collected from materials of similar appearance, age, use, type, color and/or texture. However, this does not guarantee that they are of the same composition. No guarantee is expressed or implied that all ACBM/ACCM has been identified. **Asbestos quantities are estimates only (see Asbestos Tables-Est. Qty.) Exact quantities should be verified by the abatement contractor prior to removal.**

A-Tech assumes no responsibility for the identification of suspect asbestos containing materials, which are not included in this assessment, concealed and/or inaccessible (i.e. locked rooms, under carpet, etc.) However, A-Tech makes every attempt possible to inspect all designated areas for asbestos containing materials (i.e. check under carpeting, inspect attic, crawl space, etc.).

Services performed by A-Tech were conducted in a manner above the care and skill ordinarily and currently exercised by members of the same profession that even the most comprehensive scope of services might fail to detect environmental liabilities on a particular site. Therefore, A-Tech cannot act as insurers and cannot "certify" that a site is free of environmental contamination.

No expressed or implied representation or warranty is included or intended in our reports, except that our services were performed, within the limits prescribed by the Scope of Services, with the customary thoroughness and competence of our profession.

This report is intended for the sole use of the contracted Client and its authorized representatives. The exchange of information was unique between A-Tech and the client regarding the mutually agreed upon scope of service. Unless explicitly authorized in this report, no third party is beneficiary to the contract or findings of this report. The unauthorized use or reliance of this document or the findings, conclusion or recommendations presented herein, by any other party or parties is at the sole risk of any such third party. For the same reasons, no warranties or representations, expressed or implied in this report, are provided to any such third party.

Information and opinions presented herein apply to the existing and reasonable foreseeable site conditions at the time of our investigation. They cannot necessarily apply to site changes of which this office is unaware and have not had the opportunity to review. Changes in the conditions of this property may occur with time due to natural processes or works of man on the subject property or on adjacent properties. Changes in applicable standards may also occur as a result of legislation of the broadening of knowledge. Accordingly, the findings of this report may be invalidated, wholly or in part by changes beyond our control.

A-Tech trusts that the information presented herein provides the data you require. Should you have any questions or comments please contact A-Tech Consulting, Inc. at (800) 434-1025.

Respectfully submitted,
A-Tech Consulting, Inc.



Robert L. Williams, DPH, CAC, CIEC
Certified Asbestos Consultant #96-1980

Asbestos Bulk Analysis

Client Name: Lowell Joint School District

A-Tech Project Number: 202117

Location: Macy Elementary School, 2301 Russell Street

<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0001	9"x 9" Tan Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 301	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0002	9"x 9" Tan Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 302	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0003	9"x 9" Tan Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 301	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0004	9" x 9" Red/Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 302	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	100 SF
202117-A-0005	9" x 9" Red/Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 302	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 04
202117-A-0006	9" x 9" Red/Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 302	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 04
202117-A-0007	9"x 9" Blue/Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 304	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	200 SF
202117-A-0008	9"x 9" Blue/Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 304	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 07
202117-A-0009	9"x 9" Blue/Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 304	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 07
202117-A-0010	9" x 9" Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 304	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	200 SF
202117-A-0011	9" x 9" Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 304	Positive	Chrysotile - <1 %	Misc.	Non-Friable	Good	High	See 10



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0012	9" x 9" Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 304	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 10
202117-A-0013	9"x 9" White with Blue Speckled Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 301	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	100 SF
202117-A-0014	9"x 9" White with Blue Speckled Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 304	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 13
202117-A-0015	9"x 9" White with Blue Speckled Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 301	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 13
202117-A-0016	9"x 9" Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 302	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	800 SF
202117-A-0017	9"x 9" Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 302	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 16
202117-A-0018	9"x 9" Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 302	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 16
202117-A-0019	9"x 9" Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 301	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	800 SF
202117-A-0020	9"x 9" Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 301	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 19
202117-A-0021	9"x 9" Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 301	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 19
202117-A-0022	9"x 9" Light Tan Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 301	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	200 SF
202117-A-0023	9"x 9" Light Tan Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 301	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 22

<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0024	9"x 9" Light Tan Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 301	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 22
202117-A-0025	9"x 9" Orange/Brown Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 304	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	800 SF
202117-A-0026	9"x 9" Orange/Brown Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 304	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 25
202117-A-0027	9"x 9" Orange/Brown Resilient Flooring/Resilient Floor Mastic	Building 3, Classroom 304	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 25
202117-A-0028	Rolled Roof	Building 3, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0029	Rolled Roof	Building 3, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0030	Rolled Roof	Building 3, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0031	Rolled Roof	Building 3, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0032	Rolled Roof	Building 3, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0033	Rolled Roof	Building 3, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0034	Rolled Roof	Building 3, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0035	Gray Roof Penetration Mastic	Building 3, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	20 SF
202117-A-0036	Gray Roof Penetration Mastic	Building 3, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	See 35



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0037	Gray Roof Penetration Mastic	Building 3, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	See 35
202117-A-0038	Black Roof Penetration Mastic	Building 3, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0039	Black Roof Penetration Mastic	Building 3, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0040	Black Roof Penetration Mastic	Building 3, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0041	White Roof Penetration Mastic	Building 3, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	20 SF
202117-A-0042	White Roof Penetration Mastic	Building 3, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	See 41
202117-A-0043	White Roof Penetration Mastic	Building 3, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	See 41
202117-A-0044	Gray Painted Rolled Roofing	Building 4, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0045	Gray Painted Rolled Roofing	Building 4, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0046	Gray Painted Rolled Roofing	Building 4, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0047	Rolled Roof	Building 4, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0048	Rolled Roof	Building 4, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0049	Rolled Roof	Building 4, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0050	Rolled Roof	Building 4, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0051	Rolled Roof	Building 4, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0052	Rolled Roof	Building 4, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0053	Rolled Roof	Building 4, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0054	Gray Roof Penetration Mastic	Building 4, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	20 SF
202117-A-0055	Gray Roof Penetration Mastic	Building 4, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	See 54
202117-A-0056	Gray Roof Penetration Mastic	Building 4, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	See 54
202117-A-0057	Black Roof Penetration Mastic	Building 4, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	20 SF
202117-A-0058	Black Roof Penetration Mastic	Building 4, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	See 57
202117-A-0059	Black Roof Penetration Mastic	Building 4, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	See 57
202117-A-0060	Rolled Roof	Administration Building, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0061	Rolled Roof	Administration Building, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0062	Rolled Roof	Administration Building, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0063	Rolled Roof	Administration Building, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0064	Rolled Roof	Multi-Purpose Building, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0065	Rolled Roof	Multi-Purpose Building, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0066	Rolled Roof	Multi-Purpose Building, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0067	Black Roof Penetration Mastic	Multi-Purpose Building, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0068	Black Roof Penetration Mastic	Multi-Purpose Building, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0069	Black Roof Penetration Mastic	Multi-Purpose Building, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0070	Gray Roof Penetration Mastic	Administration Building, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	40 SF
202117-A-0071	Gray Roof Penetration Mastic	Administration Building, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	See 70
202117-A-0072	Gray Roof Penetration Mastic	Administration Building, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	See 70
202117-A-0073	White Roof Penetration Mastic	Administration Building, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	40 SF
202117-A-0074	White Roof Penetration Mastic	Administration Building, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	See 73
202117-A-0075	White Roof Penetration Mastic	Multi-Purpose Building, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	See 73



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0076	Rolled Roof	Building 5, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0077	Rolled Roof	Building 5, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0078	Rolled Roof	Building 5, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0079	Rolled Roof	Building 5, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0080	Rolled Roof	Building 5, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0081	Rolled Roof	Building 5, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0082	Rolled Roof	Building 5, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0083	Black Roof Penetration Mastic	Building 5, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0084	Black Roof Penetration Mastic	Building 5, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0085	Black Roof Penetration Mastic	Building 5, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0086	Gray Roof Penetration Mastic	Building 5, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	20 SF
202117-A-0087	Gray Roof Penetration Mastic	Building 5, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	See 86
202117-A-0088	Gray Roof Penetration Mastic	Building 5, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	See 86



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0089	White Roof Penetration Mastic	Building 5, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0090	White Roof Penetration Mastic	Building 5, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0091	White Roof Penetration Mastic	Building 5, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0092	Rolled Roof	Building 1, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0093	Rolled Roof	Building 1, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0094	Rolled Roof	Building 1, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0095	Rolled Roof	Building 1, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0096	Rolled Roof	Building 1, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0097	Rolled Roof	Building 1, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0098	Rolled Roof	Building 1, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0099	Black Roof Penetration Mastic	Building 1, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0100	Black Roof Penetration Mastic	Building 1, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0101	Black Roof Penetration Mastic	Building 1, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0102	Gray Roof Penetration Mastic	Building 1, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	20 SF
202117-A-0103	Gray Roof Penetration Mastic	Building 1, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	See 102
202117-A-0104	Gray Roof Penetration Mastic	Building 1, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	See 102
202117-A-0105	White Roof Penetration Mastic	Building 1, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	20 SF
202117-A-0106	White Roof Penetration Mastic	Building 1, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	See 105
202117-A-0107	White Roof Penetration Mastic	Building 1, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	See 105
202117-A-0108	Rolled Roof	Building 2, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0109	Rolled Roof	Building 2, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0110	Rolled Roof	Building 2, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0111	Rolled Roof	Building 2, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0112	Rolled Roof	Building 2, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0113	Rolled Roof	Building 2, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0114	Rolled Roof	Building 2, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0115	Black Roof Penetration Mastic	Building 2, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0116	Black Roof Penetration Mastic	Building 2, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0117	Black Roof Penetration Mastic	Building 2, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0118	Gray Roof Penetration Mastic	Building 2, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	20 SF
202117-A-0119	Gray Roof Penetration Mastic	Building 2, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	See 118
202117-A-0120	Gray Roof Penetration Mastic	Building 2, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0121	White Roof Penetration Mastic	Building 2, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	20 SF
202117-A-0122	White Roof Penetration Mastic	Building 2, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	See 121
202117-A-0123	White Roof Penetration Mastic	Building 2, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	See 121
202117-A-0124	Vapor Barrier	Building 1, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0125	Vapor Barrier	Building 1, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0126	Vapor Barrier	Building 1, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0127	Vapor Barrier	Building 1, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



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202117-A-0128	Vapor Barrier	Building 1, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0129	Vapor Barrier	Building 1, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0130	Vapor Barrier	Building 1, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0131	Vapor Barrier	Building 2, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0132	Vapor Barrier	Building 2, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0133	Vapor Barrier	Building 2, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0134	Vapor Barrier	Building 2, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0135	Vapor Barrier	Building 2, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0136	Vapor Barrier	Building 2, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0137	Vapor Barrier	Building 2, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0138	Vapor Barrier	Building 3, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0139	Vapor Barrier	Building 3, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0140	Vapor Barrier	Building 3, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0141	Vapor Barrier	Building 3, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0142	Vapor Barrier	Building 3, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0143	Vapor Barrier	Building 3, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0144	Vapor Barrier	Building 3, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0145	Vapor Barrier	Building 4, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0146	Vapor Barrier	Building 4, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0147	Vapor Barrier	Building 4, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0148	Vapor Barrier	Building 4, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0149	Vapor Barrier	Building 4, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0150	Vapor Barrier	Building 4, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0151	Vapor Barrier	Building 4, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0152	Vapor Barrier	Building 5, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0153	Vapor Barrier	Building 5, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0154	Vapor Barrier	Building 5, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0155	Vapor Barrier	Building 5, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0156	Vapor Barrier	Building 5, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0157	Vapor Barrier	Building 5, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0158	Vapor Barrier	Building 5, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0159	Stucco	Building 1, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0160	Stucco	Building 1, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0161	Stucco	Building 1, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0162	Stucco	Building 1, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0163	Stucco	Building 1, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0164	Stucco	Building 1, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0165	Stucco	Building 1, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0166	Stucco	Building 2, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0167	Stucco	Building 2, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0168	Stucco	Building 2, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0169	Stucco	Building 2, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0170	Stucco	Building 2, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0171	Stucco	Building 2, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0172	Stucco	Building 2, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0173	Stucco	Building 3, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0174	Stucco	Building 3, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0175	Stucco	Building 3, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0176	Stucco	Building 3, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0177	Stucco	Building 3, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0178	Stucco	Building 3, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0179	Stucco	Building 3, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0180	Stucco	Building 4, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0181	Stucco	Building 4, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0182	Stucco	Building 4, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0183	Stucco	Building 4, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0184	Stucco	Building 4, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0185	Stucco	Building 4, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0186	Stucco	Building 4, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0187	Stucco	Building 5, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0188	Stucco	Building 5, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0189	Stucco	Building 5, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0190	Stucco	Building 5, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0191	Stucco	Building 5, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0192	Stucco	Building 5, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0193	Stucco	Building 5, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0194	1'x1' Ceiling Tile	Building 1, Classroom 102	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0195	1'x1' Ceiling Tile	Building 1, Classroom 102	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0196	1'x1' Ceiling Tile	Building 1, Classroom 102	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0197	1'x1' Ceiling Tile	Building 1, Classroom 101	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0198	1'x1' Ceiling Tile	Building 1, Classroom 103	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0199	1'x1' Ceiling Tile	Building 1, Classroom 102	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0200	1'x1' Ceiling Tile	Building 1, Classroom 104	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0201	1'x1' Ceiling Tile	Building 2, Classroom 203	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0202	1'x1' Ceiling Tile	Building 2, Classroom 201	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0203	1'x1' Ceiling Tile	Building 2, Classroom 204	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0204	1'x1' Ceiling Tile	Building 2, Classroom 203	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0205	1'x1' Ceiling Tile	Building 2, Classroom 203	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0206	1'x1' Ceiling Tile	Building 2, Classroom 201	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0207	1'x1' Ceiling Tile	Building 2, Classroom 202	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0208	1'x1' Ceiling Tile	Building 3, Classroom 301	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0209	1'x1' Ceiling Tile	Building 3, Classroom 301	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0210	1'x1' Ceiling Tile	Building 3, Classroom 301	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0211	1'x1' Ceiling Tile	Building 3, Classroom 302	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0212	1'x1' Ceiling Tile	Building 3, Classroom 302	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0213	1'x1' Ceiling Tile	Building 3, Classroom 303	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0214	1'x1' Ceiling Tile	Building 3, Classroom 304	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0215	1'x1' Ceiling Tile	Building 4, Classroom 403	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0216	1'x1' Ceiling Tile	Building 4, Classroom 403	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0217	1'x1' Ceiling Tile	Building 4, Classroom 403	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0218	1'x1' Ceiling Tile	Building 4, Classroom 403	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0219	1'x1' Ceiling Tile	Building 4, Classroom 404	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0220	1'x1' Ceiling Tile	Building 4, Classroom 404	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0221	1'x1' Ceiling Tile	Building 4, Classroom 401	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0222	1'x1' Ceiling Tile	Building 5, Classroom 502	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0223	1'x1' Ceiling Tile	Building 5, Classroom 502	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0224	1'x1' Ceiling Tile	Building 5, Classroom 503	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0225	1'x1' Ceiling Tile	Building 5, Classroom 503	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0226	1'x1' Ceiling Tile	Building 5, Classroom 503	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0227	1'x1' Ceiling Tile	Building 5, Classroom 502	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0228	1'x1' Ceiling Tile	Building 5, Classroom 502	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0229	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 1, Boy's Restroom	Positive	Actinolite - <1 % Point Count – 0.4 %	Misc.	Friable	Good	Moderate	4,000 SF
202117-A-0230	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 1, Boy's Restroom	Positive	Actinolite - <1 % Point Count – 0.6 %	Misc.	Friable	Good	Moderate	See 229
202117-A-0231	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 1, Boy's Restroom	Positive	Actinolite - <1 % Point Count – 0.4 %	Misc.	Friable	Good	Moderate	See 229



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0232	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 1, Boy's Restroom	Positive	Actinolite - <1 % Point Count - 0.7 %	Misc.	Friable	Good	Moderate	See 229
202117-A-0233	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 1, Classroom 102, Walls	Positive	Actinolite - <1 % Point Count - 0.6 %	Misc.	Friable	Good	Moderate	See 229
202117-A-0234	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 2, Girl's Restroom	Positive	Actinolite - <1 % Point Count - 0.8 %	Misc.	Friable	Good	Moderate	4,000 SF
202117-A-0235	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 2, Girl's Restroom	Positive	Actinolite - <1 % Point Count - 0.6 %	Misc.	Friable	Good	Moderate	See 234
202117-A-0236	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 2, Classroom 203, Walls	Positive	Actinolite - <1 % Point Count - 0.6 %	Misc.	Friable	Good	Moderate	See 234
202117-A-0237	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 2, Classroom 203, Walls	Positive	Actinolite - <1 % Point Count - 0.7 %	Misc.	Friable	Good	Moderate	See 234
202117-A-0238	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 2, Classroom 203, Walls	Positive	Actinolite - <1 % Point Count - 0.8 %	Misc.	Friable	Good	Moderate	See 234
202117-A-0239	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 3, Girl's Restroom	Positive	Actinolite - <1 % Point Count - 0.7 %	Misc.	Friable	Good	Moderate	4,000 SF
202117-A-0240	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 3, Girl's Restroom	Positive	Actinolite - <1 % Point Count - 0.2 %	Misc.	Friable	Good	Moderate	See 239
202117-A-0241	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 3, Girl's Restroom	Positive	Actinolite - <1 % Point Count - 0.9 %	Misc.	Friable	Good	Moderate	See 239
202117-A-0242	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 3, 301	Positive	Actinolite - <1 % Point Count - 0.6 %	Misc.	Friable	Good	Moderate	See 239
202117-A-0243	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 3, 301	Positive	Actinolite - <1 % Point Count - 0.5 %	Misc.	Friable	Good	Moderate	See 239
202117-A-0244	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 4, Boy's Restroom	Positive	Actinolite - <1 % Point Count - 0.3 %	Misc.	Friable	Good	Moderate	4,000 SF



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0245	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 4, Boy's Restroom	Positive	Actinolite - <1 % Point Count - 0.5 %	Misc.	Friable	Good	Moderate	See 244
202117-A-0246	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 4, Boy's Restroom	Positive	Actinolite - <1 % Point Count - 0.6 %	Misc.	Friable	Good	Moderate	See 244
202117-A-0247	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 4, Classroom 403 Wall	Positive	Actinolite - <1 % Point Count - 0.6 %	Misc.	Friable	Good	Moderate	See 244
202117-A-0248	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 4, Classroom 403 Wall	Positive	Actinolite - <1 % Point Count - 0.5 %	Misc.	Friable	Good	Moderate	See 244
202117-A-0249	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 5, Boy's Restroom	Positive	Actinolite - <1 % Point Count - 0.5 %	Misc.	Friable	Good	Moderate	4,000 SF
202117-A-0250	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 5, Boy's Restroom	Positive	Actinolite - <1 % Point Count - 0.9 %	Misc.	Friable	Good	Moderate	See 249
202117-A-0251	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 5, Classroom 502 Walls	Positive	Actinolite - <1 % Point Count - 0.7 %	Misc.	Friable	Good	Moderate	See 249
202117-A-0252	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 5, Classroom 503 Walls	Positive	Actinolite - <1 % Point Count - 0.5 %	Misc.	Friable	Good	Moderate	See 249
202117-A-0253	1'x1' Ceiling Tile with Hockey Puck Mastic	Building 5, Girl's Restroom	Positive	Actinolite - <1 % Point Count - 0.8 %	Misc.	Friable	Good	Moderate	See 249
202117-A-0254	Vapor Barrier	Building 1, Classroom 102	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0255	Vapor Barrier	Building 1, Classroom 102	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0256	Vapor Barrier	Building 1, Classroom 102	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0257	Vapor Barrier	Building 1, Classroom 103	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0258	Vapor Barrier	Building 1, Classroom 101	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0259	Vapor Barrier	Building 1, Classroom 102	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0260	Vapor Barrier	Building 1, Classroom 104	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0261	Vapor Barrier	Building 2, Classroom 203	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0262	Vapor Barrier	Building 2, Classroom 203	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0263	Vapor Barrier	Building 2, Classroom 204	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0264	Vapor Barrier	Building 2, Classroom 203	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0265	Vapor Barrier	Building 2, Classroom 204	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0266	Vapor Barrier	Building 2, Classroom 202	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0267	Vapor Barrier	Building 2, Classroom 202	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0268	Vapor Barrier	Building 3, Classroom 301	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0269	Vapor Barrier	Building 3, Classroom 302	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0270	Vapor Barrier	Building 3, Classroom 303	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0271	Vapor Barrier	Building 3, Classroom 304	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0272	Vapor Barrier	Building 3, Classroom 301	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0273	Vapor Barrier	Building 3, Classroom 301	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0274	Vapor Barrier	Building 3, Classroom 301	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0275	Vapor Barrier	Building 4, Classroom 403	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0276	Vapor Barrier	Building 4, Classroom 403	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0277	Vapor Barrier	Building 4, Classroom 403	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0278	Vapor Barrier	Building 4, Classroom 403	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0279	Vapor Barrier	Building 4, Classroom 401	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0280	Vapor Barrier	Building 4, Classroom 401	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0281	Vapor Barrier	Building 4, Classroom 401	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0282	Vapor Barrier	Building 5, Classroom 502	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0283	Vapor Barrier	Building 5, Classroom 502	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0284	Vapor Barrier	Building 5, Classroom 502	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0285	Vapor Barrier	Building 5, Classroom 502	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0286	Vapor Barrier	Building 5, Classroom 503	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0287	Vapor Barrier	Building 5, Classroom 503	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0288	Vapor Barrier	Building 5, Classroom 503	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0289	Silver Rolled Roof	Portico Walkway, Roof Edges	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0290	Silver Rolled Roof	Portico Walkway, Roof Edges	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0291	Silver Rolled Roof	Portico Walkway, Roof Edges	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0292	Rolled Roof	Portico Walkway, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0293	Rolled Roof	Portico Walkway, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0294	Rolled Roof	Portico Walkway, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0295	Rolled Roof	Portico Walkway, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0296	Rolled Roof	Portico Walkway, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0297	Rolled Roof	Portico Walkway, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0298	Rolled Roof	Portico Walkway, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0299	Black Roof Penetration Mastic	Portico Walkway, Roof, Northeast	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0300	Black Roof Penetration Mastic	Portico Walkway, Roof, Northwest	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0301	Black Roof Penetration Mastic	Portico Walkway, Roof, Southwest	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0302	White Roof Penetration Mastic	Portico Walkway, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0303	White Roof Penetration Mastic	Portico Walkway, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0304	White Roof Penetration Mastic	Portico Walkway, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0305	Gray Roof Penetration Mastic	Portico Walkway, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	200 SF
202117-A-0306	Gray Roof Penetration Mastic	Portico Walkway, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	See 305
202117-A-0307	Gray Roof Penetration Mastic	Portico Walkway, Roof	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	See 305
202117-A-0308	Rolled Roof	Canopy 1, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0309	Rolled Roof	Canopy 1, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0310	Rolled Roof	Canopy 1, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0311	Rolled Roof	Canopy 2, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0312	Rolled Roof	Canopy 2, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0313	Rolled Roof	Canopy 2, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0314	Stucco	Building 6, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0315	Stucco	Building 6, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0316	Stucco	Building 6, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0317	Stucco	Building 6, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0318	Stucco	Building 6, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0319	Vapor Barrier Paper	Building 6, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0320	Vapor Barrier Paper	Building 6, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0321	Vapor Barrier Paper	Building 6, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0322	Vapor Barrier Paper	Building 6, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0323	Vapor Barrier Paper	Building 6, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0324	Gray Roof Penetration Mastic	Building 6, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0325	Gray Roof Penetration Mastic	Building 6, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0326	Gray Roof Penetration Mastic	Building 6, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0327	Rolled Roof	Building 6, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0328	Rolled Roof	Building 6, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0329	Rolled Roof	Building 6, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0330	Shingle Roof	Building 6, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0331	Shingle Roof	Building 6, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0332	Shingle Roof	Building 6, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0333	Shingle Roof	Building 6, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0334	Shingle Roof	Building 6, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0335	Rolled Roof	Storage Container 2, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0336	Rolled Roof	Storage Container 2, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0337	Rolled Roof	Storage Container 2, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0338	Rolled Roof	Storage Container 3, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0339	Rolled Roof	Storage Container 3, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0340	Rolled Roof	Storage Container 3, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0341	Plaster on Buttonboard	Building 3, Girl's Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0342	Plaster on Buttonboard	Building 3, Electrical Room	Positive	Chrysotile - <1 % Point Count – 0.5%	Surfacing	Non-Friable	Good	High	7,000 SF
202117-A-0343	Plaster on Buttonboard	Building 3, Girl's Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0344	Plaster on Buttonboard	Building 3, Girl's Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0345	Plaster on Buttonboard	Building 3, Electrical Room	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0346	Plaster on Buttonboard	Building 3, Electrical Room	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0347	Plaster on Buttonboard	Building 3, Girl's Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0348	Plaster on Buttonboard	Building 4, Boy's Restroom	Positive	Chrysotile - <1 % Point Count – 0.6%	Surfacing	Non-Friable	Good	High	7,000 SF



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0349	Plaster on Buttonboard	Building 4, Boy's Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0350	Plaster on Buttonboard	Building 4, Boy's Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0351	Plaster on Buttonboard	Building 4, Boy's Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0352	Plaster on Buttonboard	Building 4, Electrical Room	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0353	Plaster on Buttonboard	Building 4, Electrical Room	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0354	Plaster on Buttonboard	Building 4, Electrical Room	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0355	Plaster on Buttonboard	Building 5, Boy's Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0356	Plaster on Buttonboard	Building 5, Boy's Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0357	Plaster on Buttonboard	Building 5, Girl's Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0358	Plaster on Buttonboard	Building 5, Girl's Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0359	Plaster on Buttonboard	Building 5, Custodian's Closet	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0360	Plaster on Buttonboard	Building 5, Custodian's Closet	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0361	Plaster on Buttonboard	Building 5, Custodian's Closet	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0362	Plaster on Buttonboard	Building 2, Girl's Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0363	Plaster on Buttonboard	Building 2, Girl's Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0364	Plaster on Buttonboard	Building 2, Electrical Room	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0365	Plaster on Buttonboard	Building 2, Girl's Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0366	Plaster on Buttonboard	Building 2, Electrical Room	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0367	Plaster on Buttonboard	Building 2, Girl's Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0368	Plaster on Buttonboard	Building 2, Electrical Room	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0369	Plaster on Buttonboard	Building 1, Boy's Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0370	Plaster on Buttonboard	Building 1, Boy's Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0371	Plaster on Buttonboard	Building 1, Boy's Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0372	Plaster on Buttonboard	Building 1, Boy's Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0373	Plaster on Buttonboard	Building 1, Electrical Room	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0374	Plaster on Buttonboard	Building 1, Electrical Room	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0375	Plaster on Buttonboard	Building 1, Electrical Room	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0376	Drywall with Joint Compound	Building 2, Electrical Room	Positive	Chrysotile - <1 % Point Count - <0.1%	Misc.	Non-Friable	Good	High	950 SF
202117-A-0377	Drywall with Joint Compound	Building 2, Electrical Room	Positive	Chrysotile - <1 % Point Count - <0.1%	Misc.	Non-Friable	Good	High	See 376
202117-A-0378	Drywall with Joint Compound	Building 2, Electrical Room	Positive	Chrysotile - <1 % Point Count - 0.6%	Misc.	Non-Friable	Good	High	See 376
202117-A-0379	Drywall with Joint Compound	Building 3, Girl's Restroom	Positive	Chrysotile - <1 % Point Count - 0.5%	Misc.	Non-Friable	Good	High	1,500 SF
202117-A-0380	Drywall with Joint Compound	Building 3, Girl's Restroom	Positive	Chrysotile - <1 % Point Count - 0.8%	Misc.	Non-Friable	Good	High	See 379
202117-A-0381	Drywall with Joint Compound	Building 3, Girl's Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0382	Drywall with Joint Compound	Building 3, Electrical Room	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0383	Drywall with Joint Compound	Building 3, Electrical Room	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0384	Drywall with Joint Compound	Building 4, Boy's Restroom	Positive	Chrysotile - <1 % Point Count - 0.7%	Misc.	Non-Friable	Good	High	1,500 SF
202117-A-0385	Drywall with Joint Compound	Building 4, Boy's Restroom	Positive	Chrysotile - <1 % Point Count - 0.9%	Misc.	Non-Friable	Good	High	See 384
202117-A-0386	Drywall with Joint Compound	Building 4, Electrical Room	Positive	Chrysotile - <1 % Point Count - 0.9%	Misc.	Non-Friable	Good	High	See 384
202117-A-0387	Drywall with Joint Compound	Building 4, Electrical Room	Positive	Chrysotile - <1 % Point Count - 0.8%	Misc.	Non-Friable	Good	High	See 384



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0388	Drywall with Joint Compound	Building 4, Electrical Room	Positive	Chrysotile - <1 % Point Count – 0.9%	Misc.	Non-Friable	Good	High	See 384
202117-A-0389	Drywall with Joint Compound	Building 5, Boy’s Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0390	Drywall with Joint Compound	Building 5, Boy’s Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0391	Drywall with Joint Compound	Building 5, Girl’s Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0392	Drywall with Joint Compound	Building 5, Girl’s Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0393	Drywall with Joint Compound	Building 5, Custodian’s Closet	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0394	Drywall with Joint Compound	Building 6, Classroom A	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0395	Drywall with Joint Compound	Building 6, Classroom A	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0396	Drywall with Joint Compound	Building 6, Classroom A	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0397	Drywall with Wall Panel Mastic	Building 7	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0398	Drywall with Wall Panel Mastic	Building 7	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0399	Drywall with Wall Panel Mastic	Building 7	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0400	Drywall with Wall Panel Mastic	Building 7	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0401	Drywall with Wall Panel Mastic	Building 7	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0402	2'x 4' Fissured Acoustic Ceiling Tile	Building 6, Classroom A	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0403	2'x 4' Fissured Acoustic Ceiling Tile	Building 6, Classroom A	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0404	2'x 4' Fissured Acoustic Ceiling Tile	Building 6, Classroom A	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0405	2'x 4' Fissured Acoustic Ceiling Tile	Building 7	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0406	2'x 4' Fissured Acoustic Ceiling Tile	Building 7	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0407	2'x 4' Fissured Acoustic Ceiling Tile	Building 7	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0408	2'x 4' Fissured Acoustic Ceiling Tile	Building 8	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0409	2'x 4' Fissured Acoustic Ceiling Tile	Building 8	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0410	2'x 4' Fissured Acoustic Ceiling Tile	Building 8	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0411	2'x 4' Fissured Acoustic Ceiling Tile	Building 9	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0412	2'x 4' Fissured Acoustic Ceiling Tile	Building 9	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0413	2'x 4' Fissured Acoustic Ceiling Tile	Building 9	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0414	2'x 4' Fissured Acoustic Ceiling Tile	Building 10	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0415	2'x 4' Fissured Acoustic Ceiling Tile	Building 10	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0416	2'x 4' Fissured Acoustic Ceiling Tile	Building 10	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0417	Drywall with Wall Panel Mastic	Building 8	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0418	Drywall with Wall Panel Mastic	Building 8	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0419	Drywall with Wall Panel Mastic	Building 8	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0420	Drywall with Wall Panel Mastic	Building 8	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0421	Drywall with Wall Panel Mastic	Building 8	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0422	Drywall with Wall Panel Mastic	Building 9	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0423	Drywall with Wall Panel Mastic	Building 9	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0424	Drywall with Wall Panel Mastic	Building 9	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0425	Drywall with Wall Panel Mastic	Building 9	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0426	Drywall with Wall Panel Mastic	Building 9	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0427	Drywall with Wall Panel Mastic	Building 10	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0428	Drywall with Wall Panel Mastic	Building 10	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0429	Drywall with Wall Panel Mastic	Building 10	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0430	Drywall with Wall Panel Mastic	Building 10	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0431	Drywall with Wall Panel Mastic	Building 10	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0432	9" Diameter Transite Pipe	Northeast Portico, Roof	Positive	Chrysotile - 20 % Crocidolite - 15 %	Misc.	Non-Friable	Good	Low	8 SF
202117-A-0433	9" Diameter Transite Pipe	Northeast Portico, Roof	Positive	Chrysotile - 20 % Crocidolite - 15 %	Misc.	Non-Friable	Good	Low	See 432
202117-A-0434	9" Diameter Transite Pipe	Northeast Portico, Roof	Positive	Chrysotile - 20 % Crocidolite - 15 %	Misc.	Non-Friable	Good	Low	See 432
202117-A-0435	1'x1' Pinhole Acoustic Ceiling Tile	Multi-Purpose Building, Kitchen	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0436	1'x1' Pinhole Acoustic Ceiling Tile	Multi-Purpose Building, Kitchen	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0437	1'x1' Pinhole Acoustic Ceiling Tile	Multi-Purpose Building, Kitchen	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0438	1'x1' Pinhole Acoustic Ceiling Tile	Multi-Purpose Building, Kitchen	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0439	1'x1' Pinhole Acoustic Ceiling Tile	Multi-Purpose Building, Kitchen	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0440	1'x1' Pinhole Acoustic Ceiling Tile	Multi-Purpose Building, Kitchen	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0441	1'x1' Pinhole Acoustic Ceiling Tile	Multi-Purpose Building, Kitchen	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0442	1'x1' Pinhole Acoustic Ceiling Tile	Administration Building, Workroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0443	1'x1' Pinhole Acoustic Ceiling Tile	Administration Building, Workroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0444	1'x1' Pinhole Acoustic Ceiling Tile	Administration Building, Workroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0445	1'x1' Pinhole Acoustic Ceiling Tile	Multi-Purpose Building, Kitchen	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0446	1'x1' Pinhole Acoustic Ceiling Tile	Multi-Purpose Building, Kitchen	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0447	1'x1' Pinhole Acoustic Ceiling Tile	Multi-Purpose Building, Kitchen	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0448	Plaster on Buttonboard	Multi-Purpose Building, Kitchen	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0449	Plaster on Buttonboard	Multi-Purpose Building, Kitchen	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0450	Plaster on Buttonboard	Multi-Purpose Building, Mechanical Room	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0451	Plaster on Buttonboard	Multi-Purpose Building, Mechanical Room	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0452	Plaster on Buttonboard	Multi-Purpose Building, Mechanical Room	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0453	Plaster on Buttonboard	Multi-Purpose Building, Kitchen	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0454	Plaster on Buttonboard	Multi-Purpose Building	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0455	Plaster on Buttonboard	Administration Building, Clerical	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0456	Plaster on Buttonboard	Administration Building, Clerical	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0457	Plaster on Buttonboard	Administration Building, Women's Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0458	Plaster on Buttonboard	Kindergarten Building, Workroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0459	Plaster on Buttonboard	Kindergarten Building, Kindergarten Room 2	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0460	Plaster on Buttonboard	Administration Building, Teacher's Lounge	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0461	Plaster on Buttonboard	Administration Building, Teacher's Lounge	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0462	Stucco	Administration Building	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0463	Stucco	Kindergarten Building	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0464	Stucco	Kindergarten Building	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0465	Stucco	Kindergarten Building	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0466	Stucco	Kindergarten Building	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0467	Stucco	Administration Building	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0468	Stucco	Administration Building	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0469	Drywall	Multi-Purpose Building, Custodian Closet	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0470	Drywall	Multi-Purpose Building, Custodian Closet	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0471	Drywall	Multi-Purpose Building, Custodian Closet	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0472	2'x 4' Fissured Acoustic Ceiling Tile	Administration Building, Teacher's Lounge	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0473	2'x 4' Fissured Acoustic Ceiling Tile	Administration Building, Teacher's Lounge	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0474	2'x 4' Fissured Acoustic Ceiling Tile	Administration Building, Teacher's Lounge	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0475	2'x 4' Fissured Acoustic Ceiling Tile	Multi-Purpose Building, Kitchen	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0476	2'x 4' Fissured Acoustic Ceiling Tile	Multi-Purpose Building, Kitchen	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0477	2'x 4' Fissured Acoustic Ceiling Tile	Multi-Purpose Building, Kitchen	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0478	Carpet Glue	Building 6, Classroom C	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0479	Carpet Glue	Building 6, Classroom A	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0480	Carpet Glue	Building 6, Classroom A	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0481	4" Blue Cove Base/Cove Base Mastic	Building 6, Classroom B	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0482	4" Blue Cove Base/Cove Base Mastic	Building 6, Classroom B	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0483	4" Blue Cove Base/Cove Base Mastic	Building 6, Classroom B	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0484	4" Brown Cove Base/Cove Base Mastic	Building 6, Classroom A	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0485	4" Brown Cove Base/Cove Base Mastic	Building 6, Classroom A	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0486	4" Brown Cove Base/Cove Base Mastic	Building 6, Classroom A	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0487	Drywall with Mastic	Administration Building, Nurse's Office	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0488	Drywall with Mastic	Administration Building, Nurse's Office	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0489	Drywall with Mastic	Administration Building, Principal's Office	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0490	Drywall with Mastic	Administration Building, Principal's Office	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0491	Drywall with Mastic	Administration Building	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0492	Vapor Barrier	Administration Building, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0493	Vapor Barrier	Administration Building, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0494	Vapor Barrier	Administration Building, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0495	Vapor Barrier	Kindergarten Building, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0496	Vapor Barrier	Kindergarten Building, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0497	Vapor Barrier	Kindergarten Building, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0498	Vapor Barrier	Administration Building, Clerical, Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0499	Vapor Barrier	Administration Building, Clerical	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0500	Vapor Barrier	Kindergarten Building, Kindergarten Room 1	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0501	Vapor Barrier	Kindergarten Building, Workroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0502	Vapor Barrier	Kindergarten Building, Kindergarten Room 1	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0503	Vapor Barrier	Administration Building, Teacher's Lounge	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0504	Vapor Barrier	Administration Building, Clerical	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0505	Vapor Barrier	Administration Building, Women's Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0506	2'x 4' Gypsum Ceiling Tile	Portable Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0507	2'x 4' Gypsum Ceiling Tile	Portable Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0508	2'x 4' Gypsum Ceiling Tile	Portable Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0509	FRP Panel	Portable Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0510	FRP Panel	Portable Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0511	FRP Panel	Portable Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0512	FRP Panel	Portable Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0513	FRP Panel	Portable Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0514	6" Brown Cove Base/Cove Base Mastic	Portable Restrooms	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0515	6" Brown Cove Base/Cove Base Mastic	Portable Restrooms	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0516	6" Brown Cove Base/Cove Base Mastic	Portable Restrooms	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0517	Drywall with Joint Compound	Administration Building, Teacher's Lounge	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0518	Drywall with Joint Compound	Administration Building, Teacher's Lounge	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0519	Drywall with Joint Compound	Administration Building, Teacher's Lounge	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0520	Drywall with Joint Compound	Administration Building, Teacher's Lounge	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0521	Drywall with Joint Compound	Administration Building, Teacher's Lounge	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0522	Vibration Collar	Multi-Purpose Building Attic	Positive	Chrysotile - 10 %	Misc.	Non-Friable	Good	Low	10 SF



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0523	Vibration Collar	Multi-Purpose Building Attic	Positive	Chrysotile - 10 %	Misc.	Non-Friable	Good	Low	See 522
202117-A-0524	Vibration Collar	Multi-Purpose Building Attic	Positive	Chrysotile - 10 %	Misc.	Non-Friable	Good	Low	See 522
202117-A-0525	4" Thermal System Insulation (TSI) Pipe Run	Multi-Purpose Building, Attic	Positive	Amosite - 15 % Crocidolite - 10 %	TSI	Friable	Fair	Low	50 SF
202117-A-0526	4" Thermal System Insulation (TSI) Pipe Run	Multi-Purpose Building, Attic	Positive	Amosite - 15 % Crocidolite - 10 %	TSI	Friable	Fair	Low	See 525
202117-A-0527	4" Thermal System Insulation (TSI) Pipe Run	Multi-Purpose Building, Attic	Positive	Amosite - 15 % Crocidolite - 10 %	TSI	Friable	Fair	Low	See 525
202117-A-0528	4" Thermal System Insulation (TSI) Pipe Elbow	Multi-Purpose Building, Custodian Closet	Positive	Amosite - 10 % Crocidolite - 10 %	TSI	Friable	Fair	High	10 SF
202117-A-0529	4" Thermal System Insulation (TSI) Pipe Elbow	Multi-Purpose Building, Custodian Closet	Positive	Amosite - 10 % Crocidolite - 10 %	TSI	Friable	Fair	High	See 528
202117-A-0530	4" Thermal System Insulation (TSI) Pipe Elbow	Multi-Purpose Building, Custodian Closet	Positive	Amosite - 10 % Crocidolite - 10 %	TSI	Friable	Fair	High	See 528
202117-A-0531	4" Thermal System Insulation (TSI) Pipe Run	Multi-Purpose Building, Custodian Closet	Positive	Amosite - 15 % Crocidolite - 10 %	TSI	Friable	Fair	High	10 SF
202117-A-0532	4" Thermal System Insulation (TSI) Pipe Run	Multi-Purpose Building, Custodian Closet	Positive	Amosite - 15 % Crocidolite - 10 %	TSI	Friable	Fair	High	See 531
202117-A-0533	4" Thermal System Insulation (TSI) Pipe Run	Multi-Purpose Building, Custodian Closet	Positive	Amosite - 15 % Crocidolite - 10 %	TSI	Friable	Fair	High	See 531



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0534	4" Thermal System Insulation (TSI) Pipe Elbow	Multi-Purpose Building, Attic	Positive	Amosite - 10 % Crocidolite - 5 %	TSI	Friable	Fair	Low	10 SF
202117-A-0535	4" Thermal System Insulation (TSI) Pipe Elbow	Multi-Purpose Building, Attic	Positive	Amosite - 10 % Crocidolite - 5 %	TSI	Friable	Fair	Low	See 534
202117-A-0536	4" Thermal System Insulation (TSI) Pipe Elbow	Multi-Purpose Building, Attic	Positive	Amosite - 10 % Crocidolite - 5 %	TSI	Friable	Fair	Low	See 534
202117-A-0537	4" Thermal System Insulation (TSI) Pipe Run	Administration Building, Attic	Positive	Amosite - 15 % Crocidolite - 10 %	TSI	Friable	Fair	Low	30 SF
202117-A-0538	4" Thermal System Insulation (TSI) Pipe Run	Administration Building, Attic	Positive	Amosite - 15 % Crocidolite - 10 %	TSI	Friable	Fair	Low	See 537
202117-A-0539	4" Thermal System Insulation (TSI) Pipe Run	Administration Building, Attic	Positive	Amosite - 15 % Crocidolite - 10 %	TSI	Friable	Fair	Low	See 537
202117-A-0540	4" Thermal System Insulation (TSI) Pipe Elbow	Administration Building, Attic	Positive	Amosite - 10 % Crocidolite - 5 %	TSI	Friable	Good	Low	10 SF
202117-A-0541	4" Thermal System Insulation (TSI) Pipe Elbow	Administration Building, Attic	Positive	Amosite - 10 % Crocidolite - 5 %	TSI	Friable	Good	Low	See 540
202117-A-0542	4" Thermal System Insulation (TSI) Pipe Elbow	Administration Building, Attic	Positive	Amosite - 10 % Crocidolite - 5 %	TSI	Friable	Good	Low	See 540
202117-A-0543	Concrete	Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0544	Concrete	Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0545	Concrete	Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0546	Concrete	Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0547	Concrete	Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0548	Concrete	Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0549	Concrete	Exterior	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0550	Carpet Glue over Resilient Flooring	Kindergarten Building, Kindergarten Room 1	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	4,000 SF
202117-A-0551	Carpet Glue over Resilient Flooring	Kindergarten Building, Kindergarten Room 2	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 550
202117-A-0552	Carpet Glue over Resilient Flooring	Kindergarten Building, Kindergarten Room 2	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 550
202117-A-0553	Carpet Glue over Resilient Flooring	Kindergarten Building, Kindergarten Room 2	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0554	Carpet Glue over Resilient Flooring	Kindergarten Building, Kindergarten Room 1	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0555	9"x 9" Brown with Rainbow Speckled Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Kindergarten Room 1	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	2,000 SF
202117-A-0556	9"x 9" Brown with Rainbow Speckled Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Kindergarten Room 1	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 555
202117-A-0557	9"x 9" Brown with Rainbow Speckled Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Kindergarten Room 1	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 555
202117-A-0558	9"x 9" Brown with Rainbow Speckled Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Kindergarten Room 2	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 555



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0559	9"x 9" Brown with Rainbow Speckled Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Kindergarten Room 2	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 555
202117-A-0560	9"x 9" Light Tan Speckled Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Kindergarten Room 2	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	200 SF
202117-A-0561	9"x 9" Light Tan Speckled Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Kindergarten Room 1	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 560
202117-A-0562	9"x 9" Light Tan Speckled Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Kindergarten Room 1	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 560
202117-A-0563	9"x 9" Dark Tan Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Kindergarten Room 1	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	200 SF
202117-A-0564	9"x 9" Dark Tan Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Kindergarten Room 1	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 563
202117-A-0565	9"x 9" Dark Tan Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Kindergarten Room 2	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 563
202117-A-0566	9"x 9" Tan Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Kindergarten Room 2	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	200 SF
202117-A-0567	9"x 9" Tan Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Kindergarten Room 2	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 566
202117-A-0568	9"x 9" Tan Resilient Flooring/Resilient Floor Mastic	Kindergarten Building, Kindergarten Room 2	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 566
202117-A-0569	9"x 9" Brown/Tan Streaked Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 103	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	250 SF
202117-A-0570	9"x 9" Brown/Tan Streaked Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 103	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 569
202117-A-0571	9"x 9" Brown/Tan Streaked Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 103	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 569



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0572	9"x 9" Light Brown with Tan Streaked Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 104	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	250 SF
202117-A-0573	9"x 9" Light Brown with Tan Streaked Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 104	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 572
202117-A-0574	9"x 9" Light Brown with Tan Streaked Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 104	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 572
202117-A-0575	9"x 9" Light Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 104	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	250 SF
202117-A-0576	9"x 9" Light Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 104	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 575
202117-A-0577	9"x 9" Light Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 103	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 575
202117-A-0578	9"x 9" Dark Gray with Pink Streaked Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 103	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	250 SF
202117-A-0579	9"x 9" Dark Gray with Pink Streaked Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 104	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 578
202117-A-0580	9"x 9" Dark Gray with Pink Streaked Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 103	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 578
202117-A-0581	9"x 9" Green Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 102	Positive	Chrysotile - <1 % Point Count - <0.1 %	Misc.	Non-Friable	Good	High	250 SF
202117-A-0582	9"x 9" Green Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 103	Positive	Chrysotile - <1 % Point Count - <0.1 %	Misc.	Non-Friable	Good	High	See 581



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0583	9"x 9" Green Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 103	Positive	Chrysotile - <1 % Point Count - <0.1 %	Misc.	Non-Friable	Good	High	See 581
202117-A-0584	9"x 9" Orange Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 103	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	250 SF
202117-A-0585	9"x 9" Orange Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 103	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 584
202117-A-0586	9"x 9" Orange Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 102	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 584
202117-A-0587	9"x 9" Dark Tan with Speckled Flooring/Resilient Floor Mastic	Building 1, Classroom 102	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0588	9"x 9" Dark Tan with Speckled Flooring/Resilient Floor Mastic	Building 1, Classroom 102	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0589	9"x 9" Dark Tan with Speckled Flooring/Resilient Floor Mastic	Building 1, Classroom 102	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	250 SF
202117-A-0590	9"x 9" Light Tan Speckled Flooring/Resilient Floor Mastic	Building 1, Classroom 102	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	250 SF
202117-A-0591	9"x 9" Light Tan Speckled Flooring/Resilient Floor Mastic	Building 1, Classroom 102	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 590
202117-A-0592	9"x 9" Light Tan Speckled Flooring/Resilient Floor Mastic	Building 1, Classroom 102	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 590
202117-A-0593	12"x 12" Orange Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 103	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0594	12"x 12" Orange Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 103	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0595	12"x 12" Orange Resilient Flooring/Resilient Floor Mastic	Building 1, Classroom 103	Positive	Chrysotile - <1 % Point Count - 0.8 %	Misc.	Non-Friable	Good	High	250 SF



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0596	3" Black Cove Base/Cove Base Mastic	Building 5, Room 501, Library	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0597	3" Black Cove Base/Cove Base Mastic	Building 5, Classroom 502	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0598	3" Black Cove Base/Cove Base Mastic	Building 5, Room 501, Library	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0599	9"x 9" Dark Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 5, Room 501, Library	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	250 SF
202117-A-0600	9"x 9" Dark Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 5, Room 501, Library	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 599
202117-A-0601	9"x 9" Dark Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 5, Room 501, Library	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 599
202117-A-0602	9"x 9" Light Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 5, Room 501, Library	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	250 SF
202117-A-0603	9"x 9" Light Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 5, Room 501, Library	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 602
202117-A-0604	9"x 9" Light Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 5, Room 501, Library	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 602
202117-A-0605	Carpet Glue over Resilient Flooring	Building 5, Classroom 502	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	5,050 SF
202117-A-0606	Carpet Glue over Resilient Flooring	Building 5, Classroom 502	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	See 605
202117-A-0607	Carpet Glue over Resilient Flooring	Building 5, Classroom 502	Positive	Chrysotile - 3 %	Surfacing	Non-Friable	Good	Low	See 605
202117-A-0608	Carpet Glue over Resilient Flooring	Building 5, Classroom 502	Positive	Chrysotile - 3 %	Surfacing	Non-Friable	Good	Low	See 605



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0609	Carpet Glue over Resilient Flooring	Building 5, Classroom 503	Positive	Chrysotile - 3 %	Surfacing	Non-Friable	Good	Low	See 605
202117-A-0610	Carpet Glue over Resilient Flooring	Building 5, Classroom 503	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	See 605
202117-A-0611	Carpet Glue over Resilient Flooring	Building 5, Classroom 503	Positive	Chrysotile - 2 %	Surfacing	Non-Friable	Good	Low	See 605
202117-A-0612	9"x 9" Brown with White Streaked Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	2,500 SF
202117-A-0613	9"x 9" Brown with White Streaked Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 612
202117-A-0614	9"x 9" Brown with White Streaked Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 612
202117-A-0615	9"x 9" Brown with White Streaked Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 612
202117-A-0616	9"x 9" Brown with White Streaked Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 612
202117-A-0617	9"x 9" Tan Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	250 SF
202117-A-0618	9"x 9" Tan Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 617
202117-A-0619	9"x 9" Tan Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 617



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0620	9"x 9" Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	250 SF
202117-A-0621	9"x 9" Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 620
202117-A-0622	9"x 9" Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 620
202117-A-0623	9"x 9" White with Blue Streaked Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Positive	Chrysotile - 2 %	Misc.	Friable	Good	High	250 SF
202117-A-0624	9"x 9" White with Blue Streaked Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Positive	Chrysotile - 2 %	Misc.	Friable	Good	High	See 623
202117-A-0625	9"x 9" White with Blue Streaked Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Positive	Chrysotile - 2 %	Misc.	Friable	Good	High	See 623
202117-A-0626	9"x 9" Dark Gray with Pink Streaked Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	250 SF
202117-A-0627	9"x 9" Dark Gray with Pink Streaked Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 626
202117-A-0628	9"x 9" Dark Gray with Pink Streaked Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 626
202117-A-0629	9"x 9" White Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	250 SF
202117-A-0630	9"x 9" White Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 629



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0631	9"x 9" White Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Classroom 202	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 629
202117-A-0632	9"x 9" Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 401	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	250 SF
202117-A-0633	9"x 9" Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 401	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 632
202117-A-0634	9"x 9" Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 401	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 632
202117-A-0635	9"x 9" Gray with White Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 402	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	300 SF
202117-A-0636	9"x 9" Gray with White Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 402	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 635
202117-A-0637	9"x 9" Gray with White Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 402	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 635
202117-A-0638	9"x 9" White with Blue Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 403	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	250 SF
202117-A-0639	9"x 9" White with Blue Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 403	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 638
202117-A-0640	9"x 9" White with Blue Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 403	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 638
202117-A-0641	9"x9" Orange Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 403	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	250 SF



<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0642	9"x9" Orange Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 403	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 641
202117-A-0643	9"x 9" Orange Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 403	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 641
202117-A-0644	2.5" Cove Base/Cove Base Mastic	Building 4, Classroom 401	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0645	2.5" Cove Base/Cove Base Mastic	Building 4, Classroom 401	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0646	2.5" Cove Base/Cove Base Mastic	Building 4, Classroom 401	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0647	9"x 9" Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 401	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	300 SF
202117-A-0648	9"x 9" Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 401	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 647
202117-A-0649	9"x 9" Gray Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 401	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 647
202117-A-0650	9"x 9" Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 401	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	300 SF
202117-A-0651	9"x 9" Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 401	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 650
202117-A-0652	9"x 9" Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 401	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 650
202117-A-0653	9"x 9" Light Tan Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 403	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	300 SF
202117-A-0654	9"x 9" Light Tan Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 403	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 653



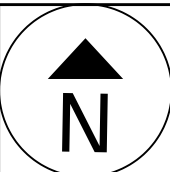
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202117-A-0655	9"x 9" Light Tan Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 403	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 653
202117-A-0656	9"x 9" Tan Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 402	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0657	9"x 9" Tan Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 402	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0658	9"x 9" Tan Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 402	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
202117-A-0659	12"x 12" White Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 401	Positive	Chrysotile - 2 %	Misc.	Friable	Good	High	300 SF
202117-A-0660	12"x 12" White Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 401	Positive	Chrysotile - 2 %	Misc.	Friable	Good	High	See 659
202117-A-0661	12"x 12" White Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 402	Positive	Chrysotile - 2 %	Misc.	Non-Friable	Good	High	See 659
202117-A-0662	9"x 9" Gray with Pink Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 402	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	300 SF
202117-A-0663	9"x 9" Gray with Pink Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 402	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 662
202117-A-0664	9"x 9" Gray with Pink Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Classroom 402	Positive	Chrysotile - 3 %	Misc.	Non-Friable	Good	High	See 662
202117-A-0665	Thermal System Insulation (TSI) Debris	Multi-Purpose Building, Attic	Positive	Amosite - 8 % Crocidolite - 3 %	TSI	Friable	Poor	Low	20 SF
202117-A-0666	Thermal System Insulation (TSI) Debris	Multi-Purpose Building, Attic	Positive	Amosite - 8 % Crocidolite - 3 %	TSI	Friable	Poor	Low	See 665



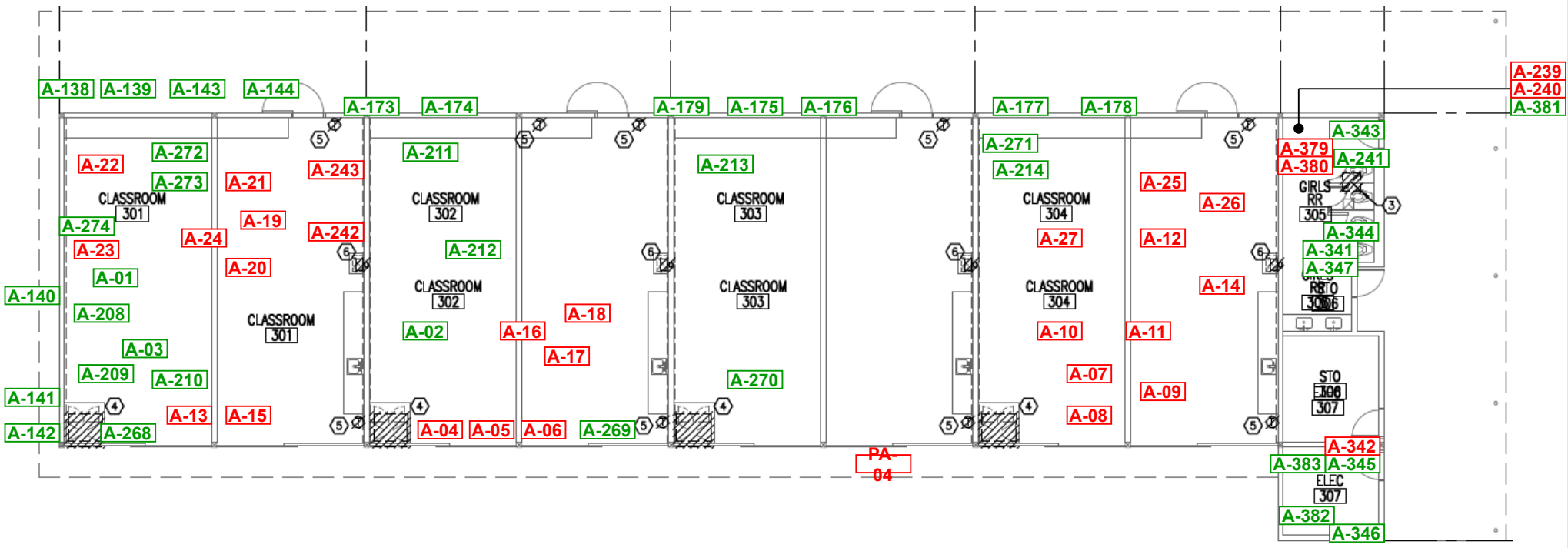
<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-A-0667	Thermal System Insulation (TSI) Debris	Multi-Purpose Building, Attic	Positive	Amosite - 7 % Crocidolite - 4 %	TSI	Friable	Poor	Low	See 665
202117-PA-0001	Tan Vinyl Sheeting with Mastic	Restroom Portables	Positive	Presumed Asbestos-Containing Material	Misc.	Non-Friable	Good	Low	1,700 SF
202117-PA-0002	Sliding Door Transite Panels Encased in Metal	Building 1	Positive	Presumed Asbestos-Containing Material	Misc.	Non-Friable	Good	Low	400 SF
202117-PA-0003	Sliding Door Transite Panels Encased in Metal	Building 2	Positive	Presumed Asbestos-Containing Material	Misc.	Non-Friable	Good	Low	400 SF
202117-PA-0004	Sliding Door Transite Panels Encased in Metal	Building 3	Positive	Presumed Asbestos-Containing Material	Misc.	Non-Friable	Good	Low	400 SF
202117-PA-0005	Sliding Door Transite Panels Encased in Metal	Building 4	Positive	Presumed Asbestos-Containing Material	Misc.	Non-Friable	Good	Low	400 SF
202117-PA-0006	Sliding Door Transite Panels Encased in Metal	Building 5	Positive	Presumed Asbestos-Containing Material	Misc.	Non-Friable	Good	Low	300 SF
202117-PA-0007	Sliding Door Transite Panels Encased in Metal	Kindergarten	Positive	Presumed Asbestos-Containing Material	Misc.	Non-Friable	Good	Low	400 SF

LEGEND:

N/A: Not Applicable



Not to Scale



Building 3

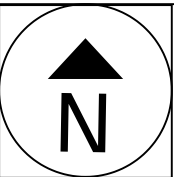
Site Drawing - Asbestos - Page 1 of 25

Macy Elementary School
2301 Russell Street
La Habra, California 90631

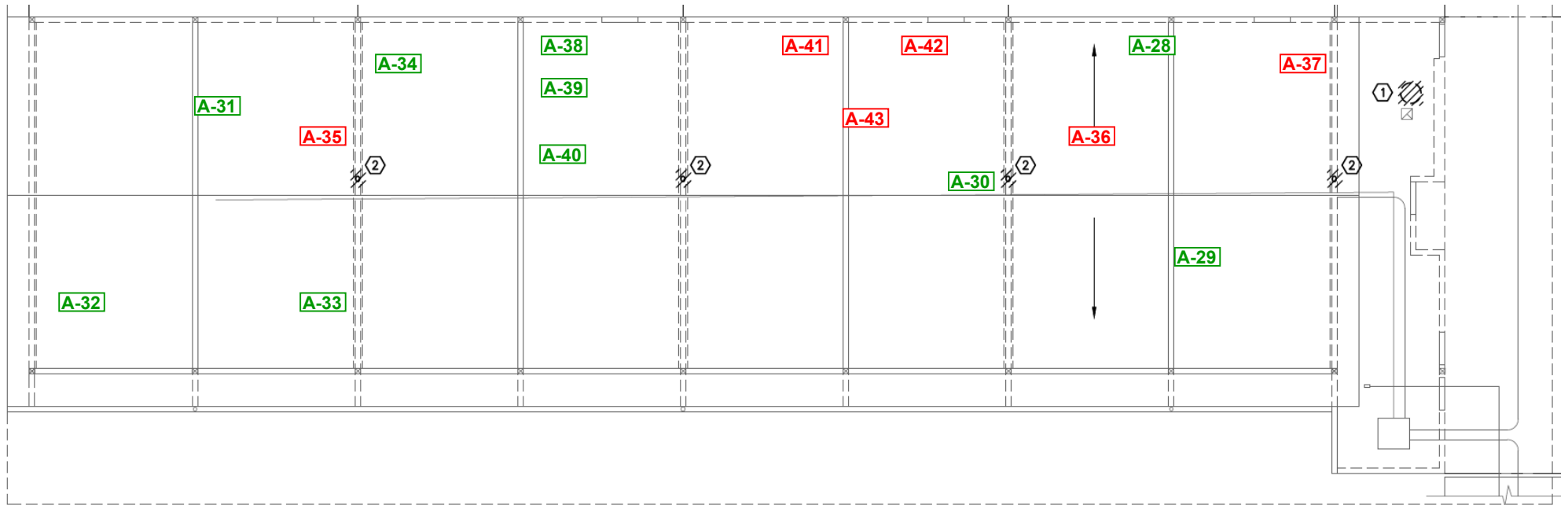
Project #: Atch-202117

Lowell Joint School District

LEGEND:
A = Positive Asbestos Sample Locations
A = Negative Asbestos Sample Locations
PA = Presumed Asbestos Containing Material Locations



Not to Scale



Building 3, Roof

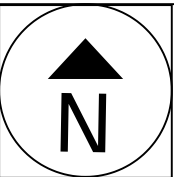
Site Drawing - Asbestos - Page 2 of 25

Macy Elementary School
2301 Russell Street
La Habra, California 90631

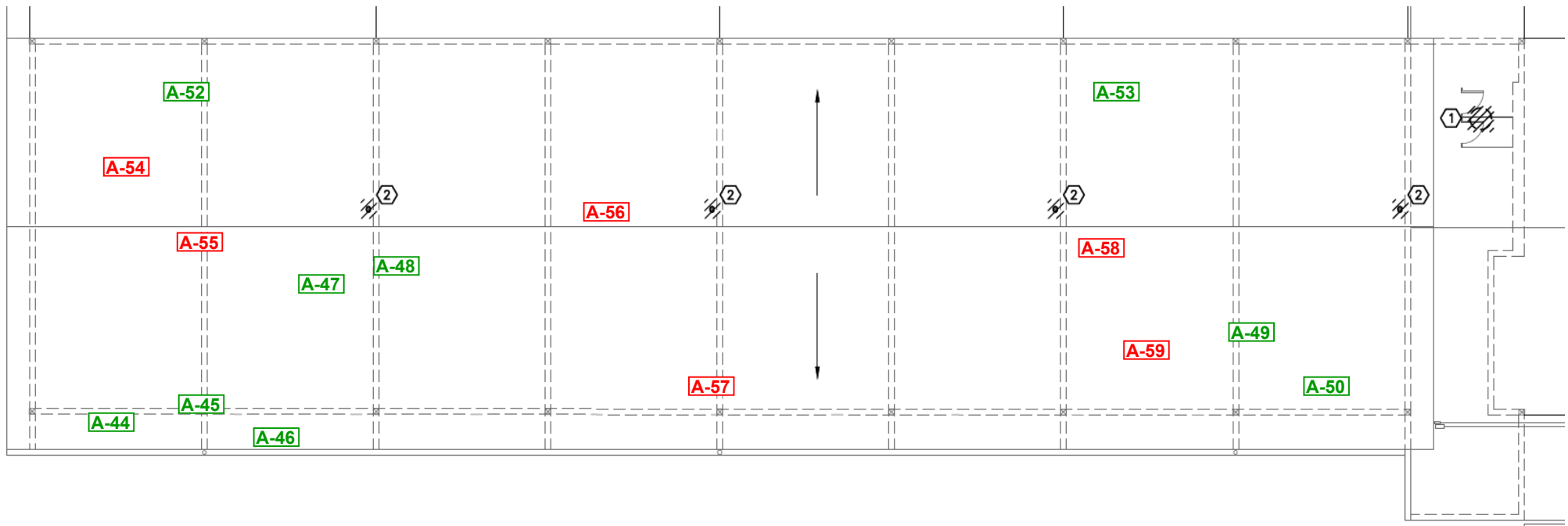
Project #: Atch-202117

Lowell Joint School District

LEGEND:
A = Positive Asbestos Sample Locations
G = Negative Asbestos Sample Locations



Not to Scale



Building 4, Roof

Site Drawing - Asbestos - Page 3 of 25

Macy Elementary School
2301 Russell Street
La Habra, California 90631

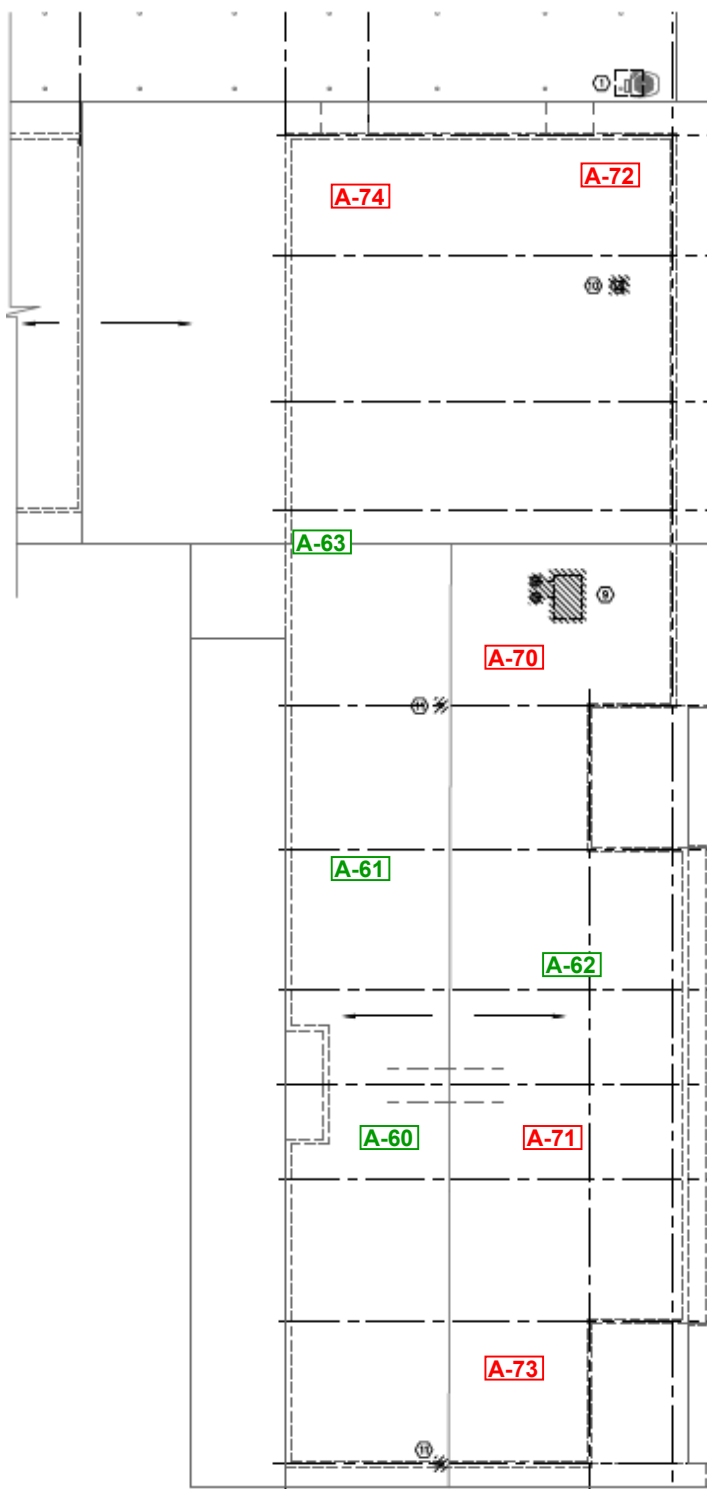
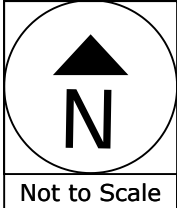
Project #: Atch-202117

Lowell Joint School District

LEGEND:

A = Positive Asbestos Sample Locations

A = Negative Asbestos Sample Locations



Administration and Kindergarten Building

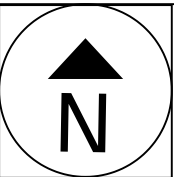
Site Drawing - Asbestos - Page 4 of 25

Macy Elementary School
2301 Russell Street
La Habra, California 90631

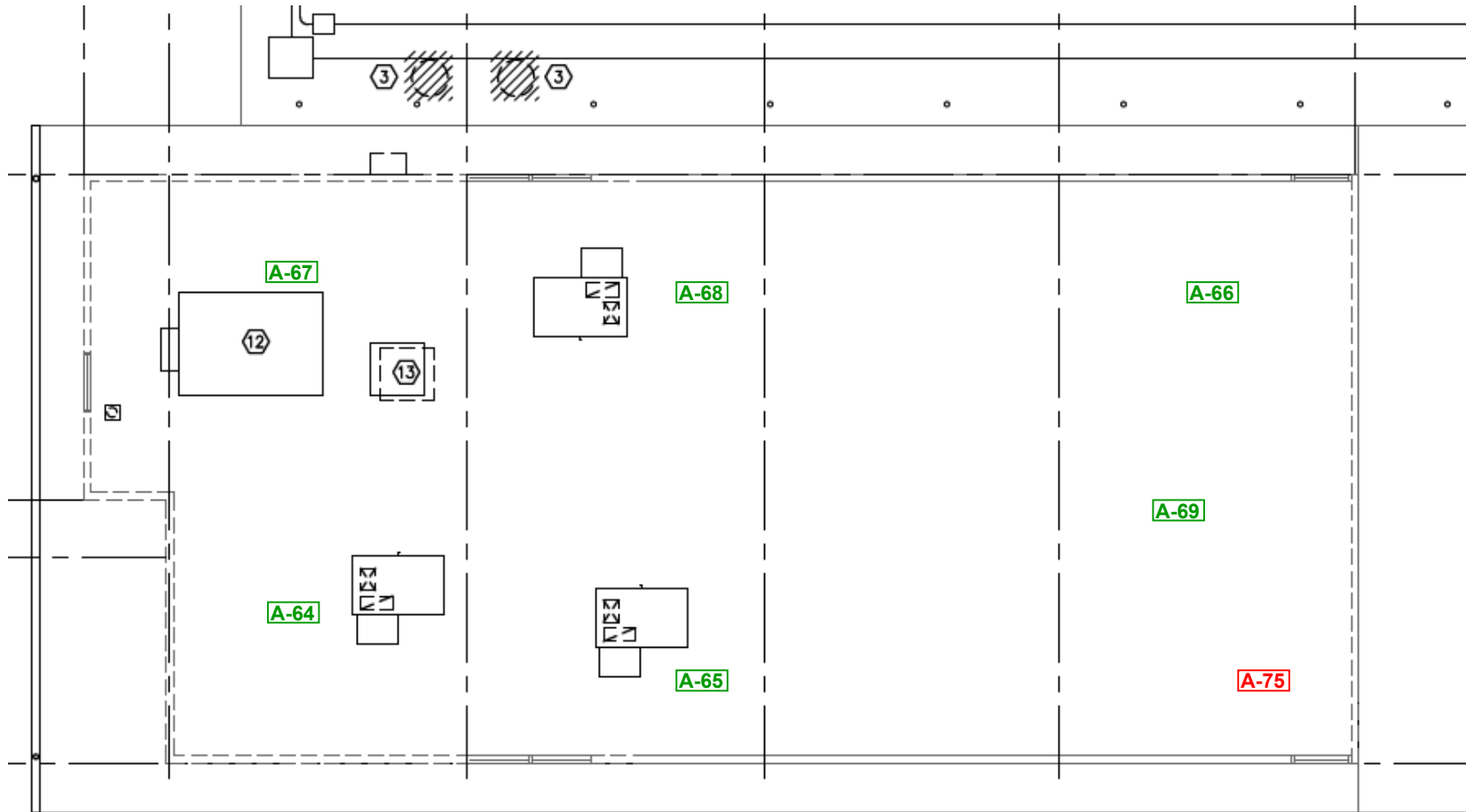
Project #: Atch-202117

Lowell Joint School District

LEGEND:
A = Positive Asbestos Sample Locations
A = Negative Asbestos Sample Locations



Not to Scale



MPR, Roof

Site Drawing - Asbestos - Page 5 of 25

Macy Elementary School
2301 Russell Street
La Habra, California 90631

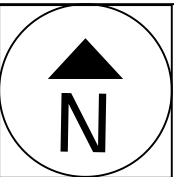
Project #: Atch-202117

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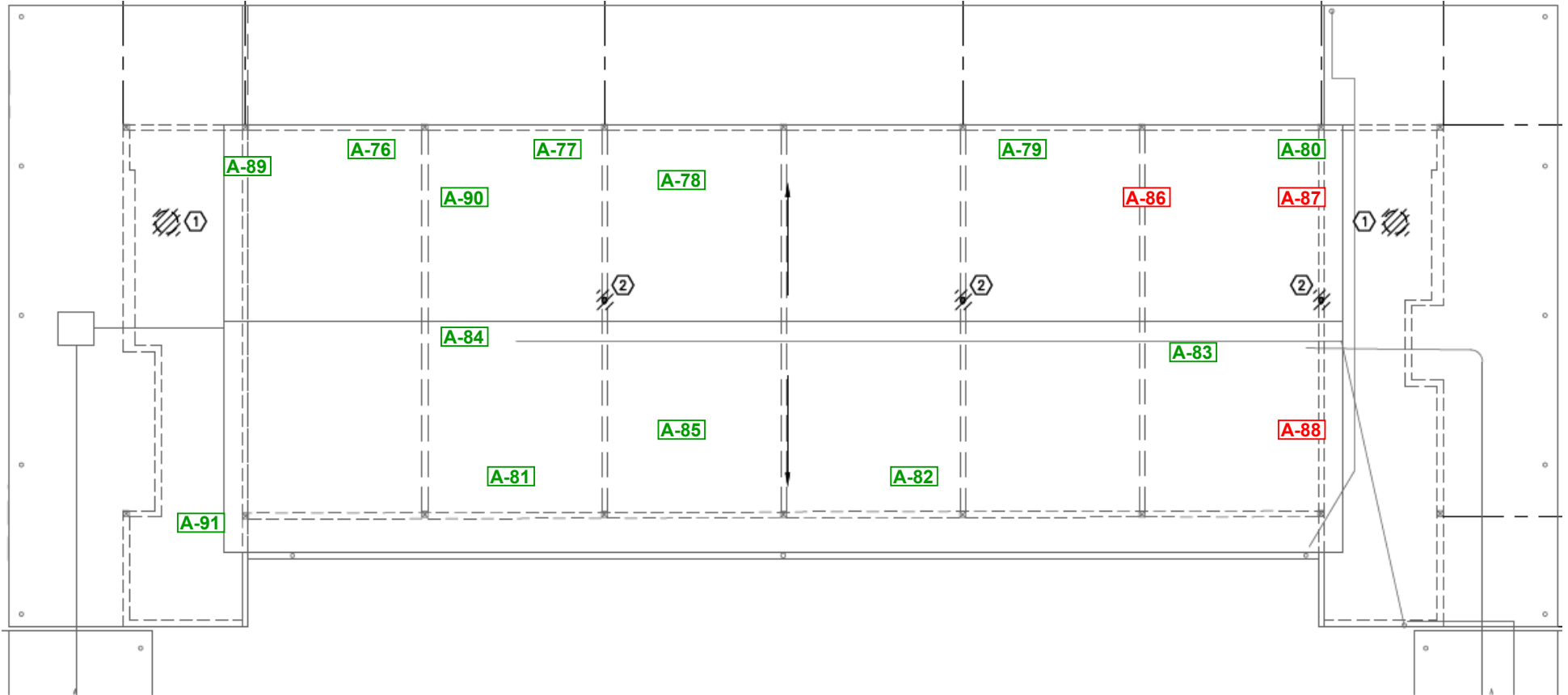
LEGEND:

A = Positive Asbestos Sample Locations

A = Negative Asbestos Sample Locations



Not to Scale



Building 1, Roof

Site Drawing - Asbestos - Page 6 of 25

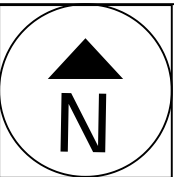
Macy Elementary School
2301 Russell Street
La Habra, California 90631

Project #: Atch-202117

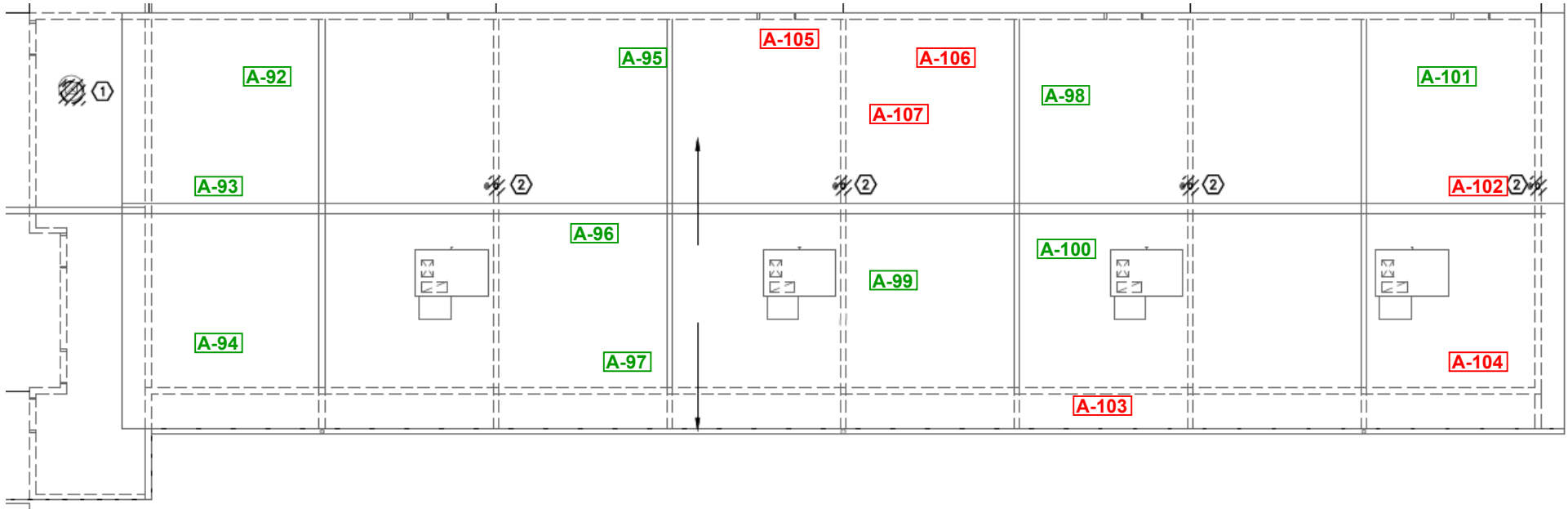
Lowell Joint School District

LEGEND:

A = Positive Asbestos Sample Locations
A = Negative Asbestos Sample Locations



Not to Scale



Building 1, Roof

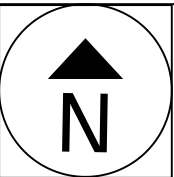
Site Drawing - Asbestos - Page 7 of 25

Macy Elementary School
2301 Russell Street
La Habra, California 90631

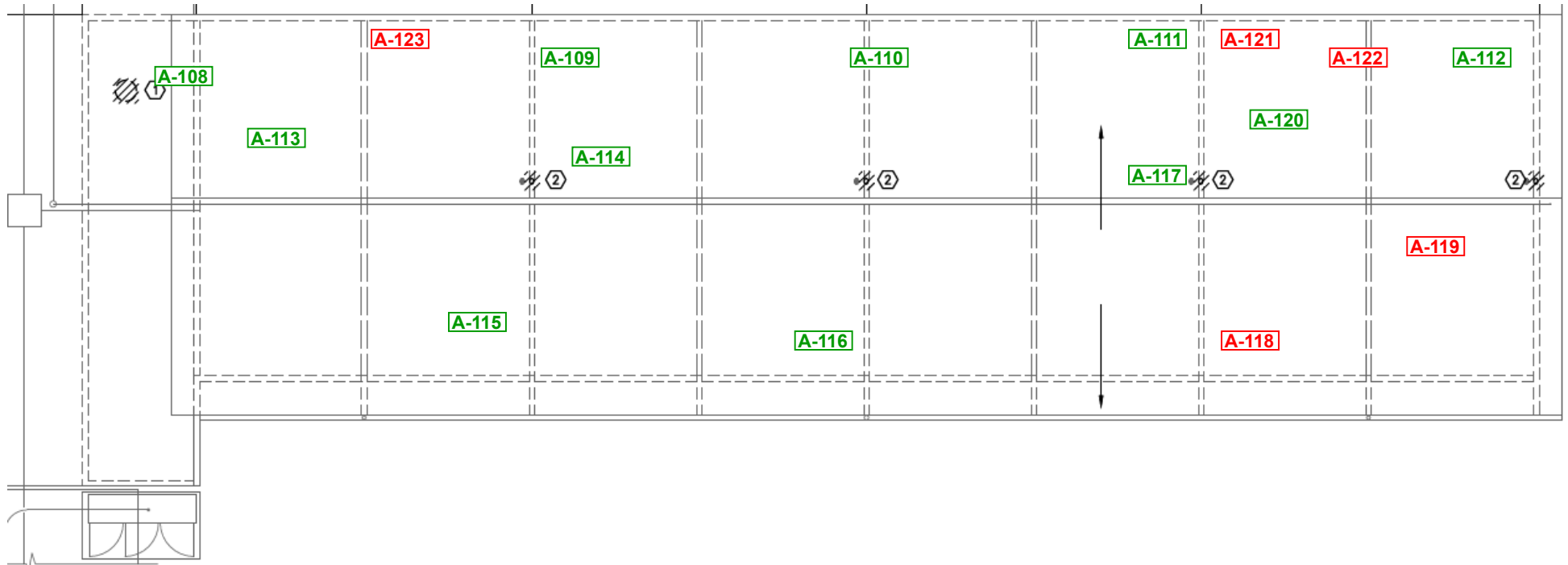
Project #: Atch-202117

Lowell Joint School District

LEGEND:
A = Positive Asbestos Sample Locations
G = Negative Asbestos Sample Locations



Not to Scale



Building 2, Roof

Site Drawing - Asbestos - Page 8 of 25

Macy Elementary School
2301 Russell Street
La Habra, California 90631

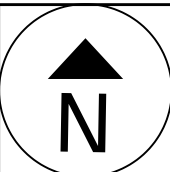
Project #: Atch-202117

Lowell Joint School District

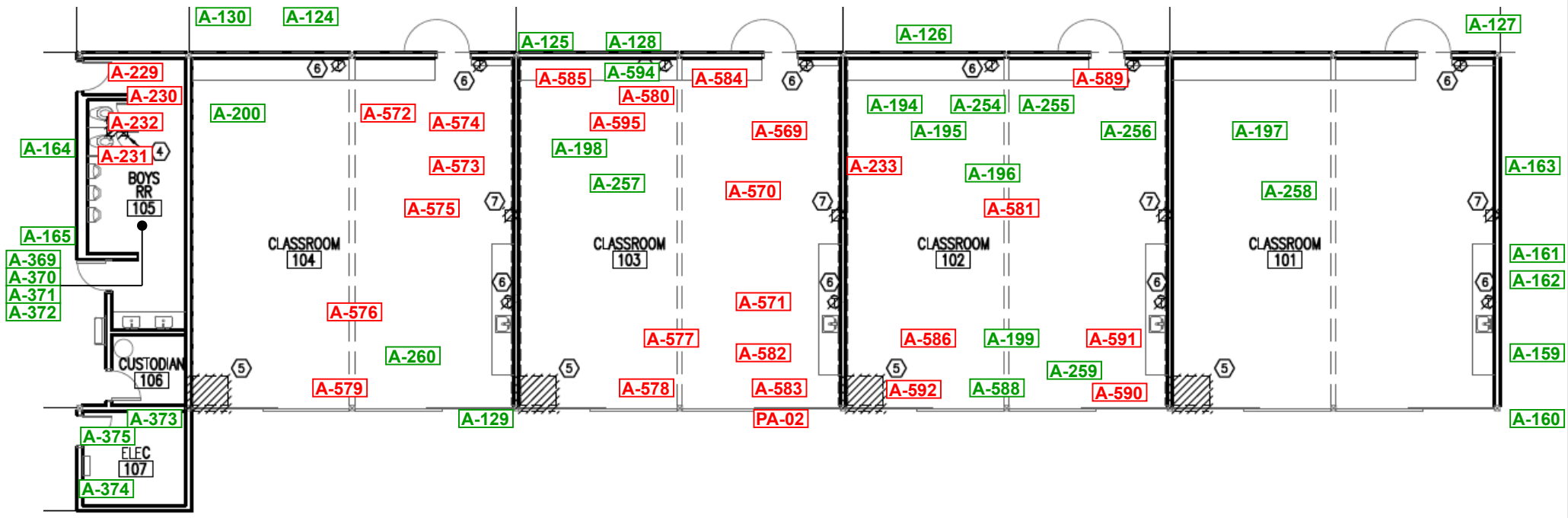
LEGEND:

A = Positive Asbestos Sample Locations

A = Negative Asbestos Sample Locations



Not to Scale



Building 1

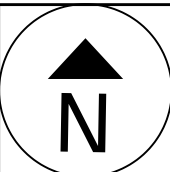
Site Drawing - Asbestos - Page 9 of 25

Macy Elementary School
2301 Russell Street
La Habra, California 90631

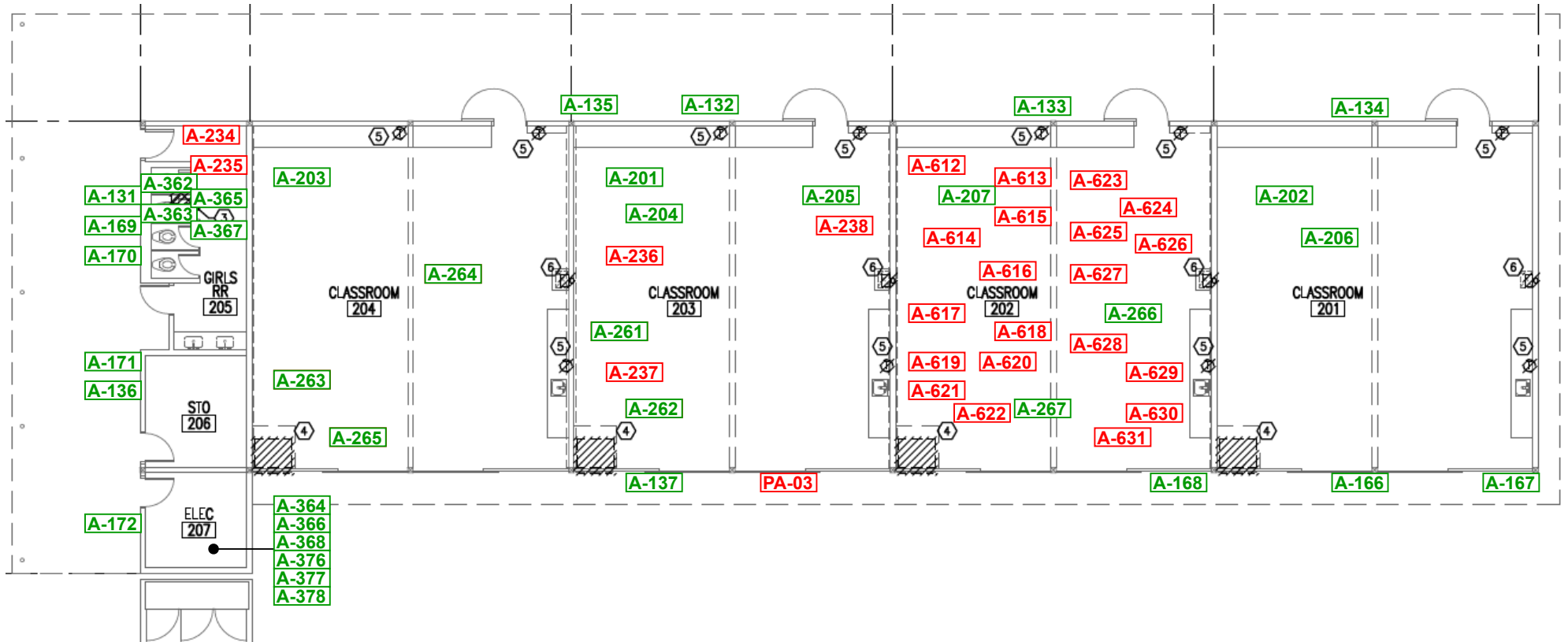
LEGEND:
A = Positive Asbestos Sample Locations
A = Negative Asbestos Sample Locations
PA = Presumed Asbestos Containing Material Locations

Project #: Atch-202117

Lowell Joint School District



Not to Scale



Building 2

Site Drawing - Asbestos - Page 10 of 25

Macy Elementary School
2301 Russell Street
La Habra, California 90631

Project #: Atch-202117

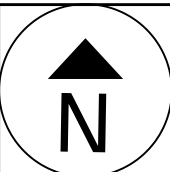
Lowell Joint School District

LEGEND:

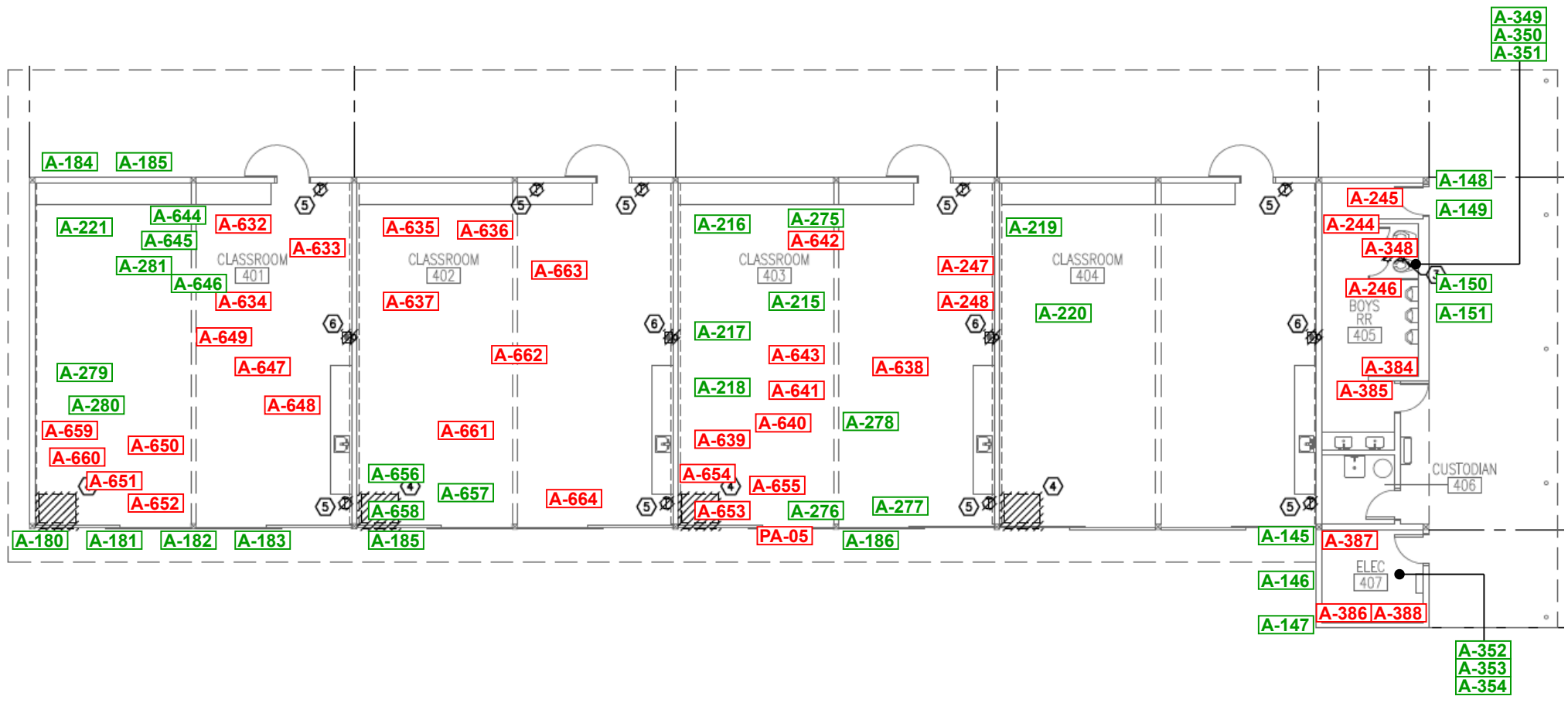
A = Positive Asbestos Sample Locations

A = Negative Asbestos Sample Locations

PA = Presumed Asbestos Containing Material Locations



Not to Scale



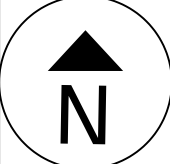
Building 4

Site Drawing - Asbestos - Page 11 of 25

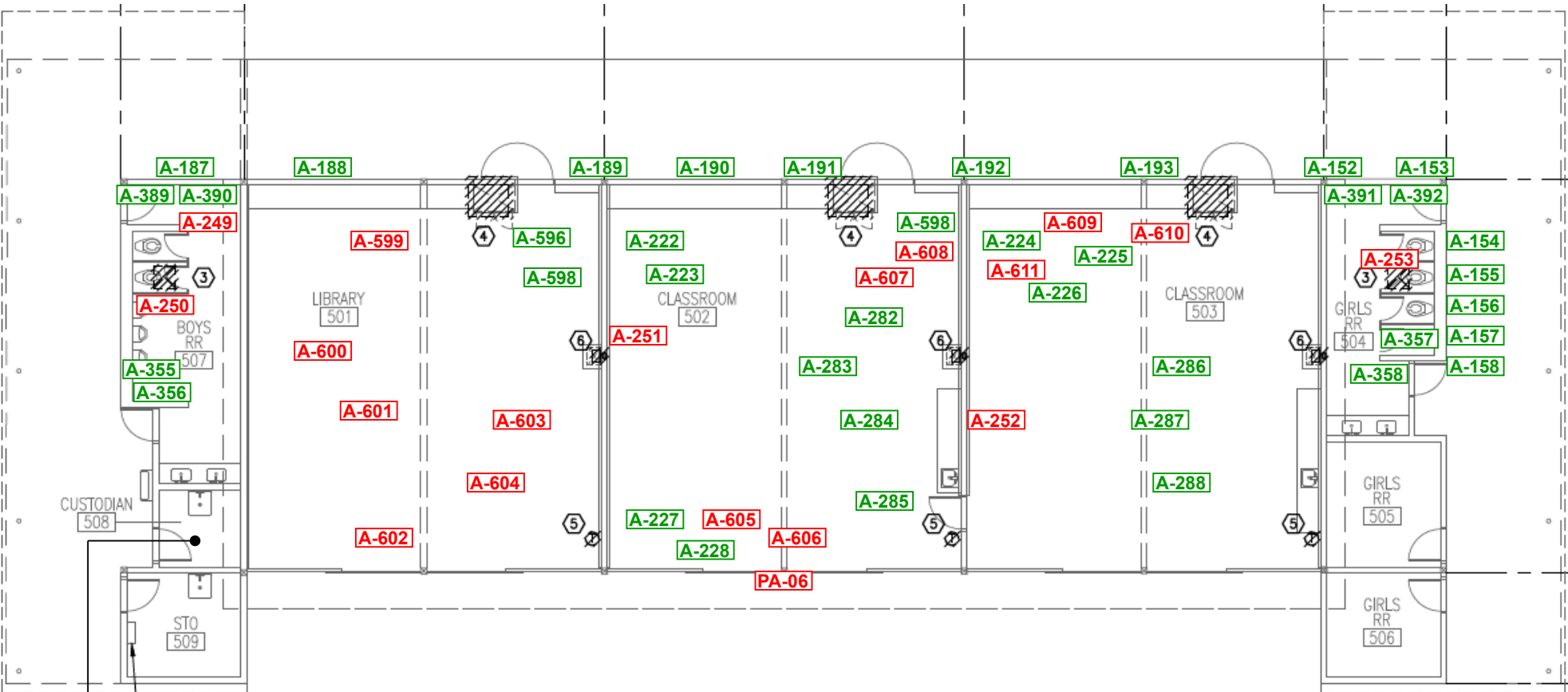
Macy Elementary School
2301 Russell Street
La Habra, California 90631

Project #: Atch-202117 Lowell Joint School District

LEGEND:
A = Positive Asbestos Sample Locations
A = Negative Asbestos Sample Locations
PA = Presumed Asbestos Containing Material Locations



Not to Scale



Building 5

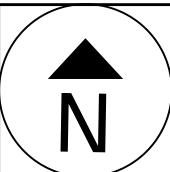
Site Drawing - Asbestos - Page 12 of 25

Macy Elementary School
2301 Russell Street
La Habra, California 90631

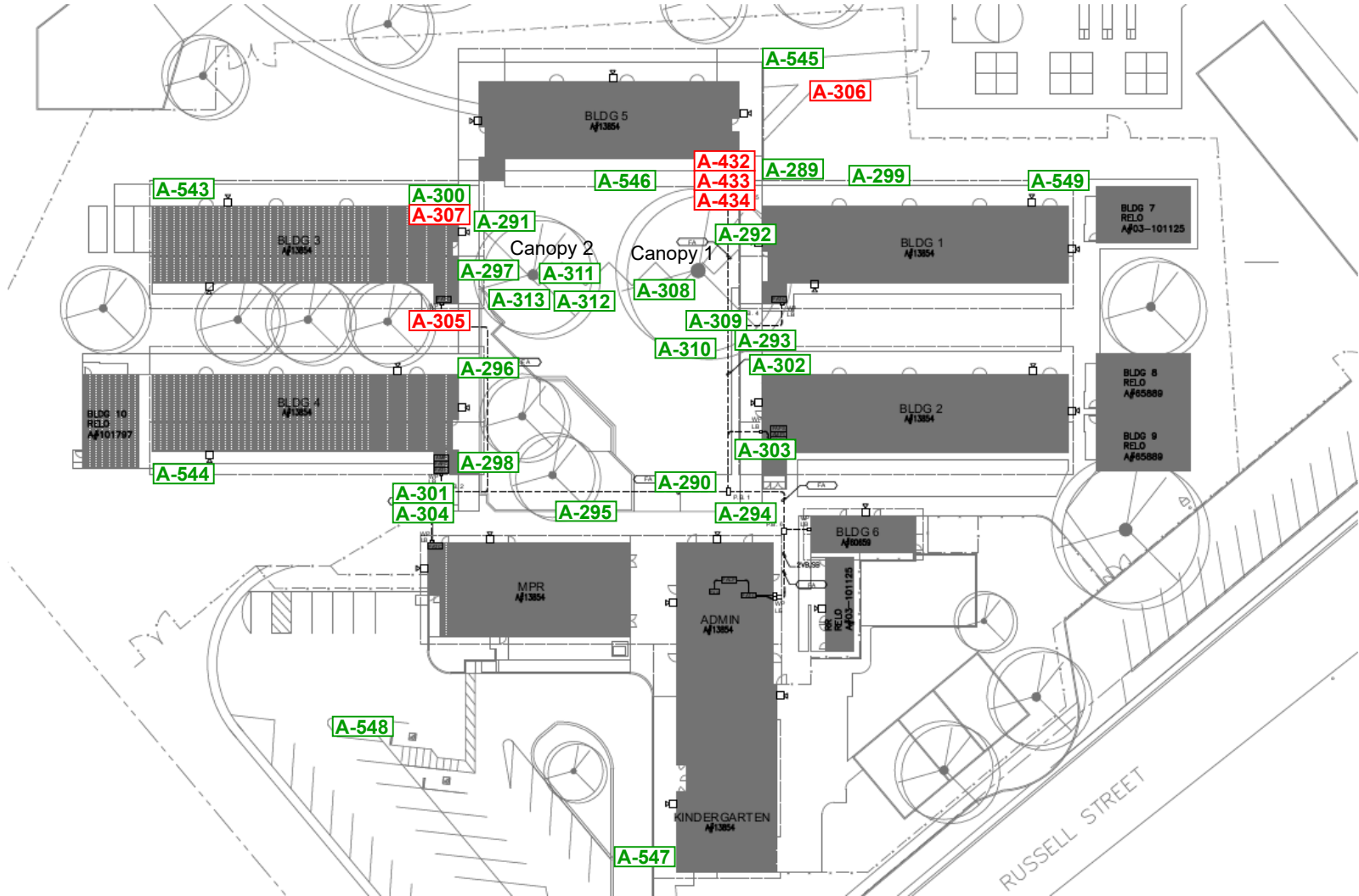
Project #: Atch-202117

Lowell Joint School District

LEGEND:
A = Positive Asbestos Sample Locations
A = Negative Asbestos Sample Locations
PA = Presumed Asbestos Containing Material Locations



Not to Scale



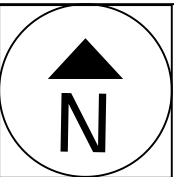
Exterior

Site Drawing - Asbestos - Page 13 of 25

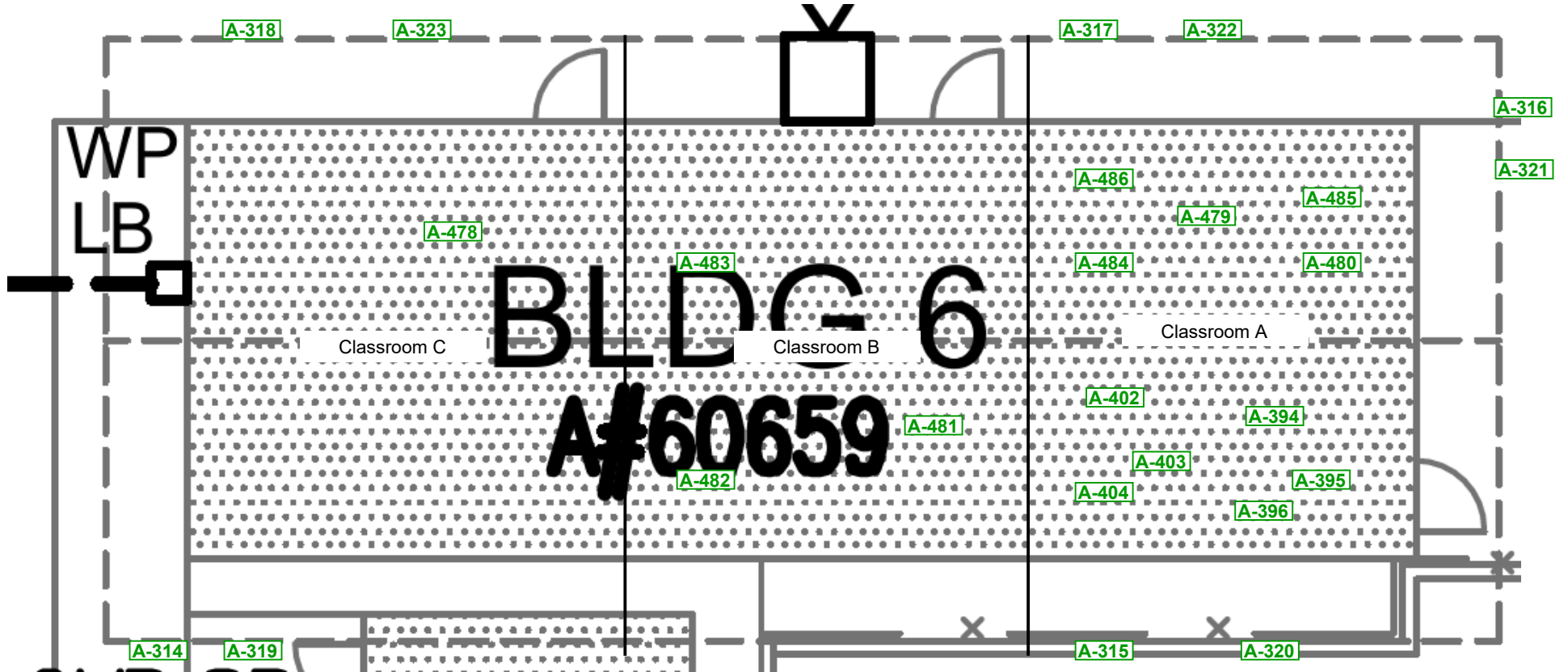
Macy Elementary School
2301 Russell Street
La Habra, California 90631

Project #: Atch-202117 Lowell Joint School District

LEGEND:
A = Positive Asbestos Sample Locations
A = Negative Asbestos Sample Locations



Not to Scale



Building 6

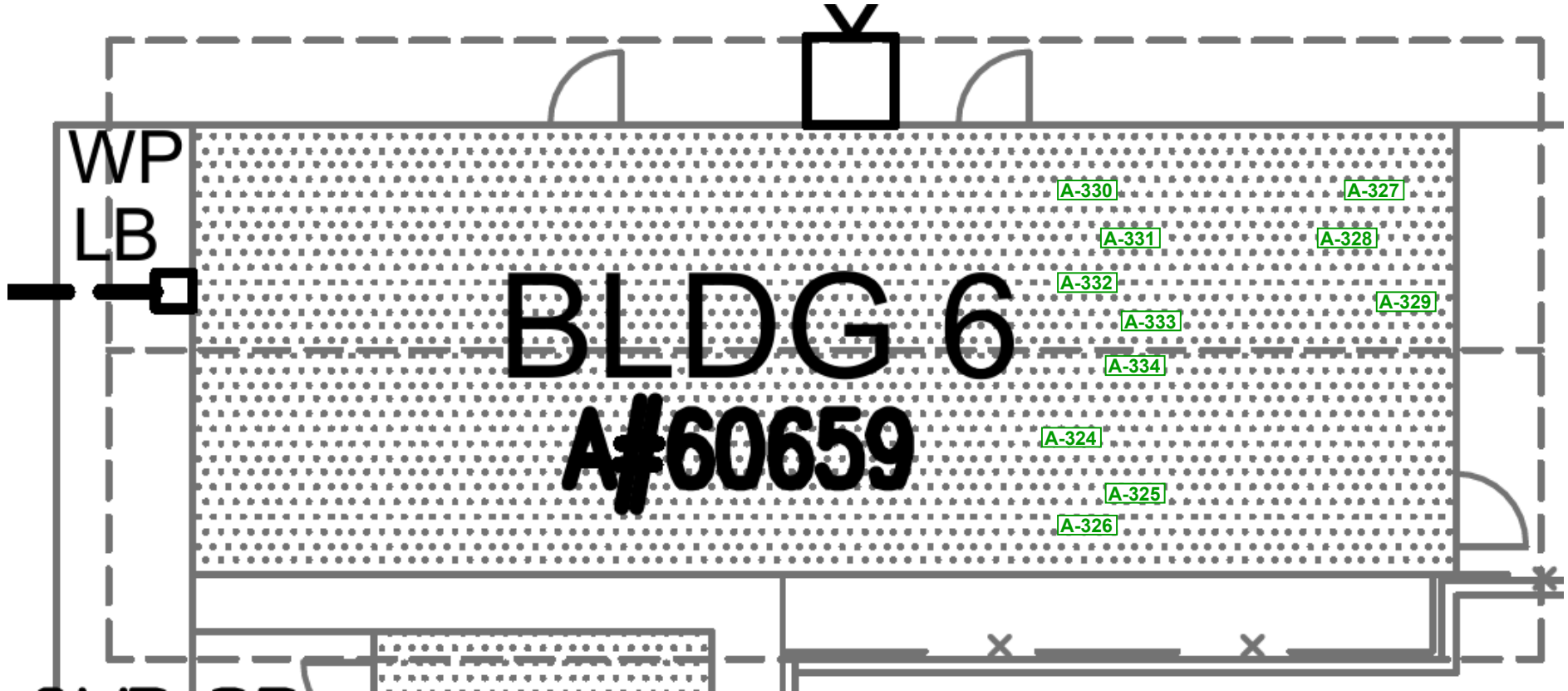
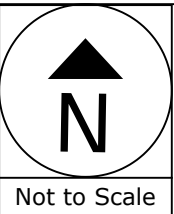
Site Drawing - Asbestos - Page 14 of 25

Macy Elementary School
2301 Russell Street
La Habra, California 90631

Project #: Atch-202117

Lowell Joint School District

LEGEND:
 A = Positive Asbestos Sample Locations
 A = Negative Asbestos Sample Locations



Building 6, Roof

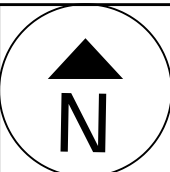
Site Drawing - Asbestos - Page 15 of 25

Macy Elementary School
2301 Russell Street
La Habra, California 90631

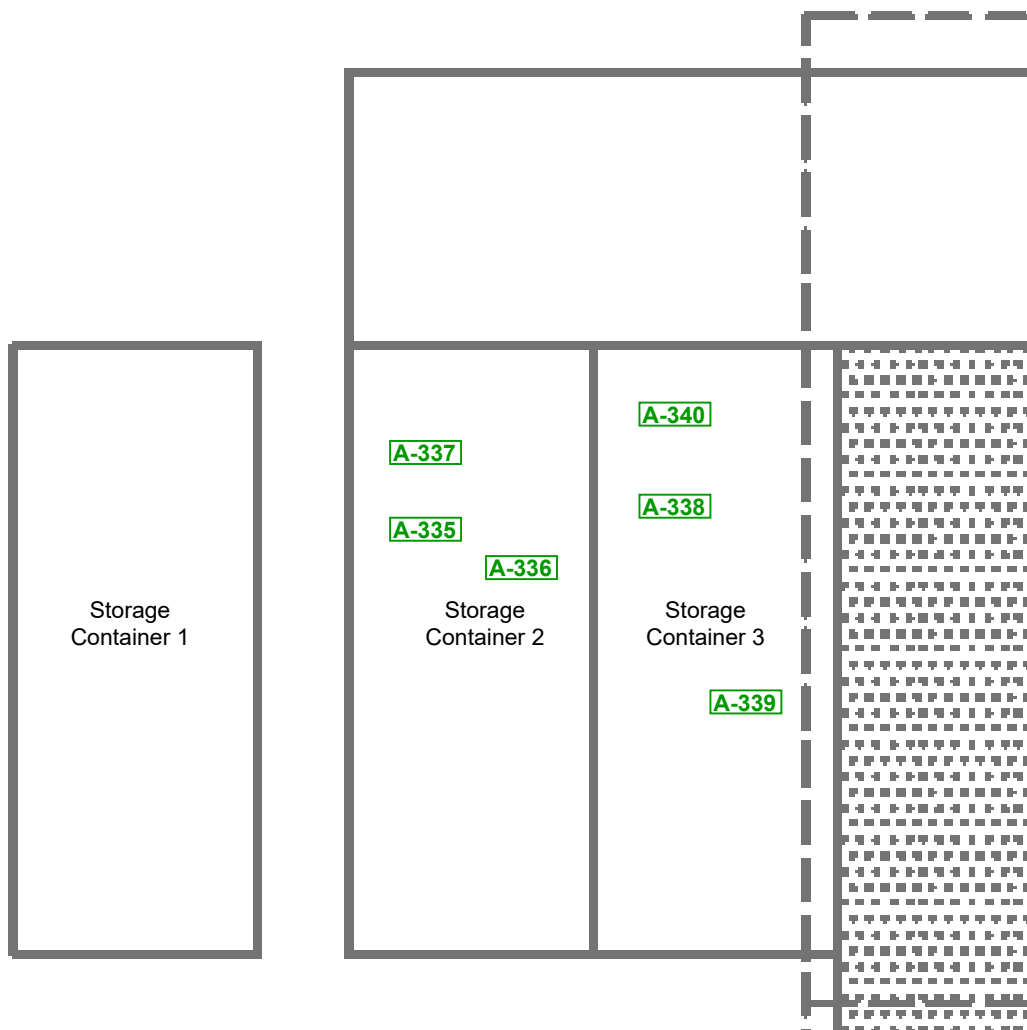
Project #: Atch-202117

Lowell Joint School District

LEGEND:
A = Positive Asbestos Sample Locations
A = Negative Asbestos Sample Locations



Not to Scale



Storage Containers 1, 2 and 3, Roofs

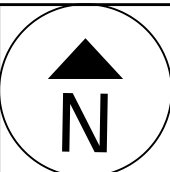
Site Drawing - Asbestos - Page 16 of 25

Macy Elementary School
2301 Russell Street
La Habra, California 90631

Project #: Atch-202117

Lowell Joint School District

LEGEND:
A = Positive Asbestos Sample Locations
A = Negative Asbestos Sample Locations



Not to Scale



Building 7

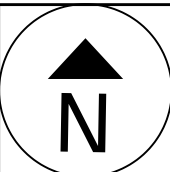
Site Drawing - Asbestos - Page 17 of 25

Macy Elementary School
2301 Russell Street
La Habra, California 90631

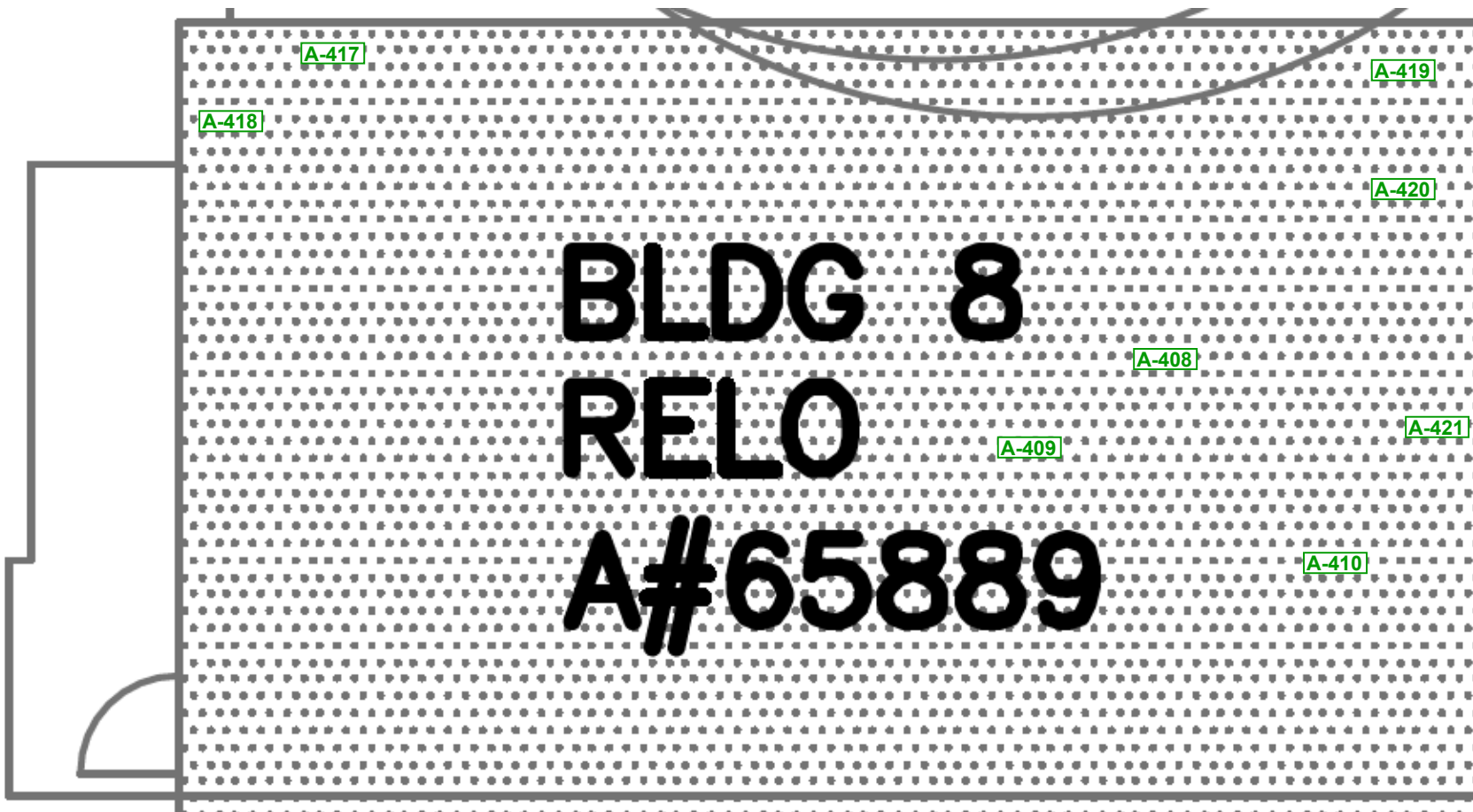
Project #: Atch-202117

Lowell Joint School District

LEGEND:
A = Positive Asbestos Sample Locations
A = Negative Asbestos Sample Locations



Not to Scale



Building 8

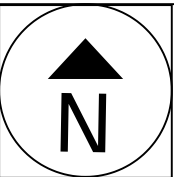
Site Drawing - Asbestos - Page 18 of 25

Macy Elementary School
2301 Russell Street
La Habra, California 90631

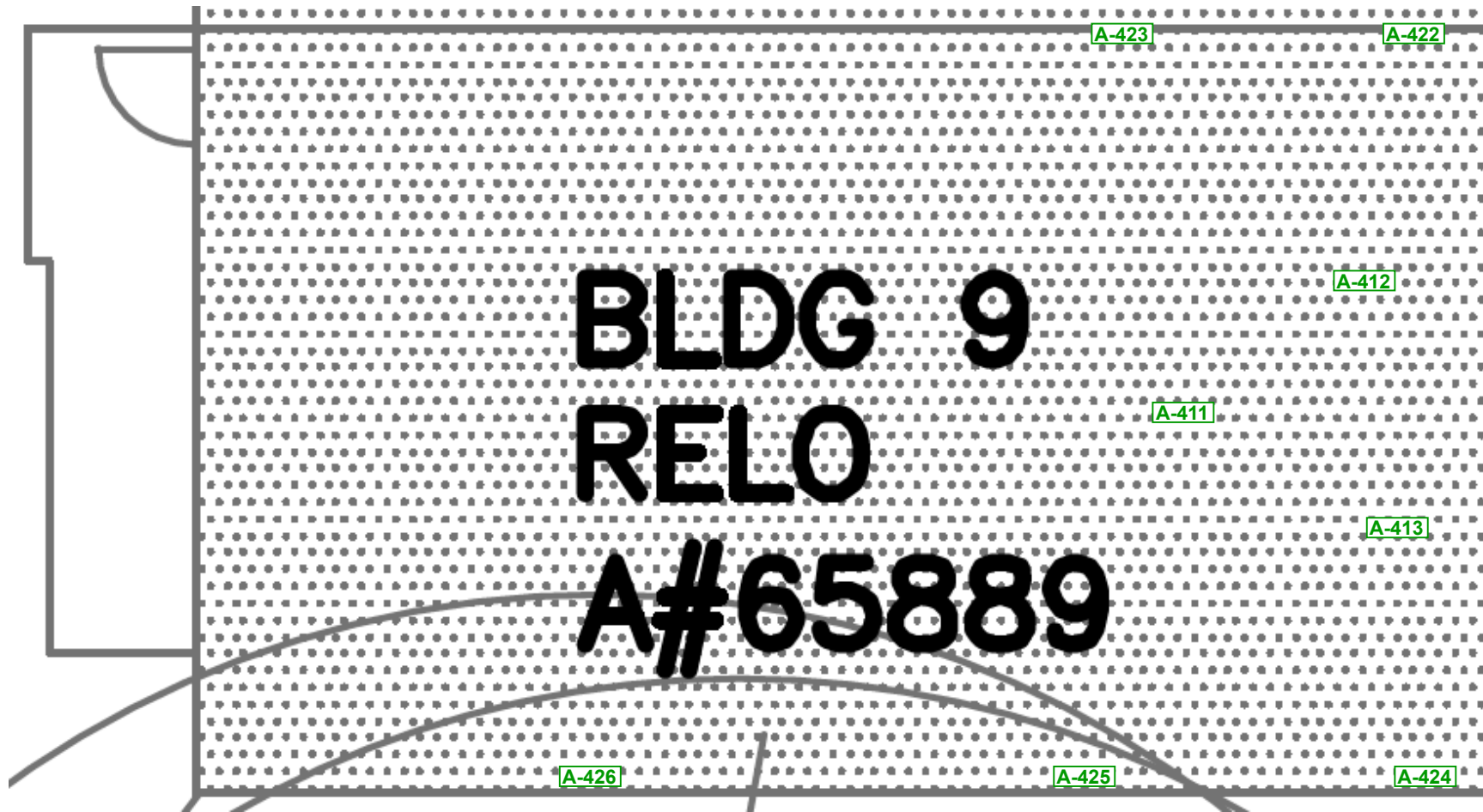
Project #: Atch-202117

Lowell Joint School District

LEGEND:
A = Positive Asbestos Sample Locations
A = Negative Asbestos Sample Locations



Not to Scale



Building 9

Site Drawing - Asbestos - Page 19 of 25

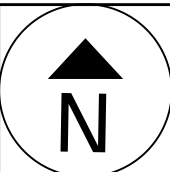
Macy Elementary School
2301 Russell Street
La Habra, California 90631

Project #: Atch-202117

Lowell Joint School District

LEGEND:

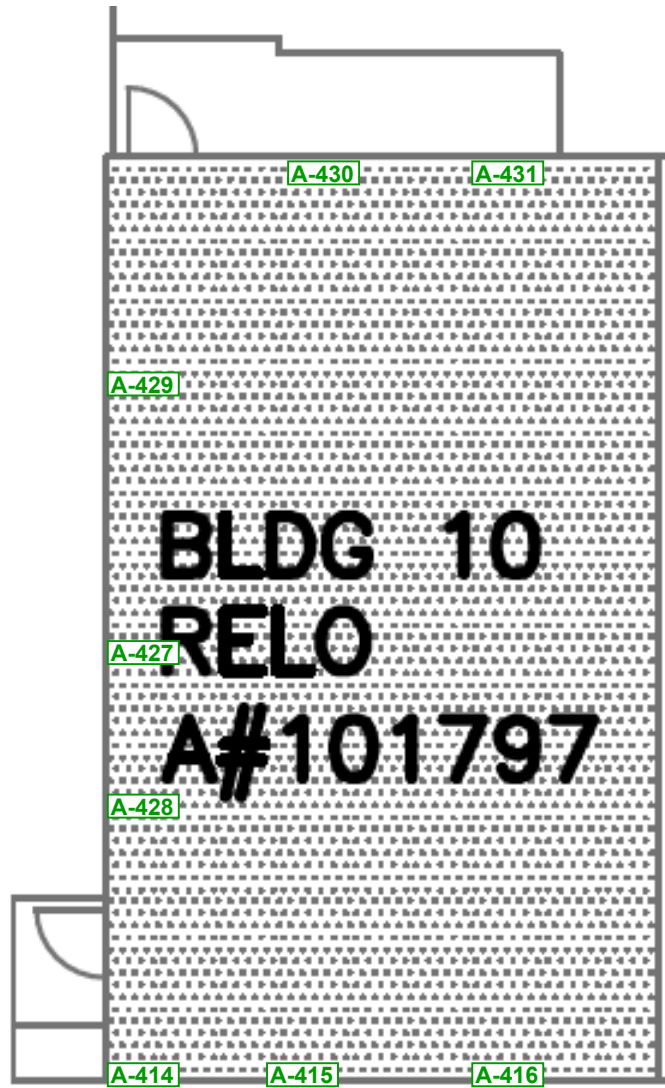
- A** = Positive Asbestos Sample Locations
- G** = Negative Asbestos Sample Locations



Not to Scale



A-Tech Consulting, Inc.



Building 10

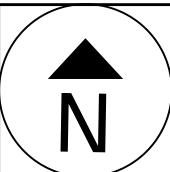
Site Drawing - Asbestos - Page 20 of 25

Macy Elementary School
2301 Russell Street
La Habra, California 90631

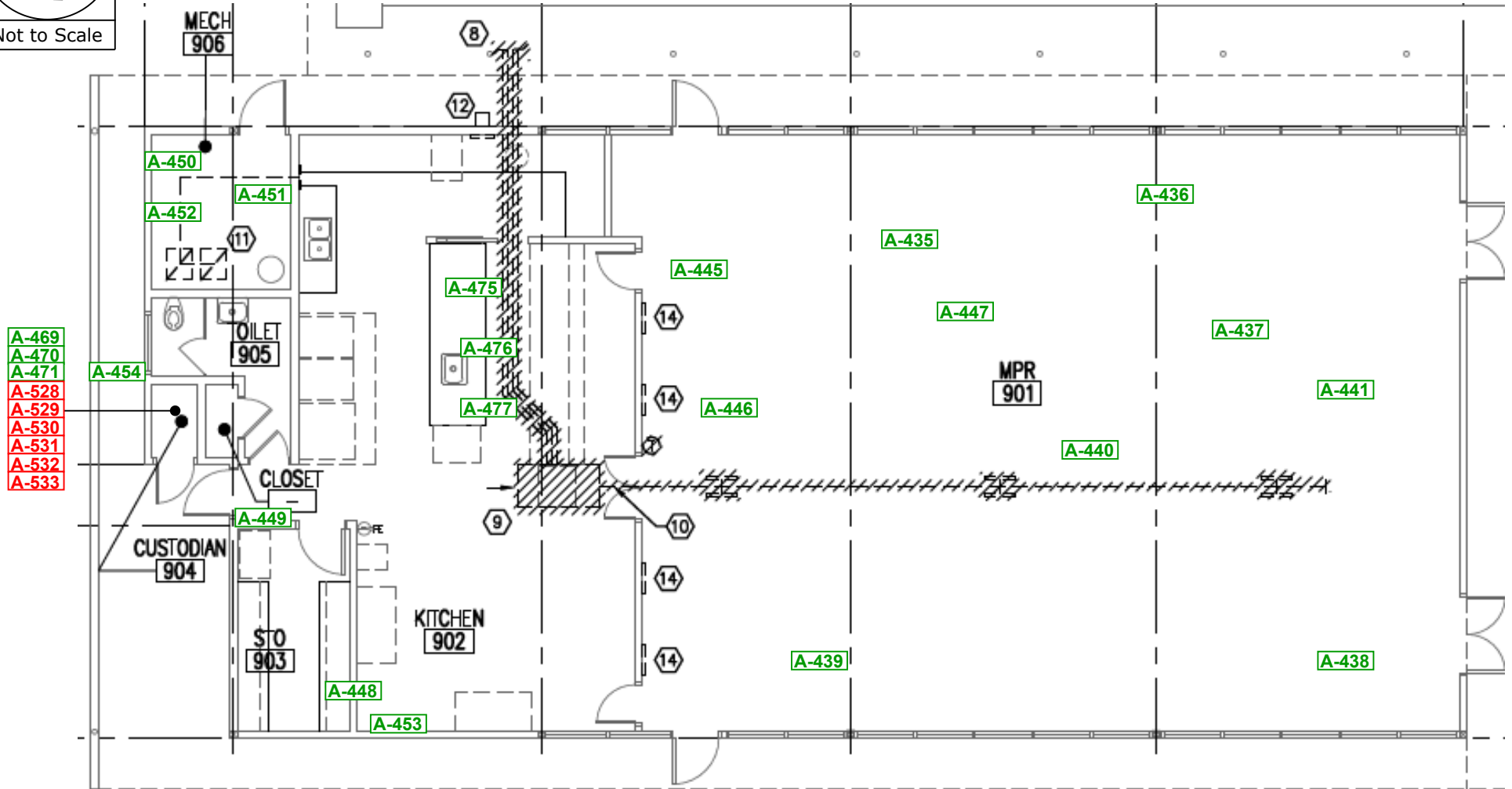
Project #: Atch-202117

Lowell Joint School District

LEGEND:
A = Positive Asbestos Sample Locations
G = Negative Asbestos Sample Locations



Not to Scale



Multi-Purpose Building

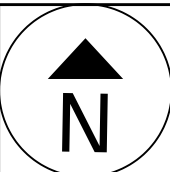
Site Drawing - Asbestos - Page 21 of 25

Macy Elementary School
2301 Russell Street
La Habra, California 90631

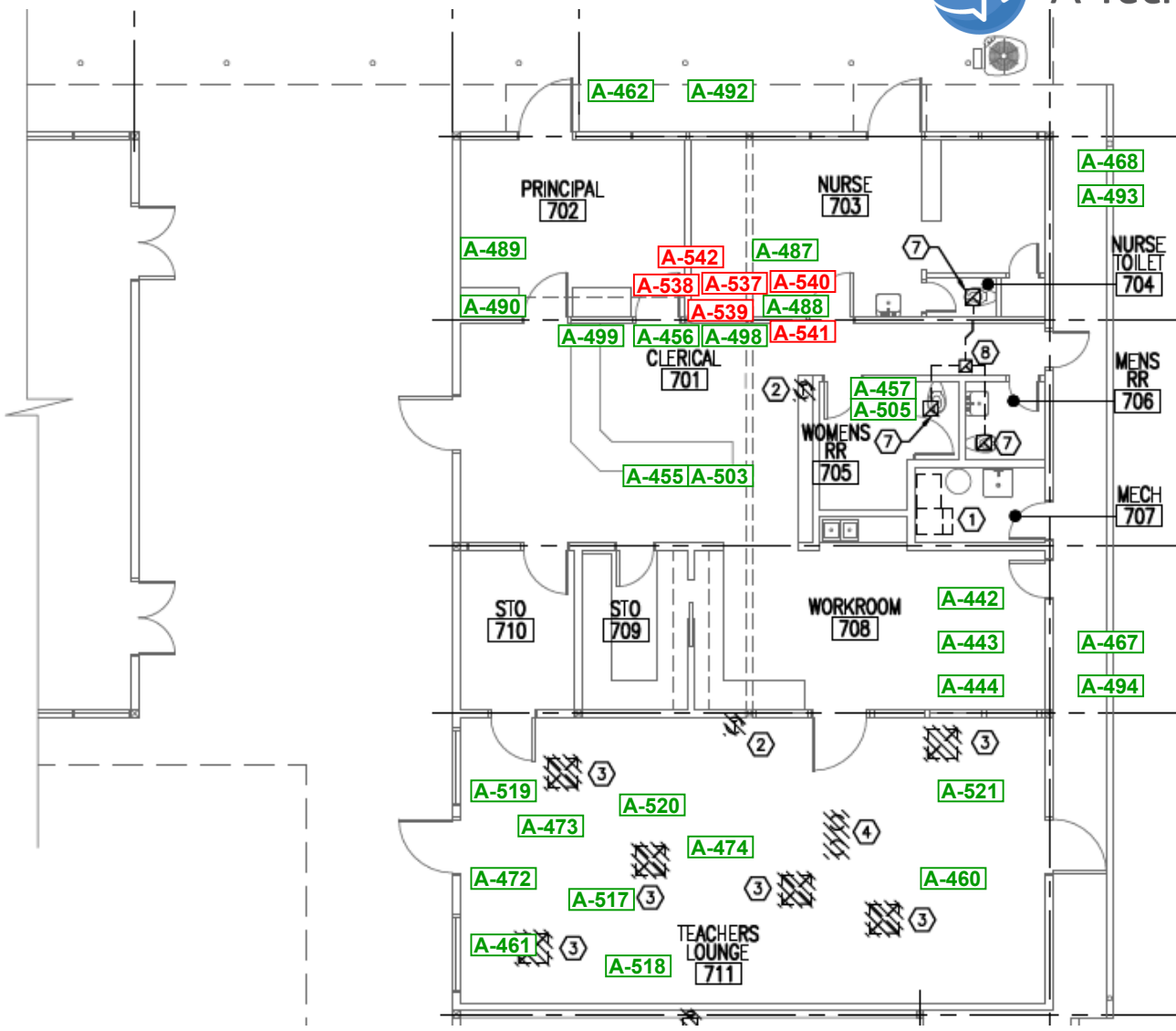
Project #: Atch-202117

Lowell Joint School District

LEGEND:
A = Positive Asbestos Sample Locations
A = Negative Asbestos Sample Locations



Not to Scale



Administration Building

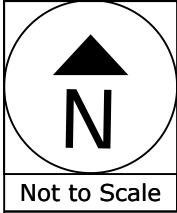
Site Drawing - Asbestos - Page 22 of 25

Macy Elementary School
2301 Russell Street
La Habra, California 90631

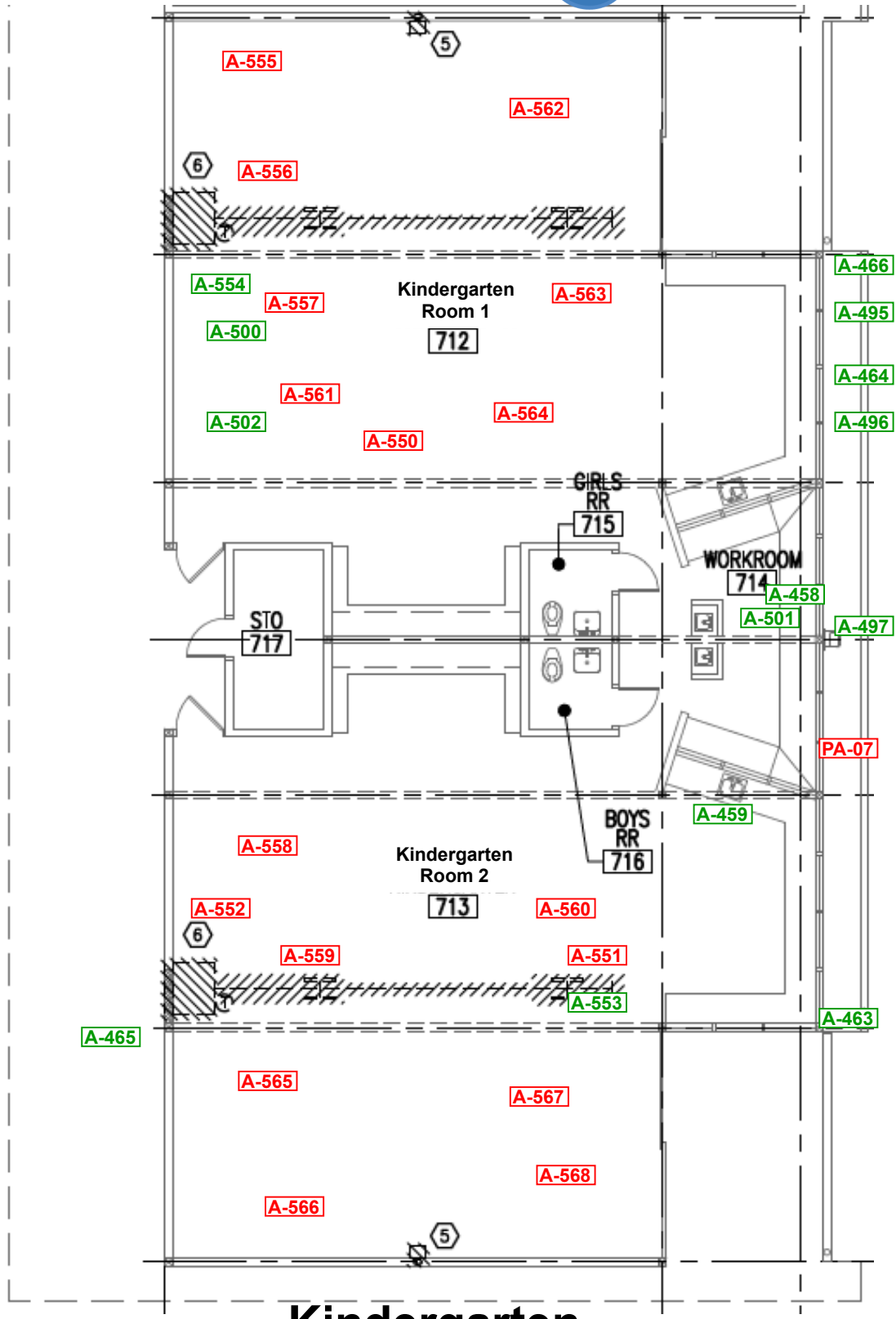
Project #: Atch-202117

Lowell Joint School District

LEGEND:
A = Positive Asbestos Sample Locations
A = Negative Asbestos Sample Locations



Not to Scale



Kindergarten

Site Drawing - Asbestos - Page 23 of 25

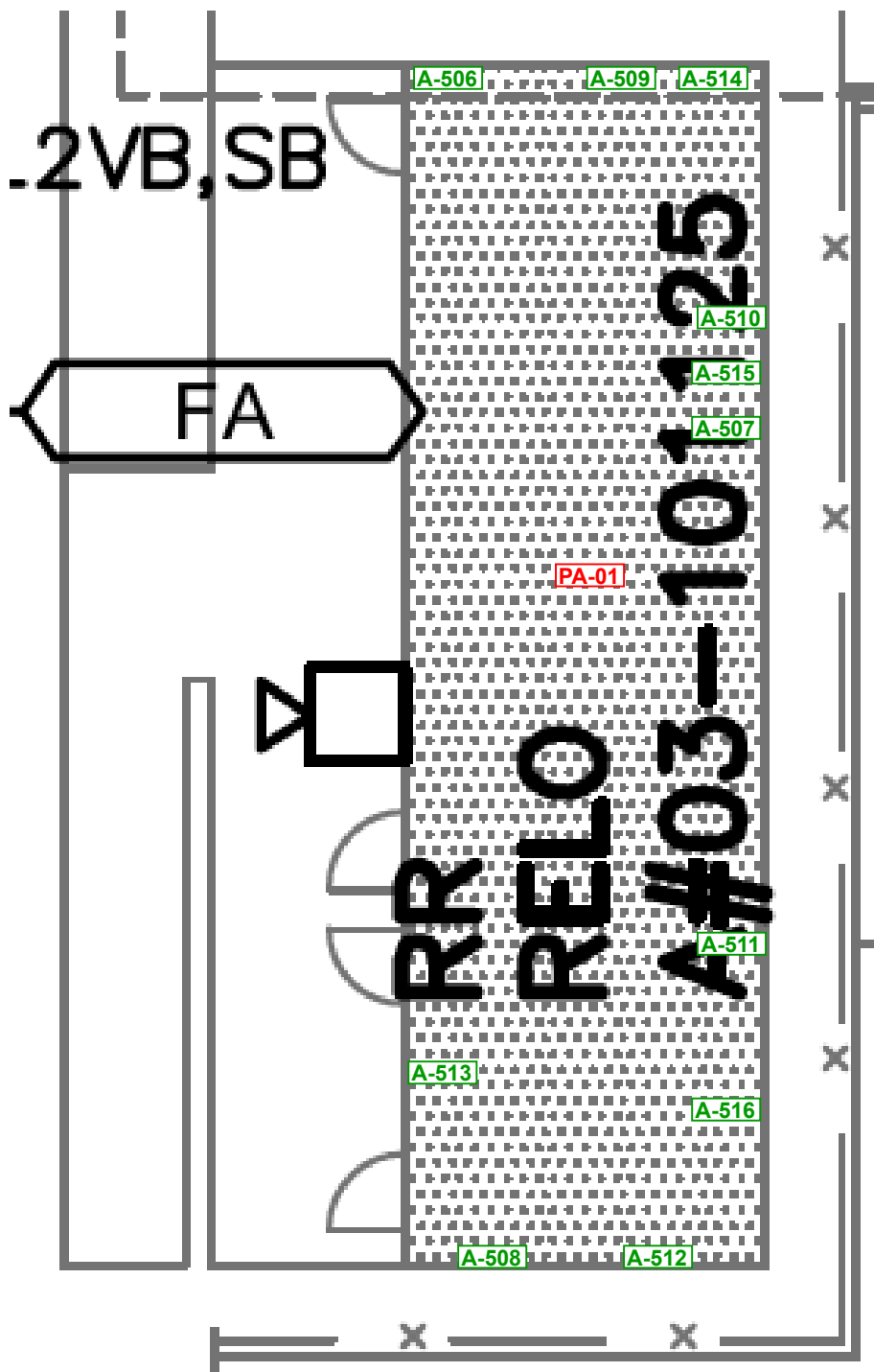
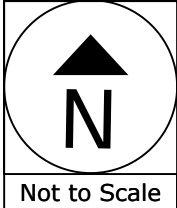
Macy Elementary School
 2301 Russell Street
 La Habra, California 90631

Project #: Atch-202117

Lowell Joint School District

LEGEND:

- A** = Positive Asbestos Sample Locations
- G** = Negative Asbestos Sample Locations
- PA** = Presumed Asbestos Containing Material Locations



Portable Restrooms

Site Drawing - Asbestos - Page 24 of 25

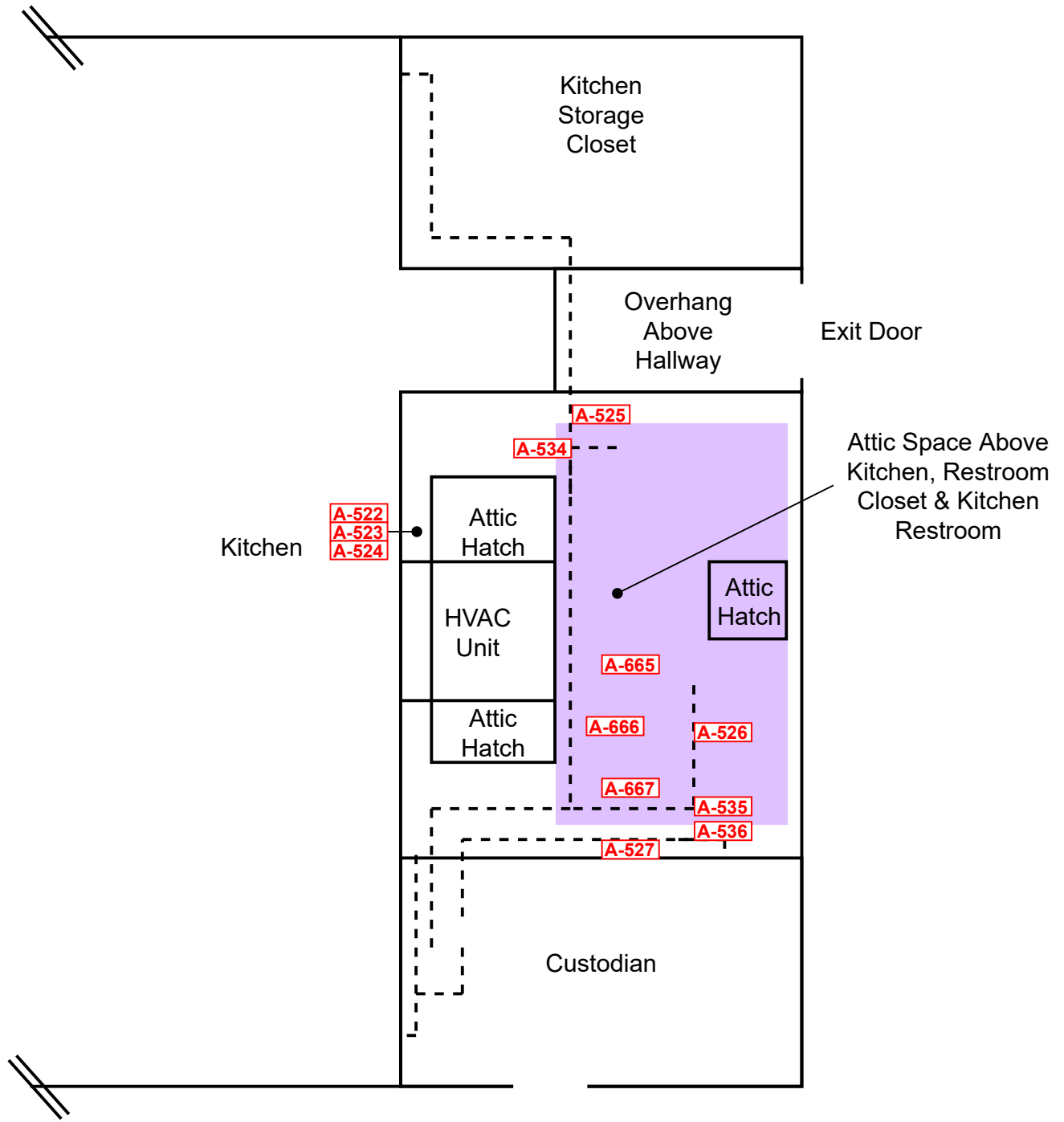
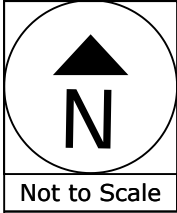
Macy Elementary School
2301 Russell Street
La Habra, California 90631

Project #: Atch-202117

Lowell Joint School District

LEGEND:

- A** = Positive Asbestos Sample Locations
- A** = Negative Asbestos Sample Locations
- PA** = Presumed Asbestos Containing Material Locations



Multi-Purpose Room, Attic

Site Drawing - Asbestos - Page 25 of 25

Macy Elementary School
2301 Russell Street
La Habra, California 90631

Project #: Atch-202117

Lowell Joint School District

LEGEND:

- A = Positive Asbestos Sample Locations
- A = Negative Asbestos Sample Locations
- = TSI Pipe Debris Location
- = TSI Pipe Locations

Digital Photographs - Asbestos

Client: Lowell Joint School District

Project #Atch-202117

Macy Elementary School
2301 Russell Street
La Habra, California 90631



View of 9" x 9" Red/Brown Streaked Resilient Flooring/Resilient Floor Mastic



View of 9"x 9" Blue/Gray Streaked Resilient Flooring/Resilient Floor Mastic



View of 9" x 9" Gray Speckledd Resilient Flooring/Resilient Floor Mastic



View of 9"x 9" White with Blue Speckledd Resilient Flooring/Resilient Floor Mastic



View of 9"x 9" Brown Streaked Resilient Flooring/Resilient Floor Mastic



View of 9"x 9" Gray Streaked Resilient Flooring/Resilient Floor Mastic



View of 9"x 9" Light Tan Resilient Flooring/Resilient Floor Mastic



View of 9"x 9" Orange/Brown Resilient Flooring/Resilient Floor Mastic



View of Gray & White Roof Penetration Mastic



View of Black Roof Penetration Mastic



View of 1'x1' Ceiling Tile with Hockey Puck Mastic



View of Plaster on Buttonboard



View of Drywall with Joint Compound



View of 9" Diameter Transite Pipe



View of Vibration Collar



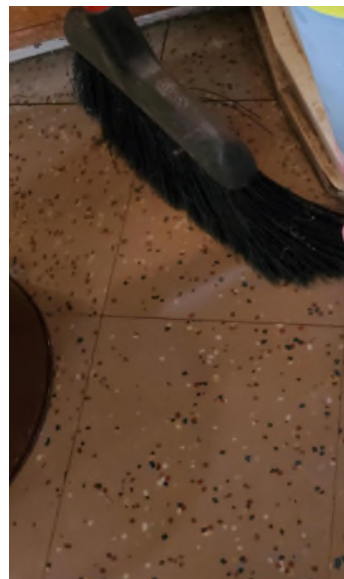
View of 4" Thermal System Insulation (TSI) Pipe Run



View of 4" Thermal System Insulation (TSI) Elbow



View of Carpet Glue Over Resilient Flooring



View of 9"x9" Brown with Rainbow Speckled Resilient Flooring/Resilient Floor Mastic



View of 9"x9" Light Tan with Speckled Resilient Flooring/Resilient Floor Mastic



View of 9"x9" Dark Tan Resilient Flooring/Resilient Floor Mastic



View of 9" x 9" Tan Resilient Flooring/Resilient Floor Mastic



View of 9"x9" Brown/Tan Streaked Resilient Flooring/Resilient Floor Mastic



View of 9"x9" Light Brown with Tan Streaked Resilient Flooring/Resilient Floor Mastic



View of 9"x9" Light Gray Speckled Resilient Flooring/Resilient Floor Mastic



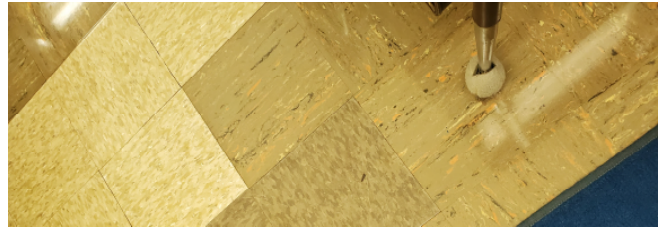
View of 9"x 9" Dark Gray with Pink Streaked Resilient Flooring/Resilient Floor Mastic



View of 9"x 9" Green Resilient Flooring/Resilient Floor Mastic



View of 9"x 9" Orange Resilient Flooring/Resilient Floor Mastic



View of 9"x 9" Dark Tan with Speckled Flooring/Resilient Floor Mastic



View of 12"x12" Orange Resilient Flooring/Resilient Floor Mastic



View of 9"x9" Dark Gray Streaked Resilient Flooring/Resilient Floor Mastic



View of 9"x9" Light Gray Streaked Resilient Flooring/Resilient Floor Mastic



View of 9"x9" Brown with White Streaked Resilient Flooring/Resilient



View of 9"x9" Tan Speckled Resilient Flooring/Resilient Floor Mastic



View of 9"x 9" White with Blue Streaked Resilient Flooring/Resilient Floor Mastic



View of 9"x9" White Speckled Resilient Flooring/Resilient Floor Mastic



View of 9"x 9" Gray with White Streaked Resilient Flooring/Resilient Floor Mastic



View of 12"x12" White Resilient Flooring/Resilient Floor Mastic



View of 9"x9" Gray with Pink Streaked Resilient Flooring/Resilient Floor Mastic



View of Debris



CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 231 Russell Street, La Habra, Ca 92631

Collected Date: 8/14/2020
 Date Received: 8/14/2020
 CAGX Job #: 20081407
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0001 20081407-01	Building 3. Room 301/ 9" x 9" an Resilent Flooring/ Resilient Floor Mastic	Beige Homogeneous Non- Fibrous Floor Tile	2%	Cellulose 98%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0001 20081407-01A	Building 3. Room 301/ 9" x 9" an Resilent Flooring/ Resilient Floor Mastic	Grey Homogeneous Non- Fibrous Mastic	2% 3%	Cellulose, Synth Fiber 95%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0002 20081407-02	Building 3. Room 301/ 9" x 9" an Resilent Flooring/ Resilient Floor Mastic	Beige Homogeneous Non- Fibrous Floor Tile	2%	Cellulose 98%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0002 20081407-02A	Building 3. Room 301/ 9" x 9" an Resilent Flooring/ Resilient Floor Mastic	Black Homogeneous Non- Fibrous Mastic	3% 5%	Cellulose, Synth Fiber 92%	Non-fibrous (Other), Tar	No	None Detected

The analysis report was performed and analyzed in accordance with the procedure outlined in the US Federal Register 40 CFR Appendix E to Subpart E of Part 763 - Interim Method of the Determination of Asbestos in Bulk Insulation Samples; EPA-600/R-93/116 and EPA-600/M4-82-020. The limit of detection for this analytical method is one percent. CAGX bears no responsibility for sample collection activities or analytical method limitations. Non-friable organically bound materials present a problem matrix and therefore CAGX recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting. CAGX Lab and its personnel shall not be liable for any misinformation provided to us by the client regarding these samples or for any misuse or interpretation of information supplied by us. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. This report relates only to samples submitted and analyzed. This report may not be reproduced except in full, without the written approval by CAGX laboratory.
 Samples analyzed by CAGX Lab, Irvine CA, NVLAP Lab Code 600229-0



CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 231 Russell Street, La Habra, Ca 92631

Collected Date: 8/14/2020
 Date Received: 8/14/2020
 CAGX Job #: 20081407
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0003 20081407-03	Building 3. Room 301/ 9" x 9" an Resilent Flooring/ Resilient Floor Mastic	Beige Homogeneous Non- Fibrous Floor Tile	2%	Cellulose 98% Binder, Non- fibrous (Other)	No	None Detected
202117-A-0003 20081407-03A	Building 3. Room 301/ 9" x 9" an Resilent Flooring/ Resilient Floor Mastic	Grey Homogeneous Non- Fibrous Mastic	2% 3%	Cellulose, Synth Fiber 95% Binder, Non- fibrous (Other)	No	None Detected
202117-A-0004 20081407-04	Building 3, Room 302/ 9" x 9" Red Brown Streaked Resilient Floor Mastic	Tan Homogeneous Non- Fibrous Floor Tile		98% Binder, Non- fibrous (Other), Quartz	Yes 2%	Chrysotile
202117-A-0004 20081407-04A	Building 3, Room 302/ 9" x 9" Red Brown Streaked Resilient Floor Mastic	Black Homogeneous Non- Fibrous Mastic		98% Non-fibrous (Other), Quartz, Tar	Yes 2%	Chrysotile

The analysis report was performed and analyzed in accordance with the procedure outlined in the US Federal Register 40 CFR Appendix E to Subpart E of Part 763 - Interim Method of the Determination of Asbestos in Bulk Insulation Samples; EPA-600/R-93/116 and EPA-600/M4-82-020. The limit of detection for this analytical method is one percent. CAGX bears no responsibility for sample collection activities or analytical method limitations. Non-friable organically bound materials present a problem matrix and therefore CAGX recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting. CAGX Lab and its personnel shall not be liable for any misinformation provided to us by the client regarding these samples or for any misuse or interpretation of information supplied by us. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. This report relates only to samples submitted and analyzed. This report may not be reproduced except in full, without the written approval by CAGX laboratory.
 Samples analyzed by CAGX Lab, Irvine CA, NVLAP Lab Code 600229-0



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 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 231 Russell Street, La Habra, Ca 92631

Collected Date: 8/14/2020
 Date Received: 8/14/2020
 CAGX Job #: 20081407
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0005 20081407-05	Building 3, Room 302/ 9" x 9" Red Brown Streaked Resilient Floor Mastic	Tan Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other), Quartz	Yes 2%	Chrysotile
202117-A-0005 20081407-05A	Building 3, Room 302/ 9" x 9" Red Brown Streaked Resilient Floor Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Quartz, Tar	Yes 2%	Chrysotile
202117-A-0006 20081407-06	Building 3, Room 302/ 9" x 9" Red Brown Streaked Resilient Floor Mastic	Tan Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other), Quartz	Yes 2%	Chrysotile
202117-A-0006 20081407-06A	Building 3, Room 302/ 9" x 9" Red Brown Streaked Resilient Floor Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Quartz, Tar	Yes 3%	Chrysotile

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CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 231 Russell Street, La Habra, Ca 92631

Collected Date: 8/14/2020
 Date Received: 8/14/2020
 CAGX Job #: 20081407
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0007 20081407-07	Building 3, Room 304/ 9" x 9" Blue Grey Streaked Resilient Flooring/ Resilient Floor Mastic	Grey Homogeneous Non- Fibrous Floor Tile		100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0007 20081407-07A	Building 3, Room 304/ 9" x 9" Blue Grey Streaked Resilient Flooring/ Resilient Floor Mastic	Black Homogeneous Non- Fibrous Mastic	2% 3%	Cellulose, Synth Fiber	93% Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-0008 20081407-08	Building 3, Room 304/ 9" x 9" Blue Grey Streaked Resilient Flooring/ Resilient Floor Mastic	Grey Homogeneous Non- Fibrous Floor Tile		100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0008 20081407-08A	Building 3, Room 304/ 9" x 9" Blue Grey Streaked Resilient Flooring/ Resilient Floor Mastic	Black Homogeneous Non- Fibrous Mastic	2% 3%	Cellulose, Synth Fiber	93% Non-fibrous (Other), Tar	Yes 2%	Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0009 20081407-09	Building 3, Room 304/ 9" x 9" Blue Grey Streaked Resilient Flooring/ Resilient Floor Mastic	Grey Homogeneous Non- Fibrous Floor Tile		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-0009 20081407-09A	Building 3, Room 304/ 9" x 9" Blue Grey Streaked Resilient Flooring/ Resilient Floor Mastic	Black Homogeneous Non- Fibrous Mastic	2% 3%	Cellulose, Synth Fiber	93% Non-fibrous (Other), Tar	Yes 2% Chrysotile
202117-A-0010 20081407-10	Building 3, Room 304/ 9" x 9" Grey Speckled Resilient Flooring Resilient Floor Mastic	Beige, Grey Homogeneous Non- Fibrous Floor Tile		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-0010 20081407-10A	Building 3, Room 304/ 9" x 9" Grey Speckled Resilient Flooring Resilient Floor Mastic	Black, Yellow Homogeneous Non- Fibrous Mastic		98% Glues, Non- fibrous (Other), Tar	Yes 2%	Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0011 20081407-11	Building 3, Room 304/ 9" x 9" Grey Speckled Resilient Flooring Resilient Floor Mastic	Beige, Grey Homogeneous Non- Fibrous Floor Tile		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-0011 20081407-11A	Building 3, Room 304/ 9" x 9" Grey Speckled Resilient Flooring Resilient Floor Mastic	Black, Yellow Homogeneous Non- Fibrous Mastic		99% Glues, Non- fibrous (Other), Tar	Yes	<1% Chrysotile
202117-A-0012 20081407-12	Building 3, Room 304/ 9" x 9" Grey Speckled Resilient Flooring Resilient Floor Mastic	Beige, Grey Homogeneous Non- Fibrous Floor Tile		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-0012 20081407-12A	Building 3, Room 304/ 9" x 9" Grey Speckled Resilient Flooring Resilient Floor Mastic	Black, Yellow Homogeneous Non- Fibrous Mastic		98% Glues, Non- fibrous (Other), Tar	Yes	2% Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0013 20081407-13	Building 3, Room 301/ 9" x 9" White with Blue Speckles Resilient Flooring/ Resilient Floor Mastic	White Homogeneous Non- Fibrous Floor Tile		100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0013 20081407-13A	Building 3, Room 301/ 9" x 9" White with Blue Speckles Resilient Flooring/ Resilient Floor Mastic	Black, Yellow Homogeneous Non- Fibrous Mastic	2% 3%	Cellulose, Synth Fiber	93% Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-0014 20081407-14	Building 3, Room 301/ 9" x 9" White with Blue Speckles Resilient Flooring/ Resilient Floor Mastic	White Homogeneous Non- Fibrous Floor Tile		100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0014 20081407-14A	Building 3, Room 301/ 9" x 9" White with Blue Speckles Resilient Flooring/ Resilient Floor Mastic	Black, Yellow Homogeneous Non- Fibrous Mastic	2% 3%	Cellulose, Synth Fiber	93% Non-fibrous (Other), Tar	Yes 2%	Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0015 20081407-15	Building 3, Room 301/ 9" x 9" White with Blue Speckles Resilient Flooring/ Resilient Floor Mastic	White Homogeneous Non- Fibrous Floor Tile		100% Binder, Non-fibrous (Other)	No	None Detected
202117-A-0015 20081407-15A	Building 3, Room 301/ 9" x 9" White with Blue Speckles Resilient Flooring/ Resilient Floor Mastic	Black, Yellow Homogeneous Non- Fibrous Mastic	2% 3%	Cellulose, Synth Fiber	93% Non-fibrous (Other), Tar	Yes 2% Chrysotile
202117-A-0016 20081407-16	Building 3, Room 302/ 9" x 9" Brown Streaked Resilient Flooring/ Resilient Floor Mastic	Tan Homogeneous Non- Fibrous Floor Tile		98% Binder, Non-fibrous (Other)	Yes 2%	Chrysotile
202117-A-0016 20081407-16A	Building 3, Room 302/ 9" x 9" Brown Streaked Resilient Flooring/ Resilient Floor Mastic	Black Homogeneous Non- Fibrous Mastic		97% Non-fibrous (Other), Quartz, Tar	Yes 3%	Chrysotile

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 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0017 20081407-17	Building 3, Room 302/ 9" x 9" Brown Streaked Resilient Flooring/ Resilient Floor Mastic	Tan Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-0017 20081407-17A	Building 3, Room 302/ 9" x 9" Brown Streaked Resilient Flooring/ Resilient Floor Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Quartz, Tar	Yes 3%	Chrysotile
202117-A-0018 20081407-18	Building 3, Room 302/ 9" x 9" Brown Streaked Resilient Flooring/ Resilient Floor Mastic	Tan Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-0018 20081407-18A	Building 3, Room 302/ 9" x 9" Brown Streaked Resilient Flooring/ Resilient Floor Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Quartz, Tar	Yes 3%	Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0019 20081407-19	Building 3, Room 301/ 9" x 9" Grey Streaked Resilient Flooring/ Resilient Floor Mastic	Grey Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-0019 20081407-19A	Building 3, Room 301/ 9" x 9" Grey Streaked Resilient Flooring/ Resilient Floor Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Quartz, Tar	Yes 2%	Chrysotile
202117-A-0020 20081407-20	Building 3, Room 301/ 9" x 9" Grey Streaked Resilient Flooring/ Resilient Floor Mastic	Grey Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-0020 20081407-20A	Building 3, Room 301/ 9" x 9" Grey Streaked Resilient Flooring/ Resilient Floor Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Quartz, Tar	Yes 2%	Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type	
			% Fibrous	% Non-Fibrous			
202117-A-0021 20081407-21	Building 3, Room 301/ 9" x 9" Grey Streaked Resilient Flooring/ Resilient Floor Mastic	Grey Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile	
202117-A-0021 20081407-21A	Building 3, Room 301/ 9" x 9" Grey Streaked Resilient Flooring/ Resilient Floor Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Quartz, Tar	Yes 2%	Chrysotile	
202117-A-0022 20081407-22	Building 3. Room 301/ 9" x 9" Light Tan Resilient Flooring/ Resilient Floor Mastic	White Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected	
202117-A-0022 20081407-22A	Building 3. Room 301/ 9" x 9" Light Tan Resilient Flooring/ Resilient Floor Mastic	Black, Yellow Homogeneous Non- Fibrous Mastic	2% 3%	Cellulose, Synth Fiber	93% Non-fibrous (Other), Tar	Yes 2%	Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0023 20081407-23	Building 3. Room 301/ 9" x 9" Light Tan Resilient Flooring/ Resilient Floor Mastic	White Homogeneous Non- Fibrous Floor Tile		100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0023 20081407-23A	Building 3. Room 301/ 9" x 9" Light Tan Resilient Flooring/ Resilient Floor Mastic	Black, Yellow Homogeneous Non- Fibrous Mastic	2% 3%	Cellulose, Synth Fiber	93% Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-0024 20081407-24	Building 3. Room 301/ 9" x 9" Light Tan Resilient Flooring/ Resilient Floor Mastic	White Homogeneous Non- Fibrous Floor Tile		100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0024 20081407-24A	Building 3. Room 301/ 9" x 9" Light Tan Resilient Flooring/ Resilient Floor Mastic	Black, Yellow Homogeneous Non- Fibrous Mastic	2% 3%	Cellulose, Synth Fiber	93% Non-fibrous (Other), Tar	Yes 2%	Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0025 20081407-25	Building 3, Room 304/ 9" x 9" Orange Brown Resilient Flooring /Resilient Floor Mastic	Tan Homogeneous Non- Fibrous Floor Tile		98% Non-fibrous (Other)	Yes 2%	Chrysotile
202117-A-0025 20081407-25A	Building 3, Room 304/ 9" x 9" Orange Brown Resilient Flooring /Resilient Floor Mastic	Black Homogeneous Non- Fibrous Mastic	2% Cellulose, 2% Synth Fiber	94% Non-fibrous (Other)	Yes 2%	Chrysotile
202117-A-0026 20081407-26	Building 3, Room 304/ 9" x 9" Orange Brown Resilient Flooring /Resilient Floor Mastic	Tan Homogeneous Non- Fibrous Floor Tile		98% Non-fibrous (Other)	Yes 2%	Chrysotile
202117-A-0026 20081407-26A	Building 3, Room 304/ 9" x 9" Orange Brown Resilient Flooring /Resilient Floor Mastic	Black Homogeneous Non- Fibrous Mastic	2% Cellulose, 2% Synth Fiber	94% Non-fibrous (Other)	Yes 2%	Chrysotile

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CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

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 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 231 Russell Street, La Habra, Ca 92631

Collected Date: 8/14/2020
 Date Received: 8/14/2020
 CAGX Job #: 20081407
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0027 20081407-27	Building 3, Room 304/ 9" x 9" Orange Brown Resilient Flooring /Resilient Floor Mastic	Tan Homogeneous Non- Fibrous Floor Tile		98% Non-fibrous (Other)	Yes 2%	Chrysotile
202117-A-0027 20081407-27A	Building 3, Room 304/ 9" x 9" Orange Brown Resilient Flooring /Resilient Floor Mastic	Black Homogeneous Non- Fibrous Mastic	2% 2%	Cellulose, Synth Fiber	94% Non-fibrous (Other)	Yes 2% Chrysotile
202117-A-0028 20081407-28	Building 3, Roof/ Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	3% 15%	Cellulose, Fiber Glass	82% Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0028 20081407-28A	Building 3, Roof/ Rolled Roof	Orange Homogeneous Fibrous Insulation	70%	Mineral Wool	30% Non-fibrous (Other)	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0028 20081407-28B	Building 3, Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	15% 3%	Cellulose, Fiber Glass	82% Non-fibrous (Other), Tar	No	None Detected
202117-A-0028 20081407-28C	Building 3, Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	3% 5%	Cellulose, Fiber Glass	92% Non-fibrous (Other), Tar	No	None Detected
202117-A-0028 20081407-28D	Building 3, Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	5% 20%	Cellulose, Fiber Glass	75% Non-fibrous (Other), Tar	No	None Detected
202117-A-0028 20081407-28E	Building 3, Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	3% 5%	Cellulose, Fiber Glass	92% Non-fibrous (Other), Tar	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0028 20081407-28F	Building 3, Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	20% 3%	Cellulose, Fiber Glass	77% Non-fibrous (Other), Tar	No	None Detected
202117-A-0028 20081407-28G	Building 3, Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	5% 5%	Cellulose, Fiber Glass	90% Non-fibrous (Other), Tar	No	None Detected
202117-A-0029 20081407-29	Building 3, Roof/ Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	3% 15%	Cellulose, Fiber Glass	82% Non-fibrous (Other), Quartz, Tar	No	None Detected
202117-A-0029 20081407-29A	Building 3, Roof/ Rolled Roof	Orange Homogeneous Non- Fibrous Insulation	70%	Mineral Wool	30% Non-fibrous (Other)	No	None Detected

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 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0029 20081407-29B	Building 3, Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	5% 5%	Cellulose, Fiber Glass	90% Non-fibrous (Other), Tar	No	None Detected
202117-A-0029 20081407-29C	Building 3, Roof/ Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	5% 15%	Cellulose, Fiber Glass	80% Non-fibrous (Other), Tar	No	None Detected
202117-A-0030 20081407-30	Building 3, Roof/ Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	3% 15%	Cellulose, Fiber Glass	82% Non-fibrous (Other), Quartz, Tar	No	None Detected
202117-A-0030 20081407-30A	Building 3, Roof/ Rolled Roof	Orange Homogeneous Non- Fibrous Insulation	70%	Mineral Wool	30% Non-fibrous (Other)	No	None Detected

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 CAGX Job #: 20081407
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0030 20081407-30B	Building 3, Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	5% 5%	Cellulose, Fiber Glass	90% Non-fibrous (Other), Tar	No	None Detected
202117-A-0030 20081407-30C	Building 3, Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	5% 15%	Cellulose, Fiber Glass	80% Non-fibrous (Other), Tar	No	None Detected
202117-A-0031 20081407-31	Building 3, Roof/ Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	3% 15%	Cellulose, Fiber Glass	82% Non-fibrous (Other), Quartz, Tar	No	None Detected
202117-A-0031 20081407-31A	Building 3, Roof/ Rolled Roof	Orange Homogeneous Non- Fibrous Insulation	70%	Mineral Wool	30% Non-fibrous (Other)	No	None Detected

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 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0031 20081407-31B	Building 3, Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	15% 3%	Cellulose, Fiber Glass	82% Non-fibrous (Other), Tar	No	None Detected
202117-A-0031 20081407-31C	Building 3, Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	3% 5%	Cellulose, Fiber Glass	92% Non-fibrous (Other), Tar	No	None Detected
202117-A-0031 20081407-31D	Building 3, Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	5% 20%	Cellulose, Fiber Glass	75% Non-fibrous (Other), Tar	No	None Detected
202117-A-0031 20081407-31E	Building 3, Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	3% 5%	Cellulose, Fiber Glass	92% Non-fibrous (Other), Tar	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0032 20081407-32	Building 3, Roof/ Rolled Roof	Orange Homogeneous Non- Fibrous Insulation	70%	Mineral Wool	30%	Non-fibrous (Other)	No None Detected
202117-A-0032 20081407-32A	Building 3, Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	15% 3%	Cellulose, Fiber Glass	82%	Non-fibrous (Other), Tar	No None Detected
202117-A-0032 20081407-32B	Building 3, Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	3% 5%	Cellulose, Fiber Glass	92%	Non-fibrous (Other), Tar	No None Detected
202117-A-0032 20081407-32C	Building 3, Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	5% 20%	Cellulose, Fiber Glass	75%	Non-fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0032 20081407-32D	Building 3, Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	3% 5%	Cellulose, Fiber Glass	92% Non-fibrous (Other), Tar	No	None Detected
202117-A-0033 20081407-33	Building 3, Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	3% 5%	Cellulose, Fiber Glass	92% Non-fibrous (Other), Tar	No	None Detected
202117-A-0033 20081407-33A	Building 3, Roof/ Rolled Roof	Orange Homogeneous Non- Fibrous Insulation	70%	Mineral Wool	30% Non-fibrous (Other)	No	None Detected
202117-A-0033 20081407-33B	Building 3, Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	15% 3%	Cellulose, Fiber Glass	82% Non-fibrous (Other), Tar	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0033 20081407-33C	Building 3, Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	3% 5%	Cellulose, Fiber Glass	92% Non-fibrous (Other), Tar	No	None Detected
202117-A-0034 20081407-34	Building 3, Roof/ Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	3% 15%	Cellulose, Fiber Glass	82% Non-fibrous (Other), Quartz, Tar	No	None Detected
202117-A-0034 20081407-34A	Building 3, Roof/ Rolled Roof	Orange Homogeneous Non- Fibrous Insulation	70%	Mineral Wool	30% Non-fibrous (Other)	No	None Detected
202117-A-0034 20081407-34B	Building 3, Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	15% 3%	Cellulose, Fiber Glass	82% Non-fibrous (Other), Tar	No	None Detected

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Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0034 20081407-34C	Building 3, Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	3% 5%	Cellulose, Fiber Glass	92% Non-fibrous (Other), Tar	No	None Detected
202117-A-0034 20081407-34D	Building 3, Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	5% 20%	Cellulose, Fiber Glass	75% Non-fibrous (Other), Tar	No	None Detected
202117-A-0035 20081407-35	Building 3, Roof /Grey Penetration Mastic	Black, Grey Homogeneous Non- Fibrous Mastic			98% Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-0036 20081407-36	Building 3, Roof /Grey Penetration Mastic	Black, Grey Homogeneous Non- Fibrous Mastic			98% Non-fibrous (Other), Tar	Yes 2%	Chrysotile

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CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

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 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 231 Russell Street, La Habra, Ca 92631

Collected Date: 8/14/2020
 Date Received: 8/14/2020
 CAGX Job #: 20081407
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0037 20081407-37	Building 3, Roof /Grey Penetration Mastic	Black, Grey Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-0038 20081407-38	Building 3, Roof /Black Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	5%	Cellulose 95% Non-fibrous (Other), Tar	No	None Detected
202117-A-0039 20081407-39	Building 3, Roof /Black Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	5%	Cellulose 95% Non-fibrous (Other), Tar	No	None Detected
202117-A-0040 20081407-40	Building 3, Roof /Black Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	5%	Cellulose 95% Non-fibrous (Other), Tar	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0041 20081407-41	Building 3, Roof /White Penetration Mastic	Black, White Homogeneous Non- Fibrous Mastic	2%	Polyethylene 96%	Non-fibrous (Other), Tar	No 2%	Chrysotile
202117-A-0042 20081407-42	Building 3, Roof /White Penetration Mastic	Black, White Homogeneous Non- Fibrous Mastic	2%	Polyethylene 96%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-0043 20081407-43	Building 3, Roof /White Penetration Mastic	Black, White Homogeneous Non- Fibrous Mastic	2%	Polyethylene 96%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-0044 20081407-44	Building 4, Roof /Gray Painted Rolled Roofing	Brown Homogeneous Fibrous Roofing	90%	Cellulose 10%	Binder, Non- fibrous (Other), Tar	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0044 20081407-44A	Building 4, Roof /Gray Painted Rolled Roofing	Black, Grey Homogeneous Non- Fibrous Roofing	2%	Cellulose	98%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0044 20081407-44B	Building 4, Roof /Gray Painted Rolled Roofing	Black Homogeneous Non- Fibrous Roofing	5%	Cellulose	95%	Non-fibrous (Other), Tar	No None Detected
202117-A-0045 20081407-45	Building 4, Roof /Gray Painted Rolled Roofing	Brown Homogeneous Fibrous Roofing	90%	Cellulose	10%	Binder, Non- fibrous (Other), Tar	No None Detected
202117-A-0045 20081407-45A	Building 4, Roof /Gray Painted Rolled Roofing	Black, Grey Homogeneous Non- Fibrous Roofing	2%	Cellulose	98%	Non-fibrous (Other), Quartz, Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0045 20081407-45B	Building 4, Roof /Gray Painted Rolled Roofing	Black Homogeneous Non- Fibrous Roofing	5%	Cellulose	95%	Non-fibrous (Other), Tar	No None Detected
202117-A-0046 20081407-46	Building 4, Roof /Gray Painted Rolled Roofing	Brown Homogeneous Fibrous Roofing	90%	Cellulose	10%	Binder, Non- fibrous (Other), Tar	No None Detected
202117-A-0046 20081407-46A	Building 4, Roof /Gray Painted Rolled Roofing	Black, Grey Homogeneous Non- Fibrous Roofing	2%	Cellulose	98%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0046 20081407-46B	Building 4, Roof /Gray Painted Rolled Roofing	Black Homogeneous Non- Fibrous Roofing	5%	Cellulose	95%	Non-fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0047 20081407-47	Building 4 Roof /Rolled Roof	Brown Homogeneous Fibrous Insulation	95%	Fiber Glass	5%	Non-fibrous (Other)	No None Detected
202117-A-0047 20081407-47A	Building 4 Roof /Rolled Roof	Black, Grey Homogeneous Non- Fibrous Roofing	12%	Fiber Glass	88%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0047 20081407-47B	Building 4 Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	4%	Fiber Glass	96%	Non-fibrous (Other), Tar	No None Detected
202117-A-0047 20081407-47C	Building 4 Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	6%	Fiber Glass	94%	Non-fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0048 20081407-48	Building 4 Roof /Rolled Roof	Brown Homogeneous Fibrous Insulation	95%	Fiber Glass	5%	Non-fibrous (Other)	No None Detected
202117-A-0048 20081407-48A	Building 4 Roof /Rolled Roof	Black, Grey Homogeneous Non- Fibrous Roofing	12%	Fiber Glass	88%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0048 20081407-48B	Building 4 Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	4%	Fiber Glass	96%	Non-fibrous (Other), Tar	No None Detected
202117-A-0048 20081407-48C	Building 4 Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	6%	Fiber Glass	94%	Non-fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0049 20081407-49	Building 4 Roof /Rolled Roof	Brown Homogeneous Fibrous Insulation	95%	Fiber Glass	5%	Non-fibrous (Other)	No None Detected
202117-A-0049 20081407-49A	Building 4 Roof /Rolled Roof	Black, Grey Homogeneous Non- Fibrous Roofing	12%	Fiber Glass	88%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0049 20081407-49B	Building 4 Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	4%	Fiber Glass	96%	Non-fibrous (Other), Tar	No None Detected
202117-A-0049 20081407-49C	Building 4 Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	6%	Fiber Glass	94%	Non-fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0050 20081407-50	Building 4 Roof /Rolled Roof	Brown Homogeneous Fibrous Insulation	95%	Fiber Glass	5%	Non-fibrous (Other)	No None Detected
202117-A-0050 20081407-50A	Building 4 Roof /Rolled Roof	Black, Grey Homogeneous Non- Fibrous Roofing	12%	Fiber Glass	88%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0050 20081407-50B	Building 4 Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	4%	Fiber Glass	96%	Non-fibrous (Other), Tar	No None Detected
202117-A-0050 20081407-50C	Building 4 Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	6%	Fiber Glass	94%	Non-fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0051 20081407-51	Building 4 Roof /Rolled Roof	Brown Homogeneous Fibrous Insulation	95%	Fiber Glass	5%	Non-fibrous (Other)	No None Detected
202117-A-0051 20081407-51A	Building 4 Roof /Rolled Roof	Black, Grey Homogeneous Non- Fibrous Roofing	12%	Fiber Glass	88%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0051 20081407-51B	Building 4 Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	4%	Fiber Glass	96%	Non-fibrous (Other), Tar	No None Detected
202117-A-0051 20081407-51C	Building 4 Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	6%	Fiber Glass	94%	Non-fibrous (Other), Tar	No None Detected

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Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0052 20081407-52	Building 4 Roof /Rolled Roof	Brown Homogeneous Fibrous Insulation	95%	Fiber Glass	5%	Non-fibrous (Other)	No None Detected
202117-A-0052 20081407-52A	Building 4 Roof /Rolled Roof	Black, Grey Homogeneous Non- Fibrous Roofing	12%	Fiber Glass	88%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0052 20081407-52B	Building 4 Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	4%	Fiber Glass	96%	Non-fibrous (Other), Tar	No None Detected
202117-A-0052 20081407-52C	Building 4 Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	6%	Fiber Glass	94%	Non-fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0053 20081407-53	Building 4 Roof /Rolled Roof	Brown Homogeneous Fibrous Insulation	95%	Fiber Glass	5%	Non-fibrous (Other)	No None Detected
202117-A-0053 20081407-53A	Building 4 Roof /Rolled Roof	Black, Grey Homogeneous Non- Fibrous Roofing	12%	Fiber Glass	88%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0053 20081407-53B	Building 4 Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	4%	Fiber Glass	96%	Non-fibrous (Other), Tar	No None Detected
202117-A-0053 20081407-53C	Building 4 Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	6%	Fiber Glass	94%	Non-fibrous (Other), Tar	No None Detected

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CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 231 Russell Street, La Habra, Ca 92631

Collected Date: 8/14/2020
 Date Received: 8/14/2020
 CAGX Job #: 20081407
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0054 20081407-54	Building 4, Roof /Grey Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	2%	Cellulose	96%	Non-fibrous (Other), Tar	Yes 2% Chrysotile
202117-A-0055 20081407-55	Building 4, Roof /Grey Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	2%	Cellulose	96%	Non-fibrous (Other), Tar	Yes 2% Chrysotile
202117-A-0056 20081407-56	Building 4, Roof /Grey Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	2%	Cellulose	96%	Non-fibrous (Other), Tar	Yes 2% Chrysotile
202117-A-0057 20081407-57	Building 4, Roof /Grey Penetration Mastic	Black Homogeneous Non- Fibrous Mastic			98%	Non-fibrous (Other), Tar	Yes 2% Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0058 20081407-58	Building 4, Roof /Grey Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-0059 20081407-59	Building 4, Roof /Grey Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-0060 20081407-60	MPR/Admin, Kindergarten, Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	3% 20%	Cellulose, Fiber Glass	77% Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0060 20081407-60A	MPR/Admin, Kindergarten, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	3% 25%	Cellulose, Fiber Glass	72% Non-fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0060 20081407-60B	MPR/Admin, Kindergarten, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	3% 25%	Cellulose, Fiber Glass	72% Non-fibrous (Other), Tar	No	None Detected
202117-A-0060 20081407-60C	MPR/Admin, Kindergarten, Roof /Rolled Roof	Tan Homogeneous Fibrous Barrier Paper	80%	Cellulose	20% Non-fibrous (Other)	No	None Detected
202117-A-0061 20081407-61	MPR/Admin, Kindergarten, Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	3% 20%	Cellulose, Fiber Glass	77% Non-fibrous (Other), Quartz, Tar	No	None Detected
202117-A-0061 20081407-61A	MPR/Admin, Kindergarten, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	3% 25%	Cellulose, Fiber Glass	72% Non-fibrous (Other), Tar	No	None Detected

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 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0061 20081407-61B	MPR/Admin, Kindergarten, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	3% 25%	Cellulose, Fiber Glass	72% Non-fibrous (Other), Tar	No	None Detected
202117-A-0062 20081407-62	MPR/Admin, Kindergarten, Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	3% 20%	Cellulose, Fiber Glass	77% Non-fibrous (Other), Quartz, Tar	No	None Detected
202117-A-0062 20081407-62A	MPR/Admin, Kindergarten, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	3% 25%	Cellulose, Fiber Glass	72% Non-fibrous (Other), Tar	No	None Detected
202117-A-0062 20081407-62B	MPR/Admin, Kindergarten, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	3% 25%	Cellulose, Fiber Glass	72% Non-fibrous (Other), Tar	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0063 20081407-63	MPR/Admin, Kindergarten, Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	3% 20%	Cellulose, Fiber Glass	77% Non-fibrous (Other), Quartz, Tar	No	None Detected
202117-A-0063 20081407-63A	MPR/Admin, Kindergarten, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	3% 25%	Cellulose, Fiber Glass	72% Non-fibrous (Other), Tar	No	None Detected
202117-A-0063 20081407-63B	MPR/Admin, Kindergarten, Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	3% 15%	Cellulose, Fiber Glass	82% Non-fibrous (Other), Tar	No	None Detected
202117-A-0064 20081407-64	MPR/Admin, Kindergarten, Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	3% 20%	Cellulose, Fiber Glass	77% Non-fibrous (Other), Quartz, Tar	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0064 20081407-64A	MPR/Admin, Kindergarten, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	3% 25%	Cellulose, Fiber Glass	72% Non-fibrous (Other), Tar	No	None Detected
202117-A-0064 20081407-64B	MPR/Admin, Kindergarten, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	3% 25%	Cellulose, Fiber Glass	72% Non-fibrous (Other), Tar	No	None Detected
202117-A-0065 20081407-65	MPR/Admin, Kindergarten, Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	3% 20%	Cellulose, Fiber Glass	77% Non-fibrous (Other), Quartz, Tar	No	None Detected
202117-A-0065 20081407-65A	MPR/Admin, Kindergarten, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	3% 25%	Cellulose, Fiber Glass	72% Non-fibrous (Other), Tar	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0065 20081407-65B	MPR/Admin, Kindergarten, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	3% 25%	Cellulose, Fiber Glass	72% Non-fibrous (Other), Tar	No	None Detected
202117-A-0066 20081407-66	MPR/Admin, Kindergarten, Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	3% 20%	Cellulose, Fiber Glass	77% Non-fibrous (Other), Quartz, Tar	No	None Detected
202117-A-0066 20081407-66A	MPR/Admin, Kindergarten, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	3% 25%	Cellulose, Fiber Glass	72% Non-fibrous (Other), Tar	No	None Detected
202117-A-0066 20081407-66B	MPR/Admin, Kindergarten, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	3% 25%	Cellulose, Fiber Glass	72% Non-fibrous (Other), Tar	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0067 20081407-67	MPR/Admin, Kindergarten, Roof /Black Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	15%	Cellulose	85%	Non-fibrous (Other), Tar	No None Detected
202117-A-0068 20081407-68	MPR/Admin, Kindergarten, Roof /Black Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	12%	Cellulose	88%	Non-fibrous (Other), Tar	No None Detected
202117-A-0069 20081407-69	MPR/Admin, Kindergarten, Roof /Black Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	5%	Cellulose	95%	Non-fibrous (Other), Tar	No None Detected
202117-A-0070 20081407-70	MPR/Admin, Kindergarten, Roof /Grey Penetration Mastic	Black, Grey Homogeneous Non- Fibrous Mastic			98%	Non-fibrous (Other), Tar	Yes 2% Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0071 20081407-71	MPR/Admin, Kindergarten, Roof /Grey Penetration Mastic	Black, Grey Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-0072 20081407-72	MPR/Admin, Kindergarten, Roof /Grey Penetration Mastic	Black, Grey Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-0073 20081407-73	MPR/Admin, Kindergarten, Roof /White Penetration Mastic	Black, White Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-0074 20081407-74	MPR/Admin, Kindergarten, Roof /White Penetration Mastic	Black, White Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0075 20081407-75	MPR/Admin, Kindergarten, Roof /White Penetration Mastic	Black, White Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-0076 20081407-76	Building 5, Roof /Rolled Roof	Brown Homogeneous Fibrous Insulation	95%	Fiber Glass 5% Non-fibrous (Other)	No	None Detected
202117-A-0076 20081407-76A	Building 5, Roof /Rolled Roof	Black, Grey Homogeneous Non- Fibrous Roofing	12%	Fiber Glass 88% Non-fibrous (Other), Quartz, Tar	No	None Detected
202117-A-0076 20081407-76B	Building 5, Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	4%	Fiber Glass 96% Non-fibrous (Other), Tar	No	None Detected

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CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 231 Russell Street, La Habra, Ca 92631

Collected Date: 8/14/2020
 Date Received: 8/14/2020
 CAGX Job #: 20081407
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0076 20081407-76C	Building 5, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	6%	Fiber Glass	94%	Non-fibrous (Other), Tar	No None Detected
202117-A-0077 20081407-77	Building 5, Roof /Rolled Roof	Brown Homogeneous Fibrous Insulation	95%	Fiber Glass	5%	Non-fibrous (Other)	No None Detected
202117-A-0077 20081407-77A	Building 5, Roof /Rolled Roof	Black, Grey Homogeneous Non- Fibrous Roofing	12%	Fiber Glass	88%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0077 20081407-77B	Building 5, Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	4%	Fiber Glass	96%	Non-fibrous (Other), Tar	No None Detected

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 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	Fiber Glass	% Non-Fibrous		
202117-A-0077 20081407-77C	Building 5, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	6%	Fiber Glass	94%	Non-fibrous (Other), Tar	No None Detected
202117-A-0078 20081407-78	Building 5, Roof /Rolled Roof	Brown Homogeneous Fibrous Insulation	95%	Fiber Glass	5%	Non-fibrous (Other)	No None Detected
202117-A-0078 20081407-78A	Building 5, Roof /Rolled Roof	Black, Grey Homogeneous Non- Fibrous Roofing	12%	Fiber Glass	88%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0078 20081407-78B	Building 5, Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	4%	Fiber Glass	96%	Non-fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0078 20081407-78C	Building 5, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	6%	Fiber Glass	94%	Non-fibrous (Other), Tar	No None Detected
202117-A-0079 20081407-79	Building 5, Roof /Rolled Roof	Brown Homogeneous Fibrous Insulation	95%	Fiber Glass	5%	Non-fibrous (Other)	No None Detected
202117-A-0079 20081407-79A	Building 5, Roof /Rolled Roof	Black, Grey Homogeneous Non- Fibrous Roofing	12%	Fiber Glass	88%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0079 20081407-79B	Building 5, Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	4%	Fiber Glass	96%	Non-fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0079 20081407-79C	Building 5, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	6%	Fiber Glass	94%	Non-fibrous (Other), Tar	No None Detected
202117-A-0080 20081407-80	Building 5, Roof /Rolled Roof	Brown Homogeneous Fibrous Insulation	95%	Fiber Glass	5%	Non-fibrous (Other)	No None Detected
202117-A-0080 20081407-80A	Building 5, Roof /Rolled Roof	Black, Grey Homogeneous Non- Fibrous Roofing	12%	Fiber Glass	88%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0080 20081407-80B	Building 5, Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	4%	Fiber Glass	96%	Non-fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0080 20081407-80C	Building 5, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	6%	Fiber Glass	94%	Non-fibrous (Other), Tar	No None Detected
202117-A-0081 20081407-81	Building 5, Roof /Rolled Roof	Black, Grey Homogeneous Non- Fibrous Roofing	12%	Fiber Glass	88%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0081 20081407-81A	Building 5, Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	4%	Fiber Glass	96%	Non-fibrous (Other), Tar	No None Detected
202117-A-0081 20081407-81B	Building 5, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	6%	Fiber Glass	94%	Non-fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0082 20081407-82	Building 5, Roof /Rolled Roof	Black, Grey Homogeneous Non- Fibrous Roofing	12%	Fiber Glass	88%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0082 20081407-82A	Building 5, Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	4%	Fiber Glass	96%	Non-fibrous (Other), Tar	No None Detected
202117-A-0082 20081407-82B	Building 5, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	6%	Fiber Glass	94%	Non-fibrous (Other), Tar	No None Detected
202117-A-0083 20081407-83	Building 5, Roof /Black Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	15%	Cellulose	85%	Non-fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0084 20081407-84	Building 5, Roof /Black Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	12%	Cellulose	88%	Non-fibrous (Other), Tar	No None Detected
202117-A-0085 20081407-85	Building 5, Roof /Black Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	5%	Cellulose	95%	Non-fibrous (Other), Tar	No None Detected
202117-A-0086 20081407-86	Building 5, Roof /Grey Penetration Mastic	Black, Grey Homogeneous Non- Fibrous Mastic			98%	Non-fibrous (Other), Tar	Yes 2% Chrysotile
202117-A-0087 20081407-87	Building 5, Roof /Grey Penetration Mastic	Black, Grey Homogeneous Non- Fibrous Mastic			98%	Non-fibrous (Other), Tar	Yes 2% Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0088 20081407-88	Building 5, Roof /Grey Penetration Mastic	Black, Grey Homogeneous Non- Fibrous Mastic		98% Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-0089 20081407-89	Building 5, Roof /White Penetration Mastic	Black, White Homogeneous Non- Fibrous Mastic	2%	Fiber Glass, Synth Fiber	98% Non-fibrous (Other), Tar	No None Detected
202117-A-0090 20081407-90	Building 5, Roof /White Penetration Mastic	Black, White Homogeneous Non- Fibrous Mastic	2%	Fiber Glass, Synth Fiber	98% Non-fibrous (Other), Tar	No None Detected
202117-A-0091 20081407-91	Building 5, Roof /White Penetration Mastic	Black, White Homogeneous Non- Fibrous Mastic	2%	Fiber Glass, Synth Fiber	98% Non-fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0092 20081407-93	Building 1, Roof /Rolled Roof	Brown Homogeneous Fibrous Insulation	95%	Fiber Glass	5%	Non-fibrous (Other)	No None Detected
202117-A-0092 20081407-93A	Building 1, Roof /Rolled Roof	Black, Grey Homogeneous Non- Fibrous Roofing	12%	Fiber Glass	88%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0092 20081407-93B	Building 1, Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	4%	Fiber Glass	96%	Non-fibrous (Other), Tar	No None Detected
202117-A-0092 20081407-93C	Building 1, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	6%	Fiber Glass	94%	Non-fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0093 20081407-94	Building 1, Roof /Rolled Roof	Brown Homogeneous Fibrous Insulation	95%	Fiber Glass	5%	Non-fibrous (Other)	No None Detected
202117-A-0093 20081407-94A	Building 1, Roof /Rolled Roof	Black, Grey Homogeneous Non- Fibrous Roofing	12%	Fiber Glass	88%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0093 20081407-94B	Building 1, Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	4%	Fiber Glass	96%	Non-fibrous (Other), Tar	No None Detected
202117-A-0093 20081407-94C	Building 1, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	6%	Fiber Glass	94%	Non-fibrous (Other), Tar	No None Detected

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 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0094 20081407-92	Building 1, Roof /Rolled Roof	Brown Homogeneous Fibrous Insulation	95%	Fiber Glass	5%	Non-fibrous (Other)	No None Detected
202117-A-0094 20081407-92A	Building 1, Roof /Rolled Roof	Black, Grey Homogeneous Non- Fibrous Roofing	12%	Fiber Glass	88%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0094 20081407-92B	Building 1, Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	4%	Fiber Glass	96%	Non-fibrous (Other), Tar	No None Detected
202117-A-0094 20081407-92C	Building 1, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	6%	Fiber Glass	94%	Non-fibrous (Other), Tar	No None Detected

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CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 231 Russell Street, La Habra, Ca 92631

Collected Date: 8/14/2020
 Date Received: 8/14/2020
 CAGX Job #: 20081407
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0095 20081407-95	Building 1, Roof /Rolled Roof	Brown Homogeneous Fibrous Insulation	95%	Fiber Glass	5%	Non-fibrous (Other)	No None Detected
202117-A-0095 20081407-95A	Building 1, Roof /Rolled Roof	Black, Grey Homogeneous Non- Fibrous Roofing	12%	Fiber Glass	88%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0095 20081407-95B	Building 1, Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	4%	Fiber Glass	96%	Non-fibrous (Other), Tar	No None Detected
202117-A-0095 20081407-95C	Building 1, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	6%	Fiber Glass	94%	Non-fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0096 20081407-96	Building 1, Roof /Rolled Roof	Brown Homogeneous Fibrous Insulation	95%	Fiber Glass	5%	Non-fibrous (Other)	No None Detected
202117-A-0096 20081407-96A	Building 1, Roof /Rolled Roof	Black, Grey Homogeneous Non- Fibrous Roofing	12%	Fiber Glass	88%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0096 20081407-96B	Building 1, Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	4%	Fiber Glass	96%	Non-fibrous (Other), Tar	No None Detected
202117-A-0096 20081407-96C	Building 1, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	6%	Fiber Glass	94%	Non-fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0097 20081407-97	Building 1, Roof /Rolled Roof	Brown Homogeneous Fibrous Insulation	95%	Fiber Glass	5%	Non-fibrous (Other)	No None Detected
202117-A-0097 20081407-97A	Building 1, Roof /Rolled Roof	Black, Grey Homogeneous Non- Fibrous Roofing	12%	Fiber Glass	88%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0097 20081407-97B	Building 1, Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	4%	Fiber Glass	96%	Non-fibrous (Other), Tar	No None Detected
202117-A-0097 20081407-97C	Building 1, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	6%	Fiber Glass	94%	Non-fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0098 20081407-98	Building 1, Roof /Rolled Roof	Brown Homogeneous Fibrous Insulation	95%	Fiber Glass	5%	Non-fibrous (Other)	No None Detected
202117-A-0098 20081407-98A	Building 1, Roof /Rolled Roof	Black, Grey Homogeneous Non- Fibrous Roofing	12%	Fiber Glass	88%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0098 20081407-98B	Building 1, Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	4%	Fiber Glass	96%	Non-fibrous (Other), Tar	No None Detected
202117-A-0098 20081407-98C	Building 1, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	6%	Fiber Glass	94%	Non-fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0099 20081407-99	Building 1, Roof /Black Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	2% 2%	Cellulose, Fiber Glass	96% Non-fibrous (Other), Tar	No	None Detected
202117-A-0100 20081407-100	Building 1, Roof /Black Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	2% 2%	Cellulose, Fiber Glass	96% Non-fibrous (Other), Tar	No	None Detected
202117-A-0101 20081407-101	Building 1, Roof /Black Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	2% 2%	Cellulose, Fiber Glass	96% Non-fibrous (Other), Tar	No	None Detected
202117-A-0102 20081407-102	Building 1, Roof /Grey Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	2% 2%	Cellulose, Fiber Glass	94% Non-fibrous (Other), Tar	Yes 2%	Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0103 20081407-103	Building 1, Roof /Grey Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	2% 2%	Cellulose, Fiber Glass	94% Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-0104 20081407-104	Building 1, Roof /Grey Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	2% 2%	Cellulose, Fiber Glass	94% Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-0105 20081407-105	Building 1, Roof /White Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	2% 2%	Cellulose, Fiber Glass	94% Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-0106 20081407-106	Building 1, Roof /White Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	2% 2%	Cellulose, Fiber Glass	94% Non-fibrous (Other), Tar	Yes 2%	Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0107 20081407-107	Building 1, Roof /White Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	2% 2%	Cellulose, Fiber Glass	94% Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-0108 20081407-108	Building 2, Roof /Rolled Roof	Black, Grey Homogeneous Non- Fibrous Roofing	12%	Fiber Glass	88% Non-fibrous (Other), Quartz, Tar	No	None Detected
202117-A-0108 20081407- 108A	Building 2, Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	4%	Fiber Glass	96% Non-fibrous (Other), Tar	No	None Detected
202117-A-0108 20081407- 108B	Building 2, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	6%	Fiber Glass	94% Non-fibrous (Other), Tar	No	None Detected

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Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0109 20081407-109	Building 2, Roof /Rolled Roof	Brown Homogeneous Fibrous Insulation	95%	Fiber Glass	5%	Non-fibrous (Other)	No None Detected
202117-A-0109 20081407-109A	Building 2, Roof /Rolled Roof	Black, Grey Homogeneous Non- Fibrous Roofing	12%	Fiber Glass	88%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0109 20081407-109B	Building 2, Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	4%	Fiber Glass	96%	Non-fibrous (Other), Tar	No None Detected
202117-A-0109 20081407-109C	Building 2, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	6%	Fiber Glass	94%	Non-fibrous (Other), Tar	No None Detected

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Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0110 20081407-110	Building 2, Roof /Rolled Roof	Brown Homogeneous Fibrous Insulation	95%	Fiber Glass	5%	Non-fibrous (Other)	No None Detected
202117-A-0110 20081407-110A	Building 2, Roof /Rolled Roof	Black, Grey Homogeneous Non- Fibrous Roofing	12%	Fiber Glass	88%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0110 20081407-110B	Building 2, Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	4%	Fiber Glass	96%	Non-fibrous (Other), Tar	No None Detected
202117-A-0110 20081407-110C	Building 2, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	6%	Fiber Glass	94%	Non-fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0111 20081407-111	Building 2, Roof /Rolled Roof	Brown Homogeneous Fibrous Insulation	95%	Fiber Glass	5%	Non-fibrous (Other)	No None Detected
202117-A-0111 20081407-111A	Building 2, Roof /Rolled Roof	Black, Grey Homogeneous Non- Fibrous Roofing	12%	Fiber Glass	88%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0111 20081407-111B	Building 2, Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	4%	Fiber Glass	96%	Non-fibrous (Other), Tar	No None Detected
202117-A-0111 20081407-111C	Building 2, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	6%	Fiber Glass	94%	Non-fibrous (Other), Tar	No None Detected

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CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 231 Russell Street, La Habra, Ca 92631

Collected Date: 8/14/2020
 Date Received: 8/14/2020
 CAGX Job #: 20081407
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0112 20081407-112	Building 2, Roof /Rolled Roof	Brown Homogeneous Fibrous Insulation	95%	Fiber Glass	5%	Non-fibrous (Other)	No None Detected
202117-A-0112 20081407-112A	Building 2, Roof /Rolled Roof	Black, Grey Homogeneous Non- Fibrous Roofing	12%	Fiber Glass	88%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0112 20081407-112B	Building 2, Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	4%	Fiber Glass	96%	Non-fibrous (Other), Tar	No None Detected
202117-A-0112 20081407-112C	Building 2, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	6%	Fiber Glass	94%	Non-fibrous (Other), Tar	No None Detected

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Collected Date: 8/14/2020
 Date Received: 8/14/2020
 CAGX Job #: 20081407
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0113 20081407-113	Building 2, Roof /Rolled Roof	Brown Homogeneous Fibrous Insulation	95%	Fiber Glass	5%	Non-fibrous (Other)	No None Detected
202117-A-0113 20081407-113A	Building 2, Roof /Rolled Roof	Black, Grey Homogeneous Non- Fibrous Roofing	12%	Fiber Glass	88%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0113 20081407-113B	Building 2, Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	4%	Fiber Glass	96%	Non-fibrous (Other), Tar	No None Detected
202117-A-0113 20081407-113C	Building 2, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	6%	Fiber Glass	94%	Non-fibrous (Other), Tar	No None Detected

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Collected Date: 8/14/2020
 Date Received: 8/14/2020
 CAGX Job #: 20081407
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0114 20081407-114	Building 2, Roof /Rolled Roof	Brown Homogeneous Fibrous Insulation	95%	Fiber Glass	5% Non-fibrous (Other)	No	None Detected
202117-A-0114 20081407-114A	Building 2, Roof /Rolled Roof	Black, Grey Homogeneous Non- Fibrous Roofing	12%	Fiber Glass	88% Non-fibrous (Other), Quartz, Tar	No	None Detected
202117-A-0114 20081407-114B	Building 2, Roof /Rolled Roof	Black Homogeneous Non- Fibrous Roofing	4%	Fiber Glass	96% Non-fibrous (Other), Tar	No	None Detected
202117-A-0114 20081407-114C	Building 2, Roof /Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	6%	Fiber Glass	94% Non-fibrous (Other), Tar	No	None Detected

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Collected Date: 8/14/2020
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 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0115 20081407-115	Building 2, Roof /Black Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	3%	Cellulose	97%	Non-fibrous (Other), Tar	No None Detected
202117-A-0116 20081407-116	Building 2, Roof /Black Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	3%	Cellulose	97%	Non-fibrous (Other), Tar	No None Detected
202117-A-0117 20081407-117	Building 2, Roof /Black Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	3%	Cellulose	97%	Non-fibrous (Other), Tar	No None Detected
202117-A-0118 20081407-118	Building 2, Roof /Grey Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	3%	Cellulose	95%	Non-fibrous (Other), Tar	Yes 2% Chrysotile

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 Project Location: 231 Russell Street, La Habra, Ca 92631

Collected Date: 8/14/2020
 Date Received: 8/14/2020
 CAGX Job #: 20081407
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type	
			% Fibrous	% Non-Fibrous				
202117-A-0119 20081407-119	Building 2, Roof /Grey Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	3%	Cellulose	95%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-0120 20081407-120	Building 2, Roof /Grey Penetration Mastic	Grey Homogeneous Non- Fibrous Mastic			100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0121 20081407-121	Building 2, Roof /White Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	3%	Cellulose	95%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-0122 20081407-122	Building 2, Roof /White Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	3%	Cellulose	95%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile

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 Project Location: 231 Russell Street, La Habra, Ca 92631

Collected Date: 8/14/2020
 Date Received: 8/14/2020
 CAGX Job #: 20081407
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type	
			% Fibrous	% Non-Fibrous				
202117-A-0123	Building 2, Roof /White Penetration	Black Homogeneous	3%	Cellulose	95%	Non-fibrous (Other), Tar	Yes	
20081407-123	Mastic	Non- Fibrous Mastic					2%	Chrysotile

Total Number of Samples: 123
 Total Number of Layers: 281

Approved Signatory: 

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CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementary School
 Project Location: 2301 Russell Street, La Habra, CA 90631

Collected Date: 8/18/2020
 Date Received: 8/19/2020
 CAGX Job #: 20081903
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0124 20081903-1	Building 1, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected
202117-A-0125 20081903-2	Building 1, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected
202117-A-0126 20081903-3	Building 1, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected
202117-A-0127 20081903-4	Building 1, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected

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 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementary School
 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/18/2020
 Date Received: 8/19/2020
 CAGX Job #: 20081903
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0128 20081903-5	Building 1, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected
202117-A-0129 20081903-6	Building 1, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected
202117-A-0130 20081903-7	Building 1, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected
202117-A-0131 20081903-8	Building 2, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected

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 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/18/2020
 Date Received: 8/19/2020
 CAGX Job #: 20081903
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0132 20081903-9	Building 2, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected
202117-A-0133 20081903-10	Building 2, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected
202117-A-0134 20081903-11	Building 2, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected
202117-A-0135 20081903-12	Building 2, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected

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Collected Date: 8/18/2020
 Date Received: 8/19/2020
 CAGX Job #: 20081903
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0136 20081903-13	Building 2, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected
202117-A-0137 20081903-14	Building 2, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected
202117-A-0138 20081903-15	Building 3, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected
202117-A-0139 20081903-16	Building 3, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected

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Collected Date: 8/18/2020
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 CAGX Job #: 20081903
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0140 20081903-17	Building 3, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected
202117-A-0141 20081903-18	Building 3, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected
202117-A-0142 20081903-19	Building 3, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected
202117-A-0143 20081903-20	Building 3, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected

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CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

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 Project Name: Lowell Joint School District Macy Elementary School
 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/18/2020
 Date Received: 8/19/2020
 CAGX Job #: 20081903
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0144 20081903-21	Building 3, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected
202117-A-0145 20081903-22	Building 4, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected
202117-A-0146 20081903-23	Building 4, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected
202117-A-0147 20081903-24	Building 4, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0148 20081903-25	Building 4, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected
202117-A-0149 20081903-26	Building 4, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected
202117-A-0150 20081903-27	Building 4, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected
202117-A-0151 20081903-28	Building 4, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0152 20081903-29	Building 5, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected
202117-A-0153 20081903-30	Building 5, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected
202117-A-0154 20081903-31	Building 5, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected
202117-A-0155 20081903-32	Building 5, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0156 20081903-33	Building 5, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected
202117-A-0157 20081903-34	Building 5, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected
202117-A-0158 20081903-35	Building 5, Exterior/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected
202117-A-0159 20081903-36	Building 1, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco			100%	Binder, Non- fibrous (Other), Quartz	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0160 20081903-37	Building 1, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0161 20081903-38	Building 1, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0162 20081903-39	Building 1, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0163 20081903-40	Building 1, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0164 20081903-41	Building 1, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0165 20081903-42	Building 1, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0166 20081903-43	Building 2, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0167 20081903-44	Building 2, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0168 20081903-45	Building 2, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0169 20081903-46	Building 2, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0170 20081903-47	Building 2, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0171 20081903-48	Building 2, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0171 20081903-48A	Building 2, Exterior/ Stucco	White Homogeneous Non- Fibrous Skim Coat	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0172 20081903-49	Building 2, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0172 20081903-49A	Building 2, Exterior/ Stucco	White Homogeneous Non- Fibrous Skim Coat	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0173 20081903-50	Building 3, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0173 20081903-50A	Building 3, Exterior/ Stucco	White Homogeneous Non- Fibrous Skim Coat	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0174 20081903-51	Building 3, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0174 20081903-51A	Building 3, Exterior/ Stucco	White Homogeneous Non- Fibrous Skim Coat	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0175 20081903-52	Building 3, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected

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Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0175 20081903-52A	Building 3, Exterior/ Stucco	White Homogeneous Non- Fibrous Skim Coat	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0176 20081903-53	Building 3, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0176 20081903-53A	Building 3, Exterior/ Stucco	White Homogeneous Non- Fibrous Skim Coat	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0177 20081903-54	Building 3, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected

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Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0177 20081903-54A	Building 3, Exterior/ Stucco	White Homogeneous Non- Fibrous Skim Coat	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0178 20081903-55	Building 3, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0178 20081903-55A	Building 3, Exterior/ Stucco	White Homogeneous Non- Fibrous Skim Coat	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0179 20081903-56	Building 3, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected

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CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

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 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementary School
 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/18/2020
 Date Received: 8/19/2020
 CAGX Job #: 20081903
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0179 20081903-56A	Building 3, Exterior/ Stucco	White Homogeneous Non- Fibrous Skim Coat	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0180 20081903-57	Building 4, Exterior/ Stucco	Grey Homogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0181 20081903-58	Building 4, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0182 20081903-59	Building 4, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected

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 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0183 20081903-60	Building 4, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0184 20081903-61	Building 4, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0185 20081903-62	Building 4, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0186 20081903-63	Building 4, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0187 20081903-64	Building 5, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0188 20081903-65	Building 5, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0189 20081903-66	Building 5, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0190 20081903-67	Building 5, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0191 20081903-68	Building 5, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0192 20081903-69	Building 5, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0193 20081903-70	Building 5, Exterior/ Stucco	Grey Heterogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0194 20081903-71	Building 1, Room 102/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80% Cellulose	20% Binder, Non- fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0195 20081903-72	Building 1, Room 102/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0196 20081903-73	Building 1, Room 102/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0197 20081903-74	Building 1, Room 101/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0198 20081903-75	Building 1, Room 103/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected

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 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0199 20081903-76	Building 1, Room 102/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0200 20081903-77	Building 1, Room 104/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0201 20081903-78	Building 2, Room 203/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0202 20081903-79	Building 2, Room 201/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected

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 CAGX Job #: 20081903
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0203 20081903-80	Building 2, Room 204/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0204 20081903-81	Building 2, Room 203/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0205 20081903-82	Building 2, Room 203/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0206 20081903-83	Building 2, Room 201/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0207 20081903-84	Building 2, Room 202/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0208 20081903-85	Building 3, Room 301/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0209 20081903-86	Building 3, Room 301/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0210 20081903-87	Building 3, Room 301/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0211 20081903-88	Building 3, Room 302/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0212 20081903-89	Building 3, Room 302/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0213 20081903-90	Building 3, Room 303/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0214 20081903-91	Building 3, Room 304/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected

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Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0215 20081903-92	Building 4, Room 403/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0216 20081903-93	Building 4, Room 403/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0217 20081903-94	Building 4, Room 403/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0218 20081903-95	Building 4, Room 403/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected

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 Irvine, CA 92618
 Phone: (949)333-3276

Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementary School
 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/18/2020
 Date Received: 8/19/2020
 CAGX Job #: 20081903
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0219 20081903-96	Building 4, Room 404/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0220 20081903-97	Building 4, Room 404/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0221 20081903-98	Building 4, Room 401/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0222 20081903-99	Building 5, Room 502/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected

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 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0223 20081903-100	Building 5, Room 502/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0224 20081903-101	Building 5, Room 503/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0225 20081903-102	Building 5, Room 503/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0226 20081903-103	Building 5, Room 503/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0227 20081903-104	Building 5, Room 502/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0228 20081903-105	Building 5, Room 502/ 12" x 12" Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0229 20081903-106	Building 1, Boys' Restroom/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0229 20081903- 106A	Building 1, Boys' Restroom/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non- fibrous (Other)	Yes <1% Actinolite

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos	
			% Fibrous	% Non-Fibrous			% Type	
202117-A-0230 20081903-107	Building 1, Boys' Restroom/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non-fibrous (Other)	No	None Detected
202117-A-0230 20081903-107A	Building 1, Boys' Restroom/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non-Fibrous Mastic	2%	Cellulose	97%	Binder, Non-fibrous (Other)	Yes	<1% Actinolite
202117-A-0231 20081903-108	Building 1, Boys' Restroom/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non-fibrous (Other)	No	None Detected
202117-A-0231 20081903-108A	Building 1, Boys' Restroom/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non-Fibrous Mastic	2%	Cellulose	97%	Binder, Non-fibrous (Other)	Yes	<1% Actinolite

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos	
			% Fibrous	% Non-Fibrous			% Type	
202117-A-0232 20081903-109	Building 1, Boys' Restroom/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non-fibrous (Other)	No	None Detected
202117-A-0232 20081903-109A	Building 1, Boys' Restroom/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non-fibrous (Other)	Yes	<1% Actinolite
202117-A-0233 20081903-110	Building 1, Room 102, Walls/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non-fibrous (Other)	No	None Detected
202117-A-0233 20081903-110A	Building 1, Room 102, Walls/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non-fibrous (Other)	Yes	<1% Actinolite

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos	
			% Fibrous	% Non-Fibrous			% Type	
202117-A-0234 20081903-111	Building 2, Boys' Restroom/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non-fibrous (Other)	No	None Detected
202117-A-0234 20081903-111A	Building 2, Boys' Restroom/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non-Fibrous Mastic	2%	Cellulose	97%	Binder, Non-fibrous (Other)	Yes	<1% Actinolite
202117-A-0235 20081903-112	Building 2, Boys' Restroom/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non-fibrous (Other)	No	None Detected
202117-A-0235 20081903-112A	Building 2, Boys' Restroom/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non-Fibrous Mastic	2%	Cellulose	97%	Binder, Non-fibrous (Other)	Yes	<1% Actinolite

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos	
			% Fibrous	% Non-Fibrous			% Type	
202117-A-0236 20081903-113	Building 2, Room 203, Walls/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non-fibrous (Other)	No	None Detected
202117-A-0236 20081903-113A	Building 2, Room 203, Walls/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non-fibrous (Other)	Yes	<1% Actinolite
202117-A-0237 20081903-114	Building 2, Room 203, Walls/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non-fibrous (Other)	No	None Detected
202117-A-0237 20081903-114A	Building 2, Room 203, Walls/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non-fibrous (Other)	Yes	<1% Actinolite

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos	
			% Fibrous	% Non-Fibrous			% Type	
202117-A-0238 20081903-115	Building 2, Room 203, Girls' Restroom / 12" x 12" Ceiling Tile with Hockey Puck Mastic	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non-fibrous (Other)	No	None Detected
202117-A-0238 20081903-115A	Building 2, Room 203, Girls' Restroom / 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non-fibrous (Other)	Yes	<1% Actinolite
202117-A-0239 20081903-116	Building 3, Girls' Restroom/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non-fibrous (Other)	No	None Detected
202117-A-0239 20081903-116A	Building 3, Girls' Restroom/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non-fibrous (Other)	Yes	<1% Actinolite

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos	
			% Fibrous	% Non-Fibrous			% Type	
202117-A-0240 20081903-117	Building 3, Girls' Restroom/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0240 20081903- 117A	Building 3, Girls' Restroom/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non- fibrous (Other)	Yes	<1% Actinolite
202117-A-0241 20081903-118	Building 3, Girls' Restroom/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0241 20081903- 118A	Building 3, Girls' Restroom/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non- fibrous (Other)	Yes	<1% Actinolite

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Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos	
			% Fibrous	% Non-Fibrous			% Type	
202117-A-0242 20081903-119	Building 3, 301/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non-fibrous (Other)	No	None Detected
202117-A-0242 20081903-119A	Building 3, 301/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non-fibrous (Other)	Yes	<1% Actinolite
202117-A-0243 20081903-120	Building 3, 301/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non-fibrous (Other)	No	None Detected
202117-A-0243 20081903-120A	Building 3, 301/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non-fibrous (Other)	Yes	<1% Actinolite

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 Date Received: 8/19/2020
 CAGX Job #: 20081903
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos	
			% Fibrous		% Non-Fibrous			% Type
202117-A-0244 20081903-121	Building 4, Boys' Restroom / 12" x 12" Ceiling Tile with Hockey Puck Mastic	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0244 20081903- 121A	Building 4, Boys' Restroom / 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non- fibrous (Other)	Yes	<1% Actinolite
202117-A-0245 20081903-122	Building 4, Boys' Restroom / 12" x 12" Ceiling Tile with Hockey Puck Mastic	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0245 20081903- 122A	Building 4, Boys' Restroom / 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non- fibrous (Other)	Yes	<1% Actinolite

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CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementary School
 Project Location: 2301 Russell Street, La Habra, CA 90631

Collected Date: 8/18/2020
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 CAGX Job #: 20081903
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos	
			% Fibrous	% Non-Fibrous			% Type	
202117-A-0246 20081903-123	Building 4, Boys' Restroom / 12" x 12" Ceiling Tile with Hockey Puck Mastic	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non-fibrous (Other)	No	None Detected
202117-A-0246 20081903-123A	Building 4, Boys' Restroom / 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non-Fibrous Mastic	2%	Cellulose	97%	Binder, Non-fibrous (Other)	Yes	<1% Actinolite
202117-A-0247 20081903-124	Building 4, Room 403 Wall / 12" x 12" Ceiling Tile with Hockey Puck Mastic	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non-fibrous (Other)	No	None Detected
202117-A-0247 20081903-124A	Building 4, Room 403 Wall / 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non-Fibrous Mastic	2%	Cellulose	97%	Binder, Non-fibrous (Other)	Yes	<1% Actinolite

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos	
			% Fibrous	% Non-Fibrous			% Type	
202117-A-0248 20081903-125	Building 4, Room 403 Wall / 12" x 12" Ceiling Tile with Hockey Puck Mastic	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0248 20081903- 125A	Building 4, Room 403 Wall / 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non- fibrous (Other)	Yes	<1% Actinolite
202117-A-0249 20081903-126	Building 5, Boys' Restroom / 12" x 12" Ceiling Tile with Hockey Puck Mastic	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0249 20081903- 126A	Building 5, Boys' Restroom / 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non- fibrous (Other)	Yes	<1% Actinolite

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos	
			% Fibrous	% Non-Fibrous			% Type	
202117-A-0250 20081903-127	Building 5, Boys' Restroom / 12" x 12" Ceiling Tile with Hockey Puck Mastic	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0250 20081903- 127A	Building 5, Boys' Restroom / 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non- fibrous (Other)	Yes	<1% Actinolite
202117-A-0251 20081903-128	Building 5, Room 502 Walls / 12" x 12" Ceiling Tile with Hockey Puck Mastic	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0251 20081903- 128A	Building 5, Room 502 Walls / 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non- fibrous (Other)	Yes	<1% Actinolite

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos	
			% Fibrous	% Non-Fibrous			% Type	
202117-A-0252 20081903-129	Building 5, Room 503 Walls / 12" x 12" Ceiling Tile with Hockey Puck Mastic	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non-fibrous (Other)	No	None Detected
202117-A-0252 20081903-129A	Building 5, Room 503 Walls / 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non-fibrous (Other)	Yes	<1% Actinolite
202117-A-0253 20081903-130	Building 5, Girl's Restroom / 12" x 12" Ceiling Tile with Hockey Puck Mastic	Tan, White Homogeneous Fibrous Ceiling Tiles	80%	Cellulose	20%	Binder, Non-fibrous (Other)	No	None Detected
202117-A-0253 20081903-130A	Building 5, Girl's Restroom / 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non-fibrous (Other)	Yes	<1% Actinolite

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Collected Date: 8/18/2020
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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0254 20081903-131	Building 1, Room 102/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non- fibrous (Other), Tar	No None Detected
202117-A-0255 20081903-132	Building 1, Room 102/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non- fibrous (Other), Tar	No None Detected
202117-A-0256 20081903-133	Building 1, Room 102/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non- fibrous (Other), Tar	No None Detected
202117-A-0257 20081903-134	Building 1, Room 103/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non- fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0258 20081903-135	Building 1, Room 101/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non- fibrous (Other), Tar	No None Detected
202117-A-0259 20081903-136	Building 1, Room 102/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non- fibrous (Other), Tar	No None Detected
202117-A-0260 20081903-137	Building 1, Room 104/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non- fibrous (Other), Tar	No None Detected
202117-A-0261 20081903-138	Building 2, Room 203/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non- fibrous (Other), Tar	No None Detected

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Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0262 20081903-139	Building 2, Room 203/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non- fibrous (Other), Tar	No None Detected
202117-A-0263 20081903-140	Building 2, Room 204/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non- fibrous (Other), Tar	No None Detected
202117-A-0264 20081903-141	Building 2, Room 203/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non- fibrous (Other), Tar	No None Detected
202117-A-0265 20081903-142	Building 2, Room 204/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non- fibrous (Other), Tar	No None Detected

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			% Fibrous	% Non-Fibrous			
202117-A-0266 20081903-143	Building 2, Room 202/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non-fibrous (Other), Tar	No None Detected
202117-A-0267 20081903-144	Building 2, Room 202/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non-fibrous (Other), Tar	No None Detected
202117-A-0268 20081903-145	Building 3, Room 301/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non-fibrous (Other), Tar	No None Detected
202117-A-0269 20081903-146	Building 3, Room 302/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non-fibrous (Other), Tar	No None Detected

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Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0270 20081903-147	Building 3, Room 303/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non-fibrous (Other), Tar	No None Detected
202117-A-0271 20081903-148	Building 3, Room 304/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non-fibrous (Other), Tar	No None Detected
202117-A-0272 20081903-149	Building 3, Room 301/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non-fibrous (Other), Tar	No None Detected
202117-A-0273 20081903-150	Building 3, Room 301/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non-fibrous (Other), Tar	No None Detected

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			% Fibrous	% Non-Fibrous			
202117-A-0274 20081903-151	Building 3, Room 301/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non-fibrous (Other), Tar	No None Detected
202117-A-0275 20081903-152	Building 4, Room 403/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non-fibrous (Other), Tar	No None Detected
202117-A-0276 20081903-153	Building 4, Room 403/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non-fibrous (Other), Tar	No None Detected
202117-A-0277 20081903-154	Building 4, Room 403/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non-fibrous (Other), Tar	No None Detected

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CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementary School
 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/18/2020
 Date Received: 8/19/2020
 CAGX Job #: 20081903
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0278 20081903-155	Building 4, Room 403/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non- fibrous (Other), Tar	No None Detected
202117-A-0279 20081903-156	Building 4, Room 401/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non- fibrous (Other), Tar	No None Detected
202117-A-0280 20081903-157	Building 4, Room 401/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non- fibrous (Other), Tar	No None Detected
202117-A-0281 20081903-158	Building 4, Room 401/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non- fibrous (Other), Tar	No None Detected

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CAGX Laboratory
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 Irvine, CA 92618
 Phone: (949)333-3276

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 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/18/2020
 Date Received: 8/19/2020
 CAGX Job #: 20081903
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0282 20081903-159	Building 5, Room 502/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non- fibrous (Other), Tar	No None Detected
202117-A-0283 20081903-160	Building 5, Room 502/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non- fibrous (Other), Tar	No None Detected
202117-A-0284 20081903-161	Building 5, Room 502/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non- fibrous (Other), Tar	No None Detected
202117-A-0285 20081903-162	Building 5, Room 502/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non- fibrous (Other), Tar	No None Detected

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 Project Location: 2301 Russell Street, La Habra, CA 90631

Collected Date: 8/18/2020
 Date Received: 8/19/2020
 CAGX Job #: 20081903
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0286 20081903-163	Building 5, Room 503/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non-fibrous (Other), Tar	No None Detected
202117-A-0287 20081903-164	Building 5, Room 503/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non-fibrous (Other), Tar	No None Detected
202117-A-0288 20081903-165	Building 5, Room 503/ Vapor Barrier (Interior)	Brown Heterogeneous Fibrous Barrier Paper	80%	Cellulose	20%	Binder, Non-fibrous (Other), Tar	No None Detected

Total Number of Samples: 165
 Total Number of Layers: 199

Approved Signatory: 

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 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

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 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/19/2020
 Date Received: 8/19/2020
 CAGX Job #: 20081909
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0289 20081909-01	Portico Walkway Roof Edges/ Rolled Roof	Black, Silver Silver Homogeneous Non- Fibrous Roofing	5% 15%	Cellulose, Fiber Glass	80%	Non-fibrous (Other), Tar	No None Detected
202117-A-0289 20081909-01A	Portico Walkway Roof Edges/ Rolled Roof	Black Silver Homogeneous Non- Fibrous Roofing	15%	Fiber Glass	85%	Non-fibrous (Other), Tar	No None Detected
202117-A-0289 20081909-01B	Portico Walkway Roof Edges/ Rolled Roof	Black Silver Homogeneous Non- Fibrous Roofing	30%	Fiber Glass	70%	Non-fibrous (Other), Tar	No None Detected
202117-A-0290 20081909-02	Portico Walkway Roof Edges/ Rolled Roof	Black, Silver Silver Homogeneous Non- Fibrous Roofing	5% 15%	Cellulose, Fiber Glass	80%	Non-fibrous (Other), Tar	No None Detected

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Collected Date: 8/19/2020
 Date Received: 8/19/2020
 CAGX Job #: 20081909
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0290	Portico Walkway	Black, Silver	5%	Cellulose,	80%	Non-fibrous	None Detected
20081909-02A	Roof Edges/ Silver	Homogeneous	15%	Fiber Glass		(Other), Tar	
	Rolled Roof	Non- Fibrous Roofing					
202117-A-0290	Portico Walkway	Black	15%	Fiber Glass	85%	Non-fibrous	None Detected
20081909-02B	Roof Edges/ Silver	Homogeneous				(Other), Tar	
	Rolled Roof	Non- Fibrous Roofing					
202117-A-0291	Portico Walkway	Black, Silver	3%	Cellulose,	82%	Non-fibrous	None Detected
20081909-03	Roof Edges/ Silver	Homogeneous	15%	Fiber Glass		(Other), Tar	
	Rolled Roof	Non- Fibrous Roofing					
202117-A-0291	Portico Walkway	Black, Silver	3%	Cellulose,	82%	Non-fibrous	None Detected
20081909-03A	Roof Edges/ Silver	Homogeneous	15%	Fiber Glass		(Other), Tar	
	Rolled Roof	Non- Fibrous Roofing					

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Collected Date: 8/19/2020
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 CAGX Job #: 20081909
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0291 20081909-03B	Portico Walkway Roof Edges/ Silver Rolled Roof	Black Homogeneous Non- Fibrous Roofing	5%	Fiber Glass	95%	Non-fibrous (Other), Tar	No None Detected
202117-A-0291 20081909-03C	Portico Walkway Roof Edges/ Silver Rolled Roof	Black Homogeneous Non- Fibrous Roofing	15%	Fiber Glass	85%	Non-fibrous (Other), Tar	No None Detected
202117-A-0291 20081909-03D	Portico Walkway Roof Edges/ Silver Rolled Roof	Black Homogeneous Non- Fibrous Roofing	5% 15%	Cellulose, Fiber Glass	80%	Non-fibrous (Other), Tar	No None Detected
202117-A-0291 20081909-03E	Portico Walkway Roof Edges/ Silver Rolled Roof	Black Homogeneous Non- Fibrous Roofing	15%	Fiber Glass	85%	Non-fibrous (Other), Tar	No None Detected

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Collected Date: 8/19/2020
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 CAGX Job #: 20081909
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0292 20081909-04	Portico Walkway Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	3% 15%	Cellulose, Fiber Glass	82%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0292 20081909-04A	Portico Walkway Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	5% 15%	Cellulose, Fiber Glass	80%	Non-fibrous (Other), Tar	No None Detected
202117-A-0292 20081909-04B	Portico Walkway Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	15%	Fiber Glass	85%	Non-fibrous (Other), Tar	No None Detected
202117-A-0293 20081909-05	Portico Walkway Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	3% 15%	Cellulose, Fiber Glass	82%	Non-fibrous (Other), Quartz, Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0293 20081909-05A	Portico Walkway Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	5% 15%	Cellulose, Fiber Glass	80% Non-fibrous (Other), Tar	No	None Detected
202117-A-0294 20081909-06	Portico Walkway Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	3% 15%	Cellulose, Fiber Glass	82% Non-fibrous (Other), Quartz, Tar	No	None Detected
202117-A-0294 20081909-06A	Portico Walkway Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	5% 15%	Cellulose, Fiber Glass	80% Non-fibrous (Other), Tar	No	None Detected
202117-A-0295 20081909-07	Portico Walkway Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	5% 15%	Cellulose, Fiber Glass	80% Non-fibrous (Other), Tar	No	None Detected

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Collected Date: 8/19/2020
 Date Received: 8/19/2020
 CAGX Job #: 20081909
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0295 20081909-07A	Portico Walkway Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	15%	Fiber Glass	85%	Non-fibrous (Other), Tar	No None Detected
202117-A-0295 20081909-07B	Portico Walkway Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	3% 15%	Cellulose, Fiber Glass	82%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0296 20081909-08	Portico Walkway Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	3% 15%	Cellulose, Fiber Glass	82%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0296 20081909-08A	Portico Walkway Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	5% 15%	Cellulose, Fiber Glass	80%	Non-fibrous (Other), Tar	No None Detected

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Collected Date: 8/19/2020
 Date Received: 8/19/2020
 CAGX Job #: 20081909
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0297 20081909-09	Portico Walkway Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	3% 15%	Cellulose, Fiber Glass	82% Non-fibrous (Other), Quartz, Tar	No	None Detected
202117-A-0297 20081909-09A	Portico Walkway Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	5% 15%	Cellulose, Fiber Glass	80% Non-fibrous (Other), Tar	No	None Detected
202117-A-0297 20081909-09B	Portico Walkway Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	5% 15%	Cellulose, Fiber Glass	80% Non-fibrous (Other), Tar	No	None Detected
202117-A-0297 20081909-09C	Portico Walkway Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	15%	Fiber Glass	85% Non-fibrous (Other), Tar	No	None Detected

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CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

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 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/19/2020
 Date Received: 8/19/2020
 CAGX Job #: 20081909
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0298 20081909-10	Portico Walkway Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	3% 15%	Cellulose, Fiber Glass	82% Non-fibrous (Other), Quartz, Tar	No	None Detected
202117-A-0298 20081909-10A	Portico Walkway Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	5% 15%	Cellulose, Fiber Glass	80% Non-fibrous (Other), Tar	No	None Detected
202117-A-0298 20081909-10B	Portico Walkway Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	5% 15%	Cellulose, Fiber Glass	80% Non-fibrous (Other), Tar	No	None Detected
202117-A-0298 20081909-10C	Portico Walkway Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	15%	Fiber Glass	85% Non-fibrous (Other), Tar	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0299 20081909-11	Portico Walkway Roof Northeast/ Roof Penetration Mastic	Black Homogeneous Non- Fibrous Mastic		100% Non-fibrous (Other), Quartz, Tar	No	None Detected
202117-A-0300 20081909-12	Portico Walkway Roof Northeast/ Roof Penetration Mastic	Black Homogeneous Non- Fibrous Mastic		100% Non-fibrous (Other), Quartz, Tar	No	None Detected
202117-A-0301 20081909-13	Portico Walkway Roof Southwest/ Roof Penetration Mastic	Black Homogeneous Non- Fibrous Mastic		100% Non-fibrous (Other), Quartz, Tar	No	None Detected
202117-A-0302 20081909-14	Portico Walkway Roof/ Roof Penetration Mastic	Black, White Homogeneous Non- Fibrous Mastic	8% Cellulose, Synth Fiber	92% Non-fibrous (Other), Quartz, Tar	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0303 20081909-15	Portico Walkway Roof/ Roof Penetration Mastic	Black, White Homogeneous Non- Fibrous Mastic	8%	Cellulose, Synth Fiber	92%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0304 20081909-16	Portico Walkway Roof/ Roof Penetration Mastic	Black, White Homogeneous Non- Fibrous Mastic	8%	Cellulose, Synth Fiber	92%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0305 20081909-17	Portico Walkway Roof/ Roof Penetration Mastic	Black, Grey Homogeneous Non- Fibrous Mastic			97%	Non-fibrous (Other), Tar	Yes 3% Chrysotile
202117-A-0306 20081909-18	Portico Walkway Roof/ Roof Penetration Mastic	Black, Grey Homogeneous Non- Fibrous Mastic			97%	Non-fibrous (Other), Tar	Yes 3% Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0307 20081909-19	Portico Walkway Roof/ Roof Penetration Mastic	Black, Grey Homogeneous Non- Fibrous Mastic		97%	Non-fibrous (Other), Tar	Yes 3% Chrysotile
202117-A-0308 20081909-20	Canopy 1 Roof/ Rolled Roof	Black, White Homogeneous Non- Fibrous Roofing	10%	Cellulose, Fiber Glass	90% Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0308 20081909-20A	Canopy 1 Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	8%	Fiber Glass	92% Non-fibrous (Other), Tar	No None Detected
202117-A-0308 20081909-20B	Canopy 1 Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	10% 10%	Cellulose, Fiber Glass	80% Non-fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0309 20081909-21	Canopy 1 Roof/ Rolled Roof	Black, White Homogeneous Non- Fibrous Roofing	10%	Cellulose, Fiber Glass	90%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0309 20081909-21A	Canopy 1 Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	8%	Fiber Glass	92%	Non-fibrous (Other), Tar	No None Detected
202117-A-0309 20081909-21B	Canopy 1 Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	10% 10%	Cellulose, Fiber Glass	80%	Non-fibrous (Other), Tar	No None Detected
202117-A-0310 20081909-22	Canopy 1 Roof/ Rolled Roof	Black, White Homogeneous Non- Fibrous Roofing	10%	Cellulose, Fiber Glass	90%	Non-fibrous (Other), Quartz, Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0310 20081909-22A	Canopy 1 Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	8%	Fiber Glass	92%	Non-fibrous (Other), Tar	No None Detected
202117-A-0310 20081909-22B	Canopy 1 Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	10% 10%	Cellulose, Fiber Glass	80%	Non-fibrous (Other), Tar	No None Detected
202117-A-0311 20081909-23	Canopy 2 Roof/ Rolled Roof	Black, White Homogeneous Non- Fibrous Roofing	10%	Cellulose, Fiber Glass	90%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0311 20081909-23A	Canopy 2 Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	8%	Fiber Glass	92%	Non-fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0311 20081909-23B	Canopy 2 Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	10% 10%	Cellulose, Fiber Glass	80% Non-fibrous (Other), Tar	No	None Detected
202117-A-0312 20081909-24	Canopy 2 Roof/ Rolled Roof	Black, White Homogeneous Non- Fibrous Roofing	10%	Cellulose, Fiber Glass	90% Non-fibrous (Other), Quartz, Tar	No	None Detected
202117-A-0312 20081909-24A	Canopy 2 Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	8%	Fiber Glass	92% Non-fibrous (Other), Tar	No	None Detected
202117-A-0312 20081909-24B	Canopy 2 Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	10% 10%	Cellulose, Fiber Glass	80% Non-fibrous (Other), Tar	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0313 20081909-25	Canopy 2 Roof/ Rolled Roof	Black, White Homogeneous Non- Fibrous Roofing	10%	Cellulose, Fiber Glass	90%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0313 20081909-25A	Canopy 2 Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	8%	Fiber Glass	92%	Non-fibrous (Other), Tar	No None Detected
202117-A-0313 20081909-25B	Canopy 2 Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	10% 10%	Cellulose, Fiber Glass	80%	Non-fibrous (Other), Tar	No None Detected
202117-A-0314 20081909-26	Building 6 Exterior/ Stucco	White Homogeneous Non- Fibrous Stucco			100%	Binder, Non- fibrous (Other), Quartz	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0314 20081909-26A	Building 6 Exterior/ Stucco	Grey Homogeneous Non- Fibrous Stucco	100%	Cement, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0315 20081909-27	Building 6 Exterior/ Stucco	White Homogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0315 20081909-27A	Building 6 Exterior/ Stucco	Grey Homogeneous Non- Fibrous Stucco	100%	Cement, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0316 20081909-28	Building 6 Exterior/ Stucco	White Homogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected

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Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0316 20081909-28A	Building 6 Exterior/ Stucco	Grey Homogeneous Non- Fibrous Stucco	100%	Cement, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0317 20081909-29	Building 6 Exterior/ Stucco	White Homogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0317 20081909-29A	Building 6 Exterior/ Stucco	Grey Homogeneous Non- Fibrous Stucco	100%	Cement, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0318 20081909-30	Building 6 Exterior/ Stucco	White Homogeneous Non- Fibrous Stucco	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected

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 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0318 20081909-30A	Building 6 Exterior/ Stucco	Grey Homogeneous Non- Fibrous Stucco		100%	Cement, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0319 20081909-31	Building 6 Exterior/ Vapor Barrier Paper (Exterior)	Black Homogeneous Non- Fibrous Barrier Paper	70%	Cellulose	30% Non-fibrous (Other), Tar	No	None Detected
202117-A-0320 20081909-32	Building 6 Exterior/ Vapor Barrier Paper (Exterior)	Black Homogeneous Non- Fibrous Barrier Paper	70%	Cellulose	30% Non-fibrous (Other), Tar	No	None Detected
202117-A-0321 20081909-33	Building 6 Exterior/ Vapor Barrier Paper (Exterior)	Black Homogeneous Non- Fibrous Barrier Paper	70%	Cellulose	30% Non-fibrous (Other), Tar	No	None Detected

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CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/19/2020
 Date Received: 8/19/2020
 CAGX Job #: 20081909
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0322 20081909-34	Building 6 Exterior/ Vapor Barrier Paper (Exterior)	Black Homogeneous Non- Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected
202117-A-0323 20081909-35	Building 6 Exterior/ Vapor Barrier Paper (Exterior)	Black Homogeneous Non- Fibrous Barrier Paper	70%	Cellulose	30%	Non-fibrous (Other), Tar	No None Detected
202117-A-0324 20081909-36	Building 6 Roof/ Roof Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	3%	Cellulose	97%	Non-fibrous (Other), Tar	No None Detected
202117-A-0325 20081909-37	Building 6 Roof/ Roof Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	3%	Cellulose	97%	Non-fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0326 20081909-38	Building 6 Roof/ Roof Penetration Mastic	Black Homogeneous Non- Fibrous Mastic	3%	Cellulose	97%	Non-fibrous (Other), Tar	No None Detected
202117-A-0327 20081909-39	Building 6 Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	3% 10%	Cellulose, Fiber Glass	87%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0328 20081909-40	Building 6 Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	3% 10%	Cellulose, Fiber Glass	87%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0329 20081909-41	Building 6 Roof/ Rolled Roof	Black Homogeneous Non- Fibrous Roofing	3% 10%	Cellulose, Fiber Glass	87%	Non-fibrous (Other), Quartz, Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0330 20081909-42	Building 6 Roof/ Shingle Roof	Black Homogeneous Non- Fibrous Roofing	3% 10%	Cellulose, Fiber Glass	87% Non-fibrous (Other), Quartz, Tar	No	None Detected
202117-A-0331 20081909-43	Building 6 Roof/ Shingle Roof	Black Homogeneous Non- Fibrous Roofing	7% 10%	Cellulose, Fiber Glass	83% Non-fibrous (Other), Quartz, Tar	No	None Detected
202117-A-0331 20081909-43A	Building 6 Roof/ Shingle Roof	Black Homogeneous Non- Fibrous Roofing	5% 5%	Cellulose, Fiber Glass	90% Non-fibrous (Other), Quartz, Tar	No	None Detected
202117-A-0332 20081909-44	Building 6 Roof/ Shingle Roof	Black Homogeneous Non- Fibrous Roofing	7% 10%	Cellulose, Fiber Glass	83% Non-fibrous (Other), Quartz, Tar	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0332 20081909-44A	Building 6 Roof/ Shingle Roof	Black Homogeneous Non- Fibrous Roofing	5% 5%	Cellulose, Fiber Glass	90%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0333 20081909-45	Building 6 Roof/ Shingle Roof	Black Homogeneous Non- Fibrous Roofing	7% 10%	Cellulose, Fiber Glass	83%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0333 20081909-45A	Building 6 Roof/ Shingle Roof	Black Homogeneous Non- Fibrous Roofing	5% 5%	Cellulose, Fiber Glass	90%	Non-fibrous (Other), Quartz, Tar	No None Detected
202117-A-0334 20081909-46	Building 6 Roof/ Shingle Roof	Black Homogeneous Non- Fibrous Roofing	7% 10%	Cellulose, Fiber Glass	83%	Non-fibrous (Other), Quartz, Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0334 20081909-46A	Building 6 Roof/ Shingle Roof	Black Homogeneous Non- Fibrous Roofing	5% 5%	Cellulose, Fiber Glass	90% Non-fibrous (Other), Quartz, Tar	No	None Detected
202117-A-0335 20081909-47	Storage Container 2 Roof/ Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	5% 5% 5%	Cellulose, Fiber Glass, Synth Fiber	85% Non-fibrous (Other), Tar	No	None Detected
202117-A-0335 20081909-47A	Storage Container 2 Roof/ Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	5% 5% 5%	Cellulose, Fiber Glass, Synth Fiber	85% Non-fibrous (Other), Tar	No	None Detected
202117-A-0336 20081909-48	Storage Container 2 Roof/ Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	5% 5% 5%	Cellulose, Fiber Glass, Synth Fiber	85% Non-fibrous (Other), Tar	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0337 20081909-49	Storage Container 2 Roof/ Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	5% 5% 5%	Cellulose, Fiber Glass, Synth Fiber	85% 	Non-fibrous (Other), Tar	No None Detected
202117-A-0338 20081909-50	Storage Container 3 Roof/ Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	5% 5% 5%	Cellulose, Fiber Glass, Synth Fiber	85% 	Non-fibrous (Other), Tar	No None Detected
202117-A-0339 20081909-51	Storage Container 3 Roof/ Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	5% 5% 5%	Cellulose, Fiber Glass, Synth Fiber	85% 	Non-fibrous (Other), Tar	No None Detected
202117-A-0340 20081909-52	Storage Container 3 Roof/ Rolled Roof	Black, Silver Homogeneous Non- Fibrous Roofing	5% 5% 5%	Cellulose, Fiber Glass, Synth Fiber	85% 	Non-fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0341 20081909-53	Building 3 Girls Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Skim Coat	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0341 20081909-53A	Building 3 Girls Restroom/ Plaster on Buttonboard	Grey Heterogeneous Non- Fibrous Plaster	2%	Cellulose 98% Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0341 20081909-53B	Building 3 Girls Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose 94% Binder, Non- Gypsum, Non- fibrous (Other)	No	None Detected
202117-A-0342 20081909-54	Building 3 Electrical Room/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Skim Coat	99%	Binder, Non- fibrous (Other)	Yes	<1% Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0342 20081909-54A	Building 3 Electrical Room/ Plaster on Buttonboard	Grey Heterogeneous Non- Fibrous Plaster	2%	Cellulose	98%	Binder, Non- fibrous (Other), Quartz	No None Detected
202117-A-0342 20081909-54B	Building 3 Electrical Room/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose	94%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0343 20081909-55	Building 3 Girls Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Skim Coat			100%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0343 20081909-55A	Building 3 Girls Restroom/ Plaster on Buttonboard	Grey Heterogeneous Non- Fibrous Plaster	2%	Cellulose	98%	Binder, Non- fibrous (Other), Quartz	No None Detected

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Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0343 20081909-55B	Building 3 Girls Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose	94%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0344 20081909-56	Building 3 Girls Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Skim Coat			100%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0344 20081909-56A	Building 3 Girls Restroom/ Plaster on Buttonboard	Grey Heterogeneous Non- Fibrous Plaster	2%	Cellulose	98%	Binder, Non- fibrous (Other), Quartz	No None Detected
202117-A-0344 20081909-56B	Building 3 Girls Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose	94%	Binder, Gypsum, Non- fibrous (Other)	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0345 20081909-57	Building 3 Electrical Room/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Skim Coat	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0345 20081909-57A	Building 3 Electrical Room/ Plaster on Buttonboard	Grey Heterogeneous Non- Fibrous Plaster	2%	Cellulose 98% Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0345 20081909-57B	Building 3 Electrical Room/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose 94% Binder, Non- Gypsum, Non- fibrous (Other)	No	None Detected
202117-A-0346 20081909-58	Building 3 Electrical Room/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Skim Coat	100%	Binder, Non- fibrous (Other)	No	None Detected

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CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/19/2020
 Date Received: 8/19/2020
 CAGX Job #: 20081909
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0346 20081909-58A	Building 3 Electrical Room/ Plaster on Buttonboard	Grey Homogeneous Non- Fibrous Plaster	2%	Cellulose	98%	Binder, Non- fibrous (Other), Quartz	No None Detected
202117-A-0346 20081909-58B	Building 3 Electrical Room/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose	94%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0347 20081909-59	Building 3 Girls Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Skim Coat			100%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0347 20081909-59A	Building 3 Girls Restroom/ Plaster on Buttonboard	Grey Homogeneous Non- Fibrous Plaster	2%	Cellulose	98%	Binder, Non- fibrous (Other), Quartz	No None Detected

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 CAGX Job #: 20081909
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0347 20081909-59B	Building 3 Girls Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose	94%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0348 20081909-60	Building 4 Boys Restroom/ Plaster on Buttonboard	Beige Homogeneous Non- Fibrous Skim Coat			99%	Binder, Non- fibrous (Other)	Yes <1% Chrysotile
202117-A-0348 20081909-60A	Building 4 Boys Restroom/ Plaster on Buttonboard	Grey Homogeneous Non- Fibrous Plaster	2%	Cellulose	98%	Binder, Non- fibrous (Other), Quartz	No None Detected
202117-A-0348 20081909-60B	Building 4 Boys Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose	94%	Binder, Gypsum, Non- fibrous (Other)	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0349 20081909-61	Building 4 Boys Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Skim Coat	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0349 20081909-61A	Building 4 Boys Restroom/ Plaster on Buttonboard	Grey Homogeneous Non- Fibrous Plaster	2%	Cellulose 98% Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0349 20081909-61B	Building 4 Boys Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose 94% Binder, Non- Gypsum, Non- fibrous (Other)	No	None Detected
202117-A-0350 20081909-62	Building 4 Boys Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Skim Coat	100%	Binder, Non- fibrous (Other)	No	None Detected

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 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0350 20081909-62A	Building 4 Boys Restroom/ Plaster on Buttonboard	Grey Heterogeneous Non- Fibrous Plaster	2%	Cellulose	98%	Binder, Non- fibrous (Other), Quartz	No None Detected
202117-A-0351 20081909-63	Building 4 Boys Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Skim Coat			100%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0351 20081909-63A	Building 4 Boys Restroom/ Plaster on Buttonboard	Grey Heterogeneous Non- Fibrous Plaster	2%	Cellulose	98%	Binder, Non- fibrous (Other), Quartz	No None Detected
202117-A-0351 20081909-63B	Building 4 Boys Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose	94%	Binder, Gypsum, Non- fibrous (Other)	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0352 20081909-64	Building 4 Electrical Room/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Skim Coat	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0352 20081909-64A	Building 4 Electrical Room/ Plaster on Buttonboard	Grey Heterogeneous Non- Fibrous Plaster	2%	Cellulose 98% Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0352 20081909-64B	Building 4 Electrical Room/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose 94% Binder, Non- Gypsum, Non- fibrous (Other)	No	None Detected
202117-A-0353 20081909-65	Building 4 Electrical Room/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Skim Coat	100%	Binder, Non- fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0353 20081909-65A	Building 4 Electrical Room/ Plaster on Buttonboard	Grey Heterogeneous Non- Fibrous Plaster	2%	Cellulose	98%	Binder, Non- fibrous (Other), Quartz	No None Detected
202117-A-0353 20081909-65B	Building 4 Electrical Room/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose	94%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0354 20081909-66	Building 4 Electrical Room/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Skim Coat			100%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0354 20081909-66A	Building 4 Electrical Room/ Plaster on Buttonboard	Grey Heterogeneous Non- Fibrous Plaster	2%	Cellulose	98%	Binder, Non- fibrous (Other), Quartz	No None Detected

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Collected Date: 8/19/2020
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 CAGX Job #: 20081909
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0354 20081909-66B	Building 4 Electrical Room/ Plaster on Buttonboard	White Heterogeneous Non- Fibrous Dry Wall	6%	Cellulose	94%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0355 20081909-67	Building 5 Boys Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Skim Coat			100%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0355 20081909-67A	Building 5 Boys Restroom/ Plaster on Buttonboard	Grey Heterogeneous Non- Fibrous Plaster	2%	Cellulose	98%	Binder, Non- fibrous (Other), Quartz	No None Detected
202117-A-0355 20081909-67B	Building 5 Boys Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose	94%	Gypsum, Non- fibrous (Other), Quartz	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0356 20081909-68	Building 5 Boys Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Skim Coat	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-0356 20081909-68A	Building 5 Boys Restroom/ Plaster on Buttonboard	Grey Heterogeneous Non- Fibrous Plaster	2%	Cellulose 98% Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0356 20081909-68B	Building 5 Boys Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose 94% Gypsum, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0357 20081909-69	Building 5 Girls Restroom/ Plaster on Buttonboard	Grey Homogeneous Non- Fibrous Skim Coat	100%	Binder, Non- fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0357 20081909-69A	Building 5 Girls Restroom/ Plaster on Buttonboard	White Heterogeneous Non- Fibrous Plaster	2%	Cellulose	98%	Binder, Non- fibrous (Other), Quartz	No None Detected
202117-A-0357 20081909-69B	Building 5 Girls Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose	94%	Gypsum, Non- fibrous (Other), Quartz	No None Detected
202117-A-0358 20081909-70	Building 5 Girls Restroom/ Plaster on Buttonboard	Grey Homogeneous Non- Fibrous Skim Coat			100%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0358 20081909-70A	Building 5 Girls Restroom/ Plaster on Buttonboard	White Heterogeneous Non- Fibrous Plaster	2%	Cellulose	98%	Binder, Non- fibrous (Other), Quartz	No None Detected

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Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0358 20081909-70B	Building 5 Girls Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose	94%	Gypsum, Non- fibrous (Other), Quartz	No None Detected
202117-A-0359 20081909-71	Building 5 Electrical Room/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Skim Coat			100%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0359 20081909-71A	Building 5 Electrical Room/ Plaster on Buttonboard	Grey Heterogeneous Non- Fibrous Plaster	2%	Cellulose	98%	Binder, Non- fibrous (Other), Quartz	No None Detected
202117-A-0359 20081909-71B	Building 5 Electrical Room/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose	94%	Binder, Gypsum, Non- fibrous (Other)	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0360 20081909-72	Building 5 Electrical Room/ Plaster on Buttonboard	Beige Homogeneous Non- Fibrous Plaster	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0360 20081909-72A	Building 5 Electrical Room/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Skim Coat	2%	Cellulose	98% Binder, Non- fibrous (Other)	No None Detected
202117-A-0360 20081909-72B	Building 5 Electrical Room/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	5%	Cellulose	95% Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0361 20081909-73	Building 5 Electrical Room/ Plaster on Buttonboard	Beige Homogeneous Non- Fibrous Plaster	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected

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CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/19/2020
 Date Received: 8/19/2020
 CAGX Job #: 20081909
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0361 20081909-73A	Building 5 Electrical Room/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Skim Coat	2%	Cellulose	98%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0361 20081909-73B	Building 5 Electrical Room/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	5%	Cellulose	95%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0362 20081909-74	Building 2 Girls Restroom/ Plaster on Buttonboard	Beige Homogeneous Non- Fibrous Plaster			100%	Binder, Non- fibrous (Other), Quartz	No None Detected
202117-A-0362 20081909-74A	Building 2 Girls Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Skim Coat	2%	Cellulose	98%	Binder, Non- fibrous (Other)	No None Detected

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 CAGX Job #: 20081909
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0362 20081909-74B	Building 2 Girls Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	5%	Cellulose	95%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0363 20081909-75	Building 2 Girls Restroom/ Plaster on Buttonboard	Grey Heterogeneous Non- Fibrous Plaster			100%	Binder, Non- fibrous (Other), Quartz	No None Detected
202117-A-0363 20081909-75A	Building 2 Girls Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	2%	Cellulose	98%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0364 20081909-76	Building 2 Electrical Room/ Plaster on Buttonboard	Grey Heterogeneous Non- Fibrous Plaster			100%	Binder, Non- fibrous (Other), Quartz	No None Detected

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 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0364 20081909-76A	Building 2 Electrical Room/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	2%	Cellulose	98%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0365 20081909-77	Building 2 Girls Restroom/ Plaster on Buttonboard	Grey Heterogeneous Non- Fibrous Plaster			100%	Binder, Non- fibrous (Other), Quartz	No None Detected
202117-A-0365 20081909-77A	Building 2 Girls Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	2%	Cellulose	98%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0366 20081909-78	Building 2 Electrical Room/ Plaster on Buttonboard	Grey Heterogeneous Non- Fibrous Plaster			100%	Binder, Non- fibrous (Other), Quartz	No None Detected

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 CAGX Job #: 20081909
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0366 20081909-78A	Building 2 Electrical Room/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	2%	Cellulose	98%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0367 20081909-79	Building 2 Girls Restroom/ Plaster on Buttonboard	Grey Heterogeneous Non- Fibrous Plaster			100%	Binder, Non- fibrous (Other), Quartz	No None Detected
202117-A-0367 20081909-79A	Building 2 Girls Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	2%	Cellulose	98%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0368 20081909-80	Building 2 Electrical Room/ Plaster on Buttonboard	Grey Heterogeneous Non- Fibrous Plaster			100%	Binder, Non- fibrous (Other), Quartz	No None Detected

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Collected Date: 8/19/2020
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 CAGX Job #: 20081909
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0368 20081909-80A	Building 2 Electrical Room/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	2%	Cellulose	98%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0369 20081909-81	Building 1 Boys Restroom/ Plaster on Buttonboard	Grey Heterogeneous Non- Fibrous Plaster			100%	Binder, Non- fibrous (Other), Quartz	No None Detected
202117-A-0369 20081909-81A	Building 1 Boys Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	2%	Cellulose	98%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0370 20081909-82	Building 1 Boys Restroom/ Plaster on Buttonboard	Beige Homogeneous Non- Fibrous Plaster			100%	Binder, Non- fibrous (Other), Quartz	No None Detected

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Collected Date: 8/19/2020
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 CAGX Job #: 20081909
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0370 20081909-82A	Building 1 Boys Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Skim Coat	2%	Cellulose	98%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0370 20081909-82B	Building 1 Boys Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	5%	Cellulose	95%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0371 20081909-83	Building 1 Boys Restroom/ Plaster on Buttonboard	Beige Homogeneous Non- Fibrous Plaster			100%	Binder, Non- fibrous (Other), Quartz	No None Detected
202117-A-0371 20081909-83A	Building 1 Boys Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Skim Coat	2%	Cellulose	98%	Binder, Non- fibrous (Other)	No None Detected

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 Irvine, CA 92618
 Phone: (949)333-3276

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Collected Date: 8/19/2020
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 CAGX Job #: 20081909
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0371 20081909-83B	Building 1 Boys Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	5%	Cellulose	95%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0372 20081909-84	Building 1 Boys Restroom/ Plaster on Buttonboard	Beige Homogeneous Non- Fibrous Plaster			100%	Binder, Non- fibrous (Other), Quartz	No None Detected
202117-A-0372 20081909-84A	Building 1 Boys Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Skim Coat	2%	Cellulose	98%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0372 20081909-84B	Building 1 Boys Restroom/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	5%	Cellulose	95%	Binder, Gypsum, Non- fibrous (Other)	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0373 20081909-85	Building 1 Electrical Room/ Plaster on Buttonboard	Beige Homogeneous Non- Fibrous Plaster	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-0373 20081909-85A	Building 1 Electrical Room/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Skim Coat	2%	Cellulose	98% Binder, Non- fibrous (Other)	No None Detected
202117-A-0373 20081909-85B	Building 1 Electrical Room/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	5%	Cellulose	95% Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0374 20081909-86	Building 1 Electrical Room/ Plaster on Buttonboard	Beige Homogeneous Non- Fibrous Plaster	100%	Binder, Non- fibrous (Other), Quartz	No	None Detected

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 CAGX Job #: 20081909
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0374 20081909-86A	Building 1 Electrical Room/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Skim Coat	2%	Cellulose	98%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0374 20081909-86B	Building 1 Electrical Room/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	5%	Cellulose	95%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0375 20081909-87	Building 1 Electrical Room/ Plaster on Buttonboard	Beige Homogeneous Non- Fibrous Plaster			100%	Binder, Non- fibrous (Other), Quartz	No None Detected
202117-A-0375 20081909-87A	Building 1 Electrical Room/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Skim Coat	2%	Cellulose	98%	Binder, Non- fibrous (Other)	No None Detected

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 CAGX Job #: 20081909
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0375 20081909-87B	Building 1 Electrical Room/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Dry Wall	5%	Cellulose	95%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0376 20081909-88	Building 2 Electrical Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose	94%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0376 20081909-88A	Building 2 Electrical Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound	2%	Cellulose	97%	Binder, Non- fibrous (Other)	Yes <1% Chrysotile
202117-A-0377 20081909-89	Building 2 Electrical Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose	94%	Binder, Gypsum, Non- fibrous (Other)	No None Detected

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 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/19/2020
 Date Received: 8/19/2020
 CAGX Job #: 20081909
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0377 20081909-89A	Building 2 Electrical Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound	2%	Cellulose	97%	Binder, Non- fibrous (Other)	Yes <1% Chrysotile
202117-A-0378 20081909-90	Building 2 Electrical Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose	94%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0378 20081909-90A	Building 2 Electrical Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound	2%	Cellulose	97%	Binder, Non- fibrous (Other)	Yes <1% Chrysotile
202117-A-0379 20081909-91	Building 3 Girls Restroom/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose	94%	Binder, Gypsum, Non- fibrous (Other)	No None Detected

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CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

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 CAGX Job #: 20081909
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0379 20081909-91A	Building 3 Girls Restroom/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound	2%	Cellulose	97%	Binder, Non- fibrous (Other)	Yes <1% Chrysotile
202117-A-0380 20081909-92	Building 3 Girls Restroom/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose	94%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0380 20081909-92A	Building 3 Girls Restroom/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound	2%	Cellulose	97%	Binder, Non- fibrous (Other)	Yes <1% Chrysotile
202117-A-0381 20081909-93	Building 3 Girls Restroom/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose	94%	Binder, Gypsum, Non- fibrous (Other)	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-0381 20081909-93A	Building 3 Girls Restroom/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound			100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-0382 20081909-94	Building 3 Electrical Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose	94% Binder, Gypsum, Non- fibrous (Other)	No	None Detected
202117-A-0382 20081909-94A	Building 3 Electrical Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound			100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-0383 20081909-95	Building 3 Electrical Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose	94% Binder, Gypsum, Non- fibrous (Other)	No	None Detected

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 CAGX Job #: 20081909
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0383 20081909-95A	Building 3 Electrical Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound	9%	Polyethylene 91%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0384 20081909-96	Building 4 Boys Restroom/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose 94%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0384 20081909-96A	Building 4 Boys Restroom/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound			99% Binder, Non- fibrous (Other)	Yes <1% Chrysotile
202117-A-0385 20081909-97	Building 4 Boys Restroom/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose 94%	Binder, Gypsum, Non- fibrous (Other)	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0385 20081909-97A	Building 4 Boys Restroom/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound	99%	Binder, Non- fibrous (Other)	Yes	<1% Chrysotile
202117-A-0386 20081909-98	Building 4 Electrical Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose	94%	Binder, Gypsum, Non- fibrous (Other) No None Detected
202117-A-0386 20081909-98A	Building 4 Electrical Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound	99%	Binder, Non- fibrous (Other)	Yes	<1% Chrysotile
202117-A-0387 20081909-99	Building 4 Electrical Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose	94%	Binder, Gypsum, Non- fibrous (Other) No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0387 20081909-99A	Building 4 Electrical Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound		99%	Binder, Non- fibrous (Other)	Yes <1% Chrysotile
202117-A-0388 20081909-100	Building 4 Electrical Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose	94% Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0388 20081909- 100A	Building 4 Electrical Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound		99%	Binder, Non- fibrous (Other)	Yes <1% Chrysotile
202117-A-0389 20081909-101	Building 5 Boys Restroom/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	4% 3%	Cellulose, Fiber Glass	93% Binder, Gypsum, Non- fibrous (Other)	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0389 20081909-101A	Building 5 Boys Restroom/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-0390 20081909-102	Building 5 Boys Restroom/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	4% 3%	Cellulose, Fiber Glass	93% Binder, Non- Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0390 20081909-102A	Building 5 Boys Restroom/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-0391 20081909-103	Building 5 Girls Restroom/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	4% 3%	Cellulose, Fiber Glass	93% Binder, Non- Gypsum, Non- fibrous (Other)	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0391 20081909-103A	Building 5 Girls Restroom/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound	9%	Polyethylene 91%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0392 20081909-104	Building 5 Girls Restroom/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	4% 3%	Cellulose, Fiber Glass	93% Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0392 20081909-104A	Building 5 Girls Restroom/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound		100%	Binder, Non- fibrous (Other)	No None Detected
202117-A-0393 20081909-105	Building 5 Electrical Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	4% 3%	Cellulose, Fiber Glass	93% Binder, Gypsum, Non- fibrous (Other)	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0393 20081909-105A	Building 5 Electrical Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound		100% Binder, Non-fibrous (Other)	No	None Detected
202117-A-0394 20081909-106	Building 6/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	4% 3%	Cellulose, Fiber Glass	93% Binder, Gypsum, Non-fibrous (Other)	No None Detected
202117-A-0394 20081909-106A	Building 6/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound	9%	Polyethylene	91% Binder, Non-fibrous (Other)	No None Detected
202117-A-0395 20081909-107	Building 6/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	4% 3%	Cellulose, Fiber Glass	93% Binder, Gypsum, Non-fibrous (Other)	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0395 20081909-107A	Building 6/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound		100% Binder, Non-fibrous (Other)	No	None Detected
202117-A-0396 20081909-108	Building 6/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	4% 3%	Cellulose, Fiber Glass	93% Binder, Gypsum, Non-fibrous (Other)	No None Detected
202117-A-0396 20081909-108A	Building 6/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound		100% Binder, Non-fibrous (Other)	No	None Detected
202117-A-0397 20081909-109	Building 7/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose	94% Binder, Gypsum, Non-fibrous (Other)	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0398 20081909-110	Building 7/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose	94%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0399 20081909-111	Building 7/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose	94%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0400 20081909-112	Building 7/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose	94%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-0401 20081909-113	Building 7/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	6%	Cellulose	94%	Binder, Gypsum, Non- fibrous (Other)	No None Detected

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CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/19/2020
 Date Received: 8/19/2020
 CAGX Job #: 20081909
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0402 20081909-114	Building 6/ Pins and Fissures Acoustic Ceiling Tile	Tan, White Homogeneous Non- Fibrous Ceiling Tiles	40% 30%	Cellulose, Fiber Glass	30% Binder, Non- fibrous (Other)	No	None Detected
202117-A-0403 20081909-115	Building 6/ Pins and Fissures Acoustic Ceiling Tile	Tan, White Homogeneous Non- Fibrous Ceiling Tiles	40% 30%	Cellulose, Fiber Glass	30% Binder, Non- fibrous (Other)	No	None Detected
202117-A-0404 20081909-116	Building 6/ Pins and Fissures Acoustic Ceiling Tile	Tan, White Homogeneous Non- Fibrous Ceiling Tiles	40% 30%	Cellulose, Fiber Glass	30% Binder, Non- fibrous (Other)	No	None Detected

Total Number of Samples: 116
 Total Number of Layers: 243

Approved Signatory:

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 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/21/2020
 Date Received: 8/21/2020
 CAGX Job #: 20082109
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-405 20082109-01	Building 7/ Pins and Fissures Acoustic Ceiling Tile	White Homogeneous Non- Fibrous Ceiling Tiles	8% 3%	Cellulose, Fiber Glass	89% Binder, Non- fibrous (Other)	No	None Detected
202117-A-405 20082109-01A	Building 7/ Pins and Fissures Acoustic Ceiling Tile	Tan Homogeneous Fibrous Ceiling Tiles	45% 20%	Cellulose, Fiber Glass	35% Non-fibrous (Other)	No	None Detected
202117-A-406 20082109-02	Building 7/ Pins and Fissures Acoustic Ceiling Tile	White Homogeneous Non- Fibrous Ceiling Tiles	8% 3%	Cellulose, Fiber Glass	89% Binder, Non- fibrous (Other)	No	None Detected
202117-A-406 20082109-02A	Building 7/ Pins and Fissures Acoustic Ceiling Tile	Tan Homogeneous Fibrous Ceiling Tiles	45% 20%	Cellulose, Fiber Glass	35% Non-fibrous (Other)	No	None Detected

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 CAGX Job #: 20082109
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-407 20082109-03	Building 7/ Pins and Fissures Acoustic Ceiling Tile	White Homogeneous Non- Fibrous Ceiling Tiles	8% 3%	Cellulose, Fiber Glass	89% Binder, Non- fibrous (Other)	No	None Detected
202117-A-407 20082109-03A	Building 7/ Pins and Fissures Acoustic Ceiling Tile	Tan Homogeneous Fibrous Ceiling Tiles	45% 20%	Cellulose, Fiber Glass	35% Non-fibrous (Other)	No	None Detected
202117-A-408 20082109-04	Building 8/ Pins and Fissures Acoustic Ceiling Tile	White Homogeneous Non- Fibrous Ceiling Tiles	8% 3%	Cellulose, Fiber Glass	89% Binder, Non- fibrous (Other)	No	None Detected
202117-A-408 20082109-04A	Building 8/ Pins and Fissures Acoustic Ceiling Tile	Tan Homogeneous Fibrous Ceiling Tiles	45% 20%	Cellulose, Fiber Glass	35% Non-fibrous (Other)	No	None Detected

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Collected Date: 8/21/2020
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 CAGX Job #: 20082109
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-409 20082109-05	Building 8/ Pins and Fissures Acoustic Ceiling Tile	White Homogeneous Non- Fibrous Ceiling Tiles	8% 3%	Cellulose, Fiber Glass	89% Binder, Non- fibrous (Other)	No	None Detected
202117-A-409 20082109-05A	Building 8/ Pins and Fissures Acoustic Ceiling Tile	Tan Homogeneous Fibrous Ceiling Tiles	45% 20%	Cellulose, Fiber Glass	35% Non-fibrous (Other)	No	None Detected
202117-A-410 20082109-06	Building 8/ Pins and Fissures Acoustic Ceiling Tile	White Homogeneous Non- Fibrous Ceiling Tiles	8% 3%	Cellulose, Fiber Glass	89% Binder, Non- fibrous (Other)	No	None Detected
202117-A-410 20082109-06A	Building 8/ Pins and Fissures Acoustic Ceiling Tile	Tan Homogeneous Fibrous Ceiling Tiles	45% 20%	Cellulose, Fiber Glass	35% Non-fibrous (Other)	No	None Detected

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 CAGX Job #: 20082109
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-411 20082109-07	Building 9/ Pins and Fissures Acoustic Ceiling Tile	White Homogeneous Non- Fibrous Ceiling Tiles	8% 3%	Cellulose, Fiber Glass	89% Binder, Non- fibrous (Other)	No	None Detected
202117-A-411 20082109-07A	Building 9/ Pins and Fissures Acoustic Ceiling Tile	Tan Homogeneous Fibrous Ceiling Tiles	45% 20%	Cellulose, Fiber Glass	35% Non-fibrous (Other)	No	None Detected
202117-A-412 20082109-08	Building 9/ Pins and Fissures Acoustic Ceiling Tile	White Homogeneous Non- Fibrous Ceiling Tiles	8% 3%	Cellulose, Fiber Glass	89% Binder, Non- fibrous (Other)	No	None Detected
202117-A-412 20082109-08A	Building 9/ Pins and Fissures Acoustic Ceiling Tile	Tan Homogeneous Fibrous Ceiling Tiles	45% 20%	Cellulose, Fiber Glass	35% Non-fibrous (Other)	No	None Detected

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Collected Date: 8/21/2020
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 CAGX Job #: 20082109
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-413 20082109-09	Building 9/ Pins and Fissures Acoustic Ceiling Tile	White Homogeneous Non- Fibrous Ceiling Tiles	8% 3%	Cellulose, Fiber Glass	89% Binder, Non-fibrous (Other)	No	None Detected
202117-A-413 20082109-09A	Building 9/ Pins and Fissures Acoustic Ceiling Tile	Tan Homogeneous Fibrous Ceiling Tiles	45% 20%	Cellulose, Fiber Glass	35% Non-fibrous (Other)	No	None Detected
202117-A-414 20082109-10	Building 10/ Pins and Fissures Acoustic Ceiling Tile	White Homogeneous Non- Fibrous Ceiling Tiles	8% 3%	Cellulose, Fiber Glass	89% Binder, Non-fibrous (Other)	No	None Detected
202117-A-414 20082109-10A	Building 10/ Pins and Fissures Acoustic Ceiling Tile	Tan Homogeneous Fibrous Ceiling Tiles	45% 20%	Cellulose, Fiber Glass	35% Non-fibrous (Other)	No	None Detected

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Collected Date: 8/21/2020
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 CAGX Job #: 20082109
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-415 20082109-11	Building 10/ Pins and Fissures Acoustic Ceiling Tile	White Homogeneous Non- Fibrous Ceiling Tiles	8% 3%	Cellulose, Fiber Glass	89% Binder, Non- fibrous (Other)	No	None Detected
202117-A-415 20082109-11A	Building 10/ Pins and Fissures Acoustic Ceiling Tile	Tan Homogeneous Fibrous Ceiling Tiles	45% 20%	Cellulose, Fiber Glass	35% Non-fibrous (Other)	No	None Detected
202117-A-416 20082109-12	Building 10/ Pins and Fissures Acoustic Ceiling Tile	White Homogeneous Non- Fibrous Ceiling Tiles	8% 3%	Cellulose, Fiber Glass	89% Binder, Non- fibrous (Other)	No	None Detected
202117-A-416 20082109-12A	Building 10/ Pins and Fissures Acoustic Ceiling Tile	Tan Homogeneous Fibrous Ceiling Tiles	45% 20%	Cellulose, Fiber Glass	35% Non-fibrous (Other)	No	None Detected

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 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-417 20082109-13	Building 8/ Drywall with Wall panel Mastic	White Homogeneous Non- Fibrous Ceiling Tiles	8% 3%	Cellulose, Fiber Glass	89% Binder, Non- fibrous (Other)	No	None Detected
202117-A-417 20082109-13A	Building 8/ Drywall with Wall panel Mastic	Tan Homogeneous Fibrous Ceiling Tiles	45% 20%	Cellulose, Fiber Glass	35% Non-fibrous (Other)	No	None Detected
202117-A-418 20082109-14	Building 8/ Drywall with Wall panel Mastic	White Homogeneous Non- Fibrous Ceiling Tiles	8% 3%	Cellulose, Fiber Glass	89% Binder, Non- fibrous (Other)	No	None Detected
202117-A-418 20082109-14A	Building 8/ Drywall with Wall panel Mastic	Tan Homogeneous Fibrous Ceiling Tiles	45% 20%	Cellulose, Fiber Glass	35% Non-fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-419 20082109-15	Building 8/ Drywall with Wall panel Mastic	White Homogeneous Non- Fibrous Ceiling Tiles	8% 3%	Cellulose, Fiber Glass	89% Binder, Non- fibrous (Other)	No	None Detected
202117-A-419 20082109-15A	Building 8/ Drywall with Wall panel Mastic	Tan Homogeneous Fibrous Ceiling Tiles	45% 20%	Cellulose, Fiber Glass	35% Non-fibrous (Other)	No	None Detected
202117-A-420 20082109-16	Building 8/ Drywall with Wall panel Mastic	White Homogeneous Non- Fibrous Ceiling Tiles	8% 3%	Cellulose, Fiber Glass	89% Binder, Non- fibrous (Other)	No	None Detected
202117-A-420 20082109-16A	Building 8/ Drywall with Wall panel Mastic	Tan Homogeneous Fibrous Ceiling Tiles	45% 20%	Cellulose, Fiber Glass	35% Non-fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-421 20082109-17	Building 8/ Drywall with Wall panel Mastic	White Homogeneous Non- Fibrous Ceiling Tiles	8% 3%	Cellulose, Fiber Glass	89% Binder, Non- fibrous (Other)	No	None Detected
202117-A-421 20082109-17A	Building 8/ Drywall with Wall panel Mastic	Tan Homogeneous Fibrous Ceiling Tiles	45% 20%	Cellulose, Fiber Glass	35% Non-fibrous (Other)	No	None Detected
202117-A-422 20082109-18	Building 9/ Drywall with Wall panel Mastic	White Homogeneous Non- Fibrous Ceiling Tiles	8% 3%	Cellulose, Fiber Glass	89% Binder, Non- fibrous (Other)	No	None Detected
202117-A-422 20082109-18A	Building 9/ Drywall with Wall panel Mastic	Tan Homogeneous Fibrous Ceiling Tiles	45% 20%	Cellulose, Fiber Glass	35% Non-fibrous (Other)	No	None Detected

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CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

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 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/21/2020
 Date Received: 8/21/2020
 CAGX Job #: 20082109
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-423 20082109-19	Building 9/ Drywall with Wall panel Mastic	White Homogeneous Non- Fibrous Ceiling Tiles	8% 3%	Cellulose, Fiber Glass	89% Binder, Non- fibrous (Other)	No	None Detected
202117-A-423 20082109-19A	Building 9/ Drywall with Wall panel Mastic	Tan Homogeneous Fibrous Ceiling Tiles	45% 20%	Cellulose, Fiber Glass	35% Non-fibrous (Other)	No	None Detected
202117-A-424 20082109-20	Building 9/ Drywall with Wall panel Mastic	White Homogeneous Non- Fibrous Ceiling Tiles	8% 3%	Cellulose, Fiber Glass	89% Binder, Non- fibrous (Other)	No	None Detected
202117-A-424 20082109-20A	Building 9/ Drywall with Wall panel Mastic	Tan Homogeneous Fibrous Ceiling Tiles	45% 20%	Cellulose, Fiber Glass	35% Non-fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-425 20082109-21	Building 9/ Drywall with Wall panel Mastic	White Homogeneous Non- Fibrous Dry Wall	3%	Cellulose	97%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-425 20082109-21A	Building 9/ Drywall with Wall panel Mastic	Tan, Yellow Homogeneous Non- Fibrous Mastic	5%	Cellulose	95%	Glues, Non- fibrous (Other)	No None Detected
202117-A-426 20082109-22	Building 9/ Drywall with Wall panel Mastic	White Homogeneous Non- Fibrous Dry Wall	3%	Cellulose	97%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-426 20082109-22A	Building 9/ Drywall with Wall panel Mastic	Tan, Yellow Homogeneous Non- Fibrous Mastic	5%	Cellulose	95%	Glues, Non- fibrous (Other)	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-427 20082109-23	Building 10/ Drywall with Wall panel Mastic	White Homogeneous Non- Fibrous Dry Wall	3%	Cellulose	97%	Binder, Gypsum, Non- fibrous (Other) No None Detected
202117-A-427 20082109-23A	Building 10/ Drywall with Wall panel Mastic	Tan, Yellow Homogeneous Non- Fibrous Mastic	5%	Cellulose	95%	Glues, Non- fibrous (Other) No None Detected
202117-A-428 20082109-24	Building 10/ Drywall with Wall panel Mastic	White Homogeneous Non- Fibrous Dry Wall	3%	Cellulose	97%	Binder, Gypsum, Non- fibrous (Other) No None Detected
202117-A-428 20082109-24A	Building 10/ Drywall with Wall panel Mastic	Tan, Yellow Homogeneous Non- Fibrous Mastic	5%	Cellulose	95%	Glues, Non- fibrous (Other) No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-429 20082109-25	Building 10/ Drywall with Wall panel Mastic	White Homogeneous Non- Fibrous Dry Wall	3%	Cellulose	97%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-429 20082109-25A	Building 10/ Drywall with Wall panel Mastic	Tan, Yellow Homogeneous Non- Fibrous Mastic	5%	Cellulose	95%	Glues, Non- fibrous (Other)	No None Detected
202117-A-430 20082109-26	Building 10/ Drywall with Wall panel Mastic	White Homogeneous Non- Fibrous Dry Wall	3%	Cellulose	97%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-430 20082109-26A	Building 10/ Drywall with Wall panel Mastic	Tan, Yellow Homogeneous Non- Fibrous Mastic	5%	Cellulose	95%	Glues, Non- fibrous (Other)	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-431 20082109-27	Building 10/ Drywall with Wall panel Mastic	White Homogeneous Non- Fibrous Dry Wall	3%	Cellulose	97% Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-431 20082109-27A	Building 10/ Drywall with Wall panel Mastic	Tan, Yellow Homogeneous Non- Fibrous Mastic	5%	Cellulose	95% Glues, Non- fibrous (Other)	No None Detected
202117-A-432 20082109-28	Northeast Portico Roof/ Diameter Transite Pipe	Grey Homogeneous Non- Fibrous Transite Pipe			65% Binder, Non- fibrous (Other)	Yes 20% Chrysotile, 15% Crocidolite
202117-A-433 20082109-29	Northeast Portico Roof/ Diameter Transite Pipe	Grey Homogeneous Non- Fibrous Transite Pipe			65% Binder, Non- fibrous (Other)	Yes 20% Chrysotile, 15% Crocidolite

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-434 20082109-30	Northeast Portico Roof/ Diameter Transite Pipe	Grey Homogeneous Non- Fibrous Transite Pipe	65%	Binder, Non- fibrous (Other)	Yes	20% Chrysotile 15% Crocidolite
202117-A-435 20082109-31	MPR/ Pinhole Acoustic Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	90%	Cellulose 10% Binder, Non- fibrous (Other)	No	None Detected
202117-A-435 20082109-31A	MPR/ Pinhole Acoustic Ceiling Tile	Brown Homogeneous Non- Fibrous Mastic	5%	Cellulose 95% Non-fibrous (Other)	No	None Detected
202117-A-436 20082109-32	MPR/ Pinhole Acoustic Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	90%	Cellulose 10% Binder, Non- fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-436 20082109-32A	MPR/ Pinhole Acoustic Ceiling Tile	Brown Homogeneous Non- Fibrous Mastic	5%	Cellulose	95%	Non-fibrous (Other)	No None Detected
202117-A-437 20082109-33	MPR/ Pinhole Acoustic Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	90%	Cellulose	10%	Binder, Non- fibrous (Other)	No None Detected
202117-A-437 20082109-33A	MPR/ Pinhole Acoustic Ceiling Tile	Brown Homogeneous Non- Fibrous Mastic	5%	Cellulose	95%	Non-fibrous (Other)	No None Detected
202117-A-438 20082109-34	MPR/ Pinhole Acoustic Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	90%	Cellulose	10%	Binder, Non- fibrous (Other)	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-438 20082109-34A	MPR/ Pinhole Acoustic Ceiling Tile	Brown Homogeneous Non- Fibrous Mastic	5%	Cellulose	95%	Non-fibrous (Other)	No None Detected
202117-A-439 20082109-35	MPR/ Pinhole Acoustic Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	90%	Cellulose	10%	Binder, Non- fibrous (Other)	No None Detected
202117-A-439 20082109-35A	MPR/ Pinhole Acoustic Ceiling Tile	Brown Homogeneous Non- Fibrous Mastic	5%	Cellulose	95%	Non-fibrous (Other)	No None Detected
202117-A-440 20082109-36	MPR/ Pinhole Acoustic Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	90%	Cellulose	10%	Binder, Non- fibrous (Other)	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-440 20082109-36A	MPR/ Pinhole Acoustic Ceiling Tile	Brown Homogeneous Non- Fibrous Mastic	5%	Cellulose	95%	Non-fibrous (Other)	No None Detected
202117-A-441 20082109-37	MPR/ Pinhole Acoustic Ceiling Tile	Tan, White Homogeneous Fibrous Ceiling Tiles	90%	Cellulose	10%	Binder, Non- fibrous (Other)	No None Detected
202117-A-441 20082109-37A	MPR/ Pinhole Acoustic Ceiling Tile	Brown Homogeneous Non- Fibrous Mastic	5%	Cellulose	95%	Non-fibrous (Other)	No None Detected
202117-A-442 20082109-38	Admin/ Pins Acoustic Ceiling Tile	Beige, White Homogeneous Fibrous Ceiling Tiles	40% 30%	Cellulose, Fiber Glass	30%	Non-fibrous (Other)	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-443 20082109-39	Admin/ Pins Acoustic Ceiling Tile	Beige, White Homogeneous Fibrous Ceiling Tiles	40% 30%	Cellulose, Fiber Glass	30% Non-fibrous (Other)	No	None Detected
202117-A-444 20082109-40	Admin/ Pins Acoustic Ceiling Tile	Beige, White Homogeneous Fibrous Ceiling Tiles	40% 30%	Cellulose, Fiber Glass	30% Non-fibrous (Other)	No	None Detected
202117-A-445 20082109-41	MPR/ Pins Acoustic Ceiling Tile	Beige, White Homogeneous Fibrous Ceiling Tiles	40% 30%	Cellulose, Fiber Glass	30% Non-fibrous (Other)	No	None Detected
202117-A-446 20082109-42	MPR/ Pins Acoustic Ceiling Tile	Beige, White Homogeneous Fibrous Ceiling Tiles	40% 30%	Cellulose, Fiber Glass	30% Non-fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-447 20082109-43	MPR/ Pins Acoustic Ceiling Tile	Beige, White Homogeneous Fibrous Ceiling Tiles	40% 30%	Cellulose, Fiber Glass	30% Non-fibrous (Other)	No	None Detected
202117-A-448 20082109-44	MPR/ Plaster on Buttonboard	Grey Heterogeneous Non- Fibrous Plaster			100% Binder, Non- fibrous (Other), Quartz	No	None Detected
202117-A-448 20082109-44A	MPR/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Buttonboard	5%	Cellulose	95% Binder, Gypsum, Non- fibrous (Other)	No	None Detected
202117-A-449 20082109-45	MPR/ Plaster on Buttonboard	Grey Heterogeneous Non- Fibrous Plaster			100% Binder, Non- fibrous (Other), Quartz	No	None Detected

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CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/21/2020
 Date Received: 8/21/2020
 CAGX Job #: 20082109
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-449 20082109-45A	MPR/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Buttonboard	5%	Cellulose	95% Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-450 20082109-46	MPR/ Plaster on Buttonboard	Grey Heterogeneous Non- Fibrous Plaster			100% Binder, Non- fibrous (Other), Quartz	No None Detected
202117-A-450 20082109-46A	MPR/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Buttonboard	5%	Cellulose	95% Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-451 20082109-47	MPR/ Plaster on Buttonboard	Grey Homogeneous Non- Fibrous Plaster			100% Binder, Non- fibrous (Other), Quartz	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-451 20082109-47A	MPR/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Buttonboard	5%	Cellulose	95% Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-452 20082109-48	MPR/ Plaster on Buttonboard	Grey Homogeneous Non- Fibrous Plaster			100% Binder, Non- fibrous (Other), Quartz	No None Detected
202117-A-452 20082109-48A	MPR/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Buttonboard	5%	Cellulose	95% Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-453 20082109-49	MPR/ Plaster on Buttonboard	Grey Homogeneous Non- Fibrous Plaster			100% Binder, Non- fibrous (Other), Quartz	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-453 20082109-49A	MPR/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Buttonboard	5%	Cellulose	95% Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-454 20082109-50	MPR/ Plaster on Buttonboard	Grey Homogeneous Non- Fibrous Plaster			100% Binder, Non- fibrous (Other), Quartz	No None Detected
202117-A-454 20082109-50A	MPR/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Buttonboard	5%	Cellulose	95% Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-455 20082109-51	Admin/ Plaster on Buttonboard	Grey Homogeneous Non- Fibrous Plaster			100% Binder, Non- fibrous (Other), Quartz	No None Detected

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 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-455 20082109-51A	Admin/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Buttonboard	5%	Cellulose	95% Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-456 20082109-52	Admin/ Plaster on Buttonboard	Grey Homogeneous Non- Fibrous Plaster			100% Binder, Non- fibrous (Other), Quartz	No None Detected
202117-A-456 20082109-52A	Admin/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Buttonboard	5%	Cellulose	95% Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-457 20082109-53	Admin/ Plaster on Buttonboard	Grey Homogeneous Non- Fibrous Plaster			100% Binder, Non- fibrous (Other), Quartz	No None Detected

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 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-457 20082109-53A	Admin/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Buttonboard	5%	Cellulose	95% Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-458 20082109-54	Kindergarten/ Plaster on Buttonboard	Grey Homogeneous Non- Fibrous Plaster			100% Binder, Non- fibrous (Other), Quartz	No None Detected
202117-A-458 20082109-54A	Kindergarten/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Buttonboard	5%	Cellulose	95% Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-459 20082109-55	Kindergarten/ Plaster on Buttonboard	Grey Homogeneous Non- Fibrous Plaster			100% Binder, Non- fibrous (Other), Quartz	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-459 20082109-55A	Kindergarten/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Buttonboard	5%	Cellulose	95% Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-460 20082109-56	Admin/ Plaster on Buttonboard	Grey Homogeneous Non- Fibrous Plaster			100% Binder, Non- fibrous (Other), Quartz	No None Detected
202117-A-460 20082109-56A	Admin/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Buttonboard	5%	Cellulose	95% Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-461 20082109-57	Admin/ Plaster on Buttonboard	Grey Homogeneous Non- Fibrous Plaster			100% Binder, Non- fibrous (Other), Quartz	No None Detected

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 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

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 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-461 20082109-57A	Admin/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Buttonboard	5%	Cellulose	95% Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-462 20082109-58	Admin (Exterior)/ Stucco	Grey Homogeneous Non- Fibrous Stucco			100% Non-fibrous (Other), Quartz, Sand	No None Detected
202117-A-463 20082109-59	Kindergarten (Exterior)/ Stucco	Grey Homogeneous Non- Fibrous Stucco			100% Non-fibrous (Other), Quartz, Sand	No None Detected
202117-A-464 20082109-60	Kindergarten (Exterior)/ Stucco	Grey Homogeneous Non- Fibrous Stucco			100% Non-fibrous (Other), Quartz, Sand	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-465 20082109-61	Kindergarten (Exterior)/ Stucco	Grey Homogeneous Non- Fibrous Stucco		100% Non-fibrous (Other), Quartz, Sand	No	None Detected
202117-A-466 20082109-62	Kindergarten (Exterior)/ Stucco	Grey Homogeneous Non- Fibrous Stucco		100% Non-fibrous (Other), Quartz, Sand	No	None Detected
202117-A-467 20082109-63	Admin (Exterior)/ Stucco	Grey Homogeneous Non- Fibrous Stucco		100% Non-fibrous (Other), Quartz, Sand	No	None Detected
202117-A-468 20082109-64	Admin (Exterior)/ Stucco	Grey Homogeneous Non- Fibrous Stucco		100% Non-fibrous (Other), Quartz, Sand	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-469 20082109-65	MPR Custodian Closet/ Drywall	White Homogeneous Non- Fibrous Dry Wall	5% 3%	Cellulose, Fiber Glass	92% Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-470 20082109-66	MPR Custodian Closet/ Drywall	White Homogeneous Non- Fibrous Dry Wall	5% 3%	Cellulose, Fiber Glass	92% Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-471 20082109-67	MPR Custodian Closet/ Drywall	White Homogeneous Non- Fibrous Dry Wall	5% 3%	Cellulose, Fiber Glass	92% Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-472 20082109-68	Admin Breakroom/ Pins and Fissures Acoustic Ceiling Tile	Beige, White Homogeneous Fibrous Ceiling Tiles	40% 30%	Cellulose, Fiber Glass	30% Non-fibrous (Other)	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-473 20082109-69	Admin Breakroom/ Pins and Fissures Acoustic Ceiling Tile	Beige, White Homogeneous Fibrous Ceiling Tiles	40% 30%	Cellulose, Fiber Glass	30% (Other)	No	None Detected
202117-A-474 20082109-70	Admin Breakroom/ Pins and Fissures Acoustic Ceiling Tile	Beige, White Homogeneous Fibrous Ceiling Tiles	40% 30%	Cellulose, Fiber Glass	30% (Other)	No	None Detected
202117-A-475 20082109-71	MPR Kitchen/ Pins and Fissures Acoustic Ceiling Tile	Beige, White Homogeneous Fibrous Ceiling Tiles	40% 30%	Cellulose, Fiber Glass	30% (Other)	No	None Detected
202117-A-476 20082109-72	MPR Kitchen/ Pins and Fissures Acoustic Ceiling Tile	Beige, White Homogeneous Fibrous Ceiling Tiles	40% 30%	Cellulose, Fiber Glass	30% (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-477 20082109-73	MPR Kitchen/ Pins and Fissures Acoustic Ceiling Tile	Beige, White Homogeneous Fibrous Ceiling Tiles	40% 30%	Cellulose, Fiber Glass	30% Non-fibrous (Other)	No None Detected
202117-A-478 20082109-74	Building 6 Room C/ Carpet Glue	Yellow Homogeneous Non- Fibrous Glue			100% Glues, Non- fibrous (Other)	No None Detected
202117-A-479 20082109-75	Building 6 Room A/ Carpet Glue	Yellow Homogeneous Non- Fibrous Glue			100% Glues, Non- fibrous (Other)	No None Detected
202117-A-480 20082109-76	Building 6 Room A/ Carpet Glue	Yellow Homogeneous Non- Fibrous Glue			100% Glues, Non- fibrous (Other)	No None Detected

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CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/21/2020
 Date Received: 8/21/2020
 CAGX Job #: 20082109
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-481 20082109-77	Building 6 Room B/ Cove Base & Mastic	Black Homogeneous Non- Fibrous Base Cove		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-481 20082109-77A	Building 6 Room B/ Cove Base & Mastic	Yellow Homogeneous Non- Fibrous Mastic		100% Glues, Non- fibrous (Other)	No	None Detected
202117-A-482 20082109-78	Building 6 Room B/ Cove Base & Mastic	Black Homogeneous Non- Fibrous Base Cove		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-482 20082109-78A	Building 6 Room B/ Cove Base & Mastic	Yellow Homogeneous Non- Fibrous Mastic		100% Glues, Non- fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-483 20082109-79	Building 6 Room B/ Cove Base & Mastic	Black Homogeneous Non- Fibrous Base Cove		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-483 20082109-79A	Building 6 Room B/ Cove Base & Mastic	Yellow Homogeneous Non- Fibrous Mastic		100% Glues, Non- fibrous (Other)	No	None Detected
202117-A-484 20082109-80	Building 6 Room A/ Cove Base & Mastic	Brown Homogeneous Non- Fibrous Base Cove		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-484 20082109-80A	Building 6 Room A/ Cove Base & Mastic	Yellow Homogeneous Non- Fibrous Mastic		100% Glues, Non- fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-485 20082109-81	Building 6 Room A/ Cove Base & Mastic	Brown Homogeneous Non- Fibrous Base Cove		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-485 20082109-81A	Building 6 Room A/ Cove Base & Mastic	Yellow Homogeneous Non- Fibrous Mastic		100% Glues, Non- fibrous (Other)	No	None Detected
202117-A-486 20082109-82	Building 6 Room A/ Cove Base & Mastic	Brown Homogeneous Non- Fibrous Base Cove		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-486 20082109-82A	Building 6 Room A/ Cove Base & Mastic	Yellow Homogeneous Non- Fibrous Mastic		100% Glues, Non- fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type	
			% Fibrous	% Non-Fibrous			
202117-A-487 20082109-83	Admin/ Drywall & Mastic	White Homogeneous Non- Fibrous Dry Wall	5%	Cellulose	95%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-487 20082109-83A	Admin/ Drywall & Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	98%	Binder, Non- fibrous (Other)	No None Detected
202117-A-488 20082109-84	Admin/ Drywall & Mastic	White Homogeneous Non- Fibrous Dry Wall	5%	Cellulose	95%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-488 20082109-84A	Admin/ Drywall & Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	98%	Binder, Non- fibrous (Other)	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type	
			% Fibrous	% Non-Fibrous			
202117-A-489 20082109-85	Admin/ Drywall & Mastic	White Homogeneous Non- Fibrous Dry Wall	5%	Cellulose	95%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-489 20082109-85A	Admin/ Drywall & Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	98%	Binder, Non- fibrous (Other)	No None Detected
202117-A-490 20082109-86	Admin/ Drywall & Mastic	White Homogeneous Non- Fibrous Dry Wall	5%	Cellulose	95%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-490 20082109-86A	Admin/ Drywall & Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	98%	Binder, Non- fibrous (Other)	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type	
			% Fibrous	% Non-Fibrous			
202117-A-491 20082109-87	Admin/ Drywall & Mastic	White Homogeneous Non- Fibrous Dry Wall	5%	Cellulose	95%	Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-491 20082109-87A	Admin/ Drywall & Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	98%	Binder, Non- fibrous (Other)	No None Detected
202117-A-492 20082109-88	Admin/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	85%	Cellulose	15%	Binder, Non- fibrous (Other), Tar	No None Detected
202117-A-493 20082109-89	Admin/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	85%	Cellulose	15%	Binder, Non- fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Cellulose	% Non-Fibrous		
202117-A-494 20082109-90	Admin/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	85%	Cellulose	15%	Binder, Non- fibrous (Other), Tar	No None Detected
202117-A-495 20082109-91	Kindergarten/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	85%	Cellulose	15%	Binder, Non- fibrous (Other), Tar	No None Detected
202117-A-496 20082109-92	Kindergarten/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	85%	Cellulose	15%	Binder, Non- fibrous (Other), Tar	No None Detected
202117-A-497 20082109-93	Kindergarten/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	85%	Cellulose	15%	Binder, Non- fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-498 20082109-94	Admin/ Vapor Barrier (Exterior)	Black Homogeneous Fibrous Barrier Paper	85%	Cellulose	15%	Binder, Non- fibrous (Other), Tar	No None Detected
202117-A-499 20082109-95	Admin/ Vapor Barrier (Interior)	Black, Brown Homogeneous Fibrous Barrier Paper	90%	Cellulose	10%	Non-fibrous (Other), Tar	No None Detected
202117-A-500 20082109-96	Kindergarten/ Vapor Barrier (Interior)	Black, Brown Homogeneous Fibrous Barrier Paper	90%	Cellulose	10%	Non-fibrous (Other), Tar	No None Detected
202117-A-501 20082109-97	Kindergarten/ Vapor Barrier (Interior)	Black, Brown Homogeneous Fibrous Barrier Paper	90%	Cellulose	10%	Non-fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-502 20082109-98	Kindergarten/ Vapor Barrier (Interior)	Black, Brown Homogeneous Fibrous Barrier Paper	90%	Cellulose	10%	Non-fibrous (Other), Tar	No None Detected
202117-A-503 20082109-99	Admin/ Vapor Barrier (Interior)	Black, Brown Homogeneous Fibrous Barrier Paper	90%	Cellulose	10%	Non-fibrous (Other), Tar	No None Detected
202117-A-504 20082109-100	Admin/ Vapor Barrier (Interior)	Black, Brown Homogeneous Fibrous Barrier Paper	90%	Cellulose	10%	Non-fibrous (Other), Tar	No None Detected
202117-A-505 20082109-101	Admin/ Vapor Barrier (Interior)	Black, Brown Homogeneous Fibrous Barrier Paper	90%	Cellulose	10%	Non-fibrous (Other), Tar	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-506 20082109-102	Portable Restroom/ Gypsum Ceiling Tile	White Homogeneous Non- Fibrous Dry Wall	3%	Cellulose	97% Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-507 20082109-103	Portable Restroom/ Gypsum Ceiling Tile	White Homogeneous Non- Fibrous Dry Wall	3%	Cellulose	97% Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-508 20082109-104	Portable Restroom/ Gypsum Ceiling Tile	White Homogeneous Non- Fibrous Dry Wall	3%	Cellulose	97% Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-509 20082109-105	Portable Restroom/ FRP Panel	White Homogeneous Non- Fibrous FRP Panel	5% 25%	Cellulose, Fiber Glass	70% Binder, Non- fibrous (Other)	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-509 20082109-105A	Portable Restroom/ FRP Panel	Clear Homogeneous Non- Fibrous Mastic			100% Glues, Non-fibrous (Other)	No	None Detected
202117-A-510 20082109-106	Portable Restroom/ FRP Panel	White Homogeneous Non- Fibrous FRP Panel	5% Cellulose, 25% Fiber Glass		70% Binder, Non-fibrous (Other)	No	None Detected
202117-A-510 20082109-106A	Portable Restroom/ FRP Panel	Clear Homogeneous Non- Fibrous Mastic			100% Glues, Non-fibrous (Other)	No	None Detected
202117-A-511 20082109-107	Portable Restroom/ FRP Panel	White Homogeneous Non- Fibrous FRP Panel	5% Cellulose, 25% Fiber Glass		70% Binder, Non-fibrous (Other)	No	None Detected

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CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/21/2020
 Date Received: 8/21/2020
 CAGX Job #: 20082109
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-511 20082109-107A	Portable Restroom/ FRP Panel	Clear Homogeneous Non-Fibrous Mastic			100% Glues, Non-fibrous (Other)	No	None Detected
202117-A-512 20082109-108	Portable Restroom/ FRP Panel	White Homogeneous Non-Fibrous FRP Panel	5% Cellulose, 25% Fiber Glass		70% Binder, Non-fibrous (Other)	No	None Detected
202117-A-512 20082109-108A	Portable Restroom/ FRP Panel	Clear Homogeneous Non-Fibrous Mastic			100% Glues, Non-fibrous (Other)	No	None Detected
202117-A-513 20082109-109	Portable Restroom/ FRP Panel	White Homogeneous Non-Fibrous FRP Panel	5% Cellulose, 25% Fiber Glass		70% Binder, Non-fibrous (Other)	No	None Detected

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 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-513 20082109-109A	Portable Restroom/ FRP Panel	Clear Homogeneous Non- Fibrous Mastic	100%	Glues, Non- fibrous (Other)	No	None Detected
202117-A-514 20082109-110	Portable Restroom/ Cove Base & Mastic	Brown Homogeneous Non- Fibrous Base Cove	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-514 20082109-110A	Portable Restroom/ Cove Base & Mastic	White Homogeneous Non- Fibrous Mastic	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-515 20082109-111	Portable Restroom/ Cove Base & Mastic	Brown Homogeneous Non- Fibrous Base Cove	100%	Binder, Non- fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-515 20082109-111A	Portable Restroom/ Cove Base & Mastic	White Homogeneous Non- Fibrous Mastic		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-516 20082109-112	Portable Restroom/ Cove Base & Mastic	Brown Homogeneous Non- Fibrous Base Cove		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-516 20082109-112A	Portable Restroom/ Cove Base & Mastic	White Homogeneous Non- Fibrous Mastic		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-517 20082109-113	Admin Break Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	3% 2%	Cellulose, Fiber Glass	95% Binder, Gypsum, Non- fibrous (Other)	No None Detected

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 Irvine, CA 92618
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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-517 20082109-113A	Admin Break Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-518 20082109-114	Admin Break Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	3% 2%	Cellulose, Fiber Glass	95% Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-518 20082109-114A	Admin Break Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-519 20082109-115	Admin Break Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	3% 2%	Cellulose, Fiber Glass	95% Binder, Gypsum, Non- fibrous (Other)	No None Detected

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 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-519 20082109-115A	Admin Break Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-520 20082109-116	Admin Break Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	3% 2%	Cellulose, Fiber Glass	95% Binder, Gypsum, Non- fibrous (Other)	No None Detected
202117-A-520 20082109-116A	Admin Break Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-521 20082109-117	Admin Break Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Dry Wall	3% 2%	Cellulose, Fiber Glass	95% Binder, Gypsum, Non- fibrous (Other)	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-521 20082109-117A	Admin Break Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound			100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-522 20082109-118	MPR Attic/ Vibration Collar	White Homogeneous Fibrous Vibration Collar	80%	Synth Fiber	10% Non-fibrous (Other)	Yes	10% Chrysotile
202117-A-523 20082109-119	MPR Attic/ Vibration Collar	White Homogeneous Fibrous Vibration Collar	80%	Synth Fiber	10% Non-fibrous (Other)	Yes	10% Chrysotile
202117-A-524 20082109-120	MPR Attic/ Vibration Collar	White Homogeneous Fibrous Vibration Collar	80%	Synth Fiber	10% Non-fibrous (Other)	Yes	10% Chrysotile

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 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

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Collected Date: 8/21/2020
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 CAGX Job #: 20082109
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type	
			% Fibrous	% Cellulose	% Non-Fibrous			
202117-A-525 20082109-121	MPR Attic/ Thermal System Insulation Pipe Run (TSI)	White Homogeneous Fibrous Insulation Pipe Run	15%	Cellulose	60%	Binder, Non-fibrous (Other)	Yes 15% 10%	Amosite, Crocidolite
202117-A-526 20082109-122	MPR Attic/ Thermal System Insulation Pipe Run (TSI)	White Homogeneous Fibrous Insulation Pipe Run	15%	Cellulose	60%	Binder, Non-fibrous (Other)	Yes 15% 10%	Amosite, Crocidolite
202117-A-527 20082109-123	MPR Attic/ Thermal System Insulation Pipe Run (TSI)	White Homogeneous Fibrous Insulation Pipe Run	15%	Cellulose	60%	Binder, Non-fibrous (Other)	Yes 15% 10%	Amosite, Crocidolite
202117-A-528 20082109-124	MPR Custodian Closet/ Thermal System Insulation Elbow	White Homogeneous Fibrous Insulation Elbow	10%	Cellulose	70%	Binder, Non-fibrous (Other)	Yes 10% 10%	Amosite, Crocidolite

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type	
			% Fibrous	% Cellulose	% Non-Fibrous			
202117-A-529 20082109-125	MPR Custodian Closet/ Thermal System Insulation Elbow	White Homogeneous Fibrous Insulation Elbow	10%	Cellulose	70%	Binder, Non- fibrous (Other)	Yes 10% 10%	Amosite, Crocidolite
202117-A-530 20082109-126	MPR Custodian Closet/ Thermal System Insulation Elbow	White Homogeneous Fibrous Insulation Elbow	10%	Cellulose	70%	Binder, Non- fibrous (Other)	Yes 10% 10%	Amosite, Crocidolite
202117-A-531 20082109-127	MPR Custodian Closet/ Thermal System Insulation Pipe Run (TSI)	White Homogeneous Fibrous Insulation Pipe Run	15%	Cellulose	600%	Binder, Non- fibrous (Other)	Yes 15% 10%	Amosite, Crocidolite
202117-A-532 20082109-128	MPR Custodian Closet/ Thermal System Insulation Pipe Run (TSI)	White Homogeneous Fibrous Insulation Pipe Run	15%	Cellulose	600%	Binder, Non- fibrous (Other)	Yes 15% 10%	Amosite, Crocidolite

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Cellulose	% Non-Fibrous		
202117-A-533 20082109-129	MPR Custodian Closet/ Thermal System Insulation Pipe Run (TSI)	White Homogeneous Fibrous Insulation Pipe Run	15%	Cellulose	600% Binder, Non- fibrous (Other)	Yes 15% 10%	Amosite, Crocidolite
202117-A-534 20082109-130	MPR Attic/ Thermal System Insulation Elbow	White Homogeneous Fibrous Insulation Elbow	10%	Cellulose	75% Binder, Non- fibrous (Other)	Yes 10% 5%	Amosite, Crocidolite
202117-A-535 20082109-131	MPR Attic/ Thermal System Insulation Elbow	White Homogeneous Fibrous Insulation Elbow	10%	Cellulose	75% Binder, Non- fibrous (Other)	Yes 10% 5%	Amosite, Crocidolite
202117-A-536 20082109-132	MPR Attic/ Thermal System Insulation Elbow	White Homogeneous Fibrous Insulation Elbow	10%	Cellulose	75% Binder, Non- fibrous (Other)	Yes 10% 5%	Amosite, Crocidolite

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-537 20082109-133	Admin Attic/ Thermal System Insulation Pipe Run	White Homogeneous Fibrous Insulation Pipe Run	15%	Cellulose	600% Binder, Non- fibrous (Other)	Yes 15% 10%	Amosite, Crocidolite
202117-A-538 20082109-134	Admin Attic/ Thermal System Insulation Pipe Run	White Homogeneous Fibrous Insulation Pipe Run	15%	Cellulose	600% Binder, Non- fibrous (Other)	Yes 15% 10%	Amosite, Crocidolite
202117-A-539 20082109-135	Admin Attic/ Thermal System Insulation Pipe Run	White Homogeneous Fibrous Insulation Pipe Run	15%	Cellulose	600% Binder, Non- fibrous (Other)	Yes 15% 10%	Amosite, Crocidolite
202117-A-540 20082109-136	Admin Attic/ Thermal System Insulation Elbow	White Homogeneous Fibrous Insulation Elbow	10%	Cellulose	75% Binder, Non- fibrous (Other)	Yes 10% 5%	Amosite, Crocidolite

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CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

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 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/21/2020
 Date Received: 8/21/2020
 CAGX Job #: 20082109
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-541 20082109-137	Admin Attic/ Thermal System Insulation Elbow	White Homogeneous Fibrous Insulation Elbow	10%	Cellulose	75%	Binder, Non- fibrous (Other)	Yes 10% 5% Amosite, Crocidolite
202117-A-542 20082109-138	Admin Attic/ Thermal System Insulation Elbow	White Homogeneous Fibrous Insulation Elbow	10%	Cellulose	75%	Binder, Non- fibrous (Other)	Yes 10% 5% Amosite, Crocidolite
202117-A-543 20082109-139	Exterior/ Concrete	Grey Homogeneous Non- Fibrous Concrete			100%	Cement, Non- fibrous (Other), Quartz	No None Detected
202117-A-544 20082109-140	Exterior/ Concrete	Grey Homogeneous Non- Fibrous Concrete			100%	Cement, Non- fibrous (Other), Quartz	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-545 20082109-141	Exterior/ Concrete	Grey Homogeneous Non- Fibrous Concrete		100% Cement, Non- fibrous (Other), Quartz	No	None Detected
202117-A-546 20082109-142	Exterior/ Concrete	Grey Homogeneous Non- Fibrous Concrete		100% Cement, Non- fibrous (Other), Quartz	No	None Detected
202117-A-547 20082109-143	Exterior/ Concrete	Grey Homogeneous Non- Fibrous Concrete		100% Cement, Non- fibrous (Other), Quartz	No	None Detected
202117-A-548 20082109-144	Exterior/ Concrete	Grey Homogeneous Non- Fibrous Concrete		100% Cement, Non- fibrous (Other), Quartz	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-549 20082109-145	Exterior/ Concrete	Grey Homogeneous Non- Fibrous Concrete		100% Cement, Non- fibrous (Other), Quartz	No	None Detected
202117-A-550 20082109-146	Kindergarten/ Carpet Glue over Resilient Flooring	White Homogeneous Non- Fibrous Mastic		100% Binder, Glues, Non-fibrous (Other)	No	None Detected
202117-A-550 20082109- 146A	Kindergarten/ Carpet Glue over Resilient Flooring	Tan Homogeneous Non- Fibrous Floor Tile		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-550 20082109- 146B	Kindergarten/ Carpet Glue over Resilient Flooring	Black Homogeneous Non- Fibrous Mastic		98% Non-fibrous (Other), Tar	Yes	2% Chrysotile

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 192 Technology Dr Suite J
 Irvine, CA 92618
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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-551 20082109-147	Kindergarten/ Carpet Glue over Resilient Flooring	White Homogeneous Non- Fibrous Mastic		100% Binder, Glues, Non-fibrous (Other)	No	None Detected
202117-A-551 20082109- 147A	Kindergarten/ Carpet Glue over Resilient Flooring	Tan Homogeneous Non- Fibrous Floor Tile		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-551 20082109- 147B	Kindergarten/ Carpet Glue over Resilient Flooring	Black Homogeneous Non- Fibrous Mastic		98% Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-552 20082109-148	Kindergarten/ Carpet Glue over Resilient Flooring	White Homogeneous Non- Fibrous Mastic		100% Binder, Glues, Non-fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-552 20082109-148A	Kindergarten/ Carpet Glue over Resilient Flooring	Black Homogeneous Non- Fibrous Mastic		98% Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-552 20082109-148B	Kindergarten/ Carpet Glue over Resilient Flooring	Tan Homogeneous Non- Fibrous Floor Tile		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-553 20082109-149	Kindergarten/ Carpet Glue over Resilient Flooring	Tan Homogeneous Non- Fibrous Floor Tile		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-553 20082109-149A	Kindergarten/ Carpet Glue over Resilient Flooring	Black Homogeneous Non- Fibrous Mastic	2% Cellulose	98% Binder, Non- fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-554 20082109-150	Kindergarten/ Carpet Glue over Resilient Flooring	Tan Homogeneous Non- Fibrous Floor Tile			100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-554 20082109- 150A	Kindergarten/ Carpet Glue over Resilient Flooring	Black Homogeneous Non- Fibrous Mastic	2%	Cellulose	98% Binder, Non- fibrous (Other)	No	None Detected
202117-A-555 20082109-151	Kindergarten/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile			98% Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-555 20082109- 151A	Kindergarten/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	2%	Cellulose	96% Non-fibrous (Other), Tar	Yes 2%	Chrysotile

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 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-556 20082109-152	Kindergarten/ Resilient Flooring & Mastic	Beige Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-556 20082109- 152A	Kindergarten/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-557 20082109-153	Kindergarten/ Resilient Flooring & Mastic	Beige Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-557 20082109- 153A	Kindergarten/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-558 20082109-154	Kindergarten/ Resilient Flooring & Mastic	Beige Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-558 20082109- 154A	Kindergarten/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-559 20082109-155	Kindergarten/ Resilient Flooring & Mastic	Beige Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-559 20082109- 155A	Kindergarten/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-560 20082109-156	Kindergarten/ Resilient Flooring & Mastic	Beige Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-560 20082109- 156A	Kindergarten/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-561 20082109-157	Kindergarten/ Resilient Flooring & Mastic	Beige Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-561 20082109- 157A	Kindergarten/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-562 20082109-158	Kindergarten/ Resilient Flooring & Mastic	Beige Homogeneous Non- Fibrous Floor Tile		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-562 20082109- 158A	Kindergarten/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-563 20082109-159	Kindergarten/ Resilient Flooring & Mastic	Beige Homogeneous Non- Fibrous Floor Tile		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-563 20082109- 159A	Kindergarten/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-564 20082109-160	Kindergarten/ Resilient Flooring & Mastic	Beige Homogeneous Non- Fibrous Floor Tile		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-564 20082109- 160A	Kindergarten/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic		97% Non-fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-565 20082109-161	Kindergarten/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-565 20082109- 161A	Kindergarten/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic		97% Non-fibrous (Other), Tar	Yes 3%	Chrysotile

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CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/21/2020
 Date Received: 8/21/2020
 CAGX Job #: 20082109
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-566 20082109-162	Kindergarten/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-566 20082109- 162A	Kindergarten/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-567 20082109-163	Kindergarten/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-567 20082109- 163A	Kindergarten/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile

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 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

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 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-568 20082109-164	Kindergarten/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-568 20082109- 164A	Kindergarten/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-569 20082109-165	Building 1 Room 103/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-569 20082109- 165A	Building 1 Room 103/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-570 20082109-166	Building 1 Room 103/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-570 20082109- 166A	Building 1 Room 103/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-571 20082109-167	Building 1 Room 103/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-571 20082109- 167A	Building 1 Room 103/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-572 20082109-168	Building 1 Room 104/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-572 20082109- 168A	Building 1 Room 104/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-573 20082109-169	Building 1 Room 104/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-573 20082109- 169A	Building 1 Room 104/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-574 20082109-170	Building 1 Room 104/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-574 20082109-170A	Building 1 Room 104/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-575 20082109-171	Building 1 Room 104/ Resilient Flooring & Mastic	Grey Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-575 20082109-171A	Building 1 Room 104/ Resilient Flooring & Mastic	Black, Yellow Homogeneous Non- Fibrous Mastic	98%	Glues, Non- fibrous (Other), Tar	Yes 2%	Chrysotile

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 Irvine, CA 92618
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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-576 20082109-172	Building 1 Room 104/ Resilient Flooring & Mastic	Grey Homogeneous Non- Fibrous Floor Tile		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-576 20082109-172A	Building 1 Room 104/ Resilient Flooring & Mastic	Black, Yellow Homogeneous Non- Fibrous Mastic	98%	Glues, Non- fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-577 20082109-173	Building 1 Room 103/ Resilient Flooring & Mastic	Grey Homogeneous Non- Fibrous Floor Tile		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-577 20082109-173A	Building 1 Room 103/ Resilient Flooring & Mastic	Black, Yellow Homogeneous Non- Fibrous Mastic	98%	Glues, Non- fibrous (Other), Tar	Yes 2%	Chrysotile

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CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-578 20082109-174	Building 1 Room 103/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-578 20082109- 174A	Building 1 Room 103/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-579 20082109-175	Building 1 Room 104/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-579 20082109- 175A	Building 1 Room 104/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-580 20082109-176	Building 1 Room 103/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-580 20082109- 176A	Building 1 Room 103/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-581 20082109-177	Building 1 Room 102/ Resilient Flooring & Mastic	Green Homogeneous Non- Fibrous Floor Tile	99%	Binder, Non- fibrous (Other)	Yes <1%	Chrysotile
202117-A-581 20082109- 177A	Building 1 Room 102/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Mastic	2%	Cellulose 98% Binder, Non- fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-582 20082109-178	Building 1 Room 103/ Resilient Flooring & Mastic	Green Homogeneous Non- Fibrous Floor Tile	99%	Binder, Non- fibrous (Other)	Yes	<1% Chrysotile
202117-A-582 20082109-178A	Building 1 Room 103/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Mastic	2%	Cellulose	98%	Binder, Non- fibrous (Other) None Detected
202117-A-583 20082109-179	Building 1 Room 103/ Resilient Flooring & Mastic	Green Homogeneous Non- Fibrous Floor Tile	99%	Binder, Non- fibrous (Other)	Yes	<1% Chrysotile
202117-A-583 20082109-179A	Building 1 Room 103/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Mastic	2%	Cellulose	98%	Binder, Non- fibrous (Other) None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-584 20082109-180	Building 1 Room 103/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-584 20082109- 180A	Building 1 Room 103/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-585 20082109-181	Building 1 Room 103/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-585 20082109- 181A	Building 1 Room 103/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile

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 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-586 20082109-182	Building 1 Room 102/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-586 20082109- 182A	Building 1 Room 102/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-587 20082109-183	Building 1 Room 102/ Resilient Flooring & Mastic	Beige Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-587 20082109- 183A	Building 1 Room 102/ Resilient Flooring & Mastic	Yellow Homogeneous Non- Fibrous Mastic	2% 2%	Cellulose, Synth Fiber	96% Glues, Non- fibrous (Other)	No None Detected

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CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/21/2020
 Date Received: 8/21/2020
 CAGX Job #: 20082109
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous		% Non-Fibrous		
202117-A-588 20082109-184	Building 1 Room 102/ Resilient Flooring & Mastic	Beige Homogeneous Non- Fibrous Floor Tile			100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-588 20082109- 184A	Building 1 Room 102/ Resilient Flooring & Mastic	Yellow Homogeneous Non- Fibrous Mastic	2% 2%	Cellulose, Synth Fiber	96% Glues, Non- fibrous (Other)	No	None Detected
202117-A-589 20082109-185	Building 1 Room 102/ Resilient Flooring & Mastic	Beige Homogeneous Non- Fibrous Floor Tile			100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-589 20082109- 185A	Building 1 Room 102/ Resilient Flooring & Mastic	Yellow Homogeneous Non- Fibrous Mastic	2% 2%	Cellulose, Synth Fiber	96% Glues, Non- fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-589 20082109-185B	Building 1 Room 102/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	3% 2%	Cellulose, Synth Fiber	93% Glues, Non- fibrous (Other)	Yes 2% Chrysotile
202117-A-590 20082109-186	Building 1 Room 102/ Resilient Flooring & Mastic	White Homogeneous Non- Fibrous Floor Tile			100% Binder, Non- fibrous (Other)	No None Detected
202117-A-590 20082109-186A	Building 1 Room 102/ Resilient Flooring & Mastic	Black, Yellow Homogeneous Non- Fibrous Mastic			97% Glues, Non- fibrous (Other), Tar	Yes 3% Chrysotile
202117-A-591 20082109-187	Building 1 Room 102/ Resilient Flooring & Mastic	White Homogeneous Non- Fibrous Floor Tile			100% Binder, Non- fibrous (Other)	No None Detected

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 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-591 20082109-187A	Building 1 Room 102/ Resilient Flooring & Mastic	Black, Yellow Homogeneous Non- Fibrous Mastic	97%	Glues, Non- fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-592 20082109-188	Building 1 Room 102/ Resilient Flooring & Mastic	White Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-592 20082109-188A	Building 1 Room 102/ Resilient Flooring & Mastic	Black, Yellow Homogeneous Non- Fibrous Mastic	97%	Glues, Non- fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-593 20082109-189	Building 1 Room 103/ Resilient Flooring & Mastic	Beige Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected

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 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-593 20082109-189A	Building 1 Room 103/ Resilient Flooring & Mastic	Black, Yellow Homogeneous Non- Fibrous Mastic	2% 2%	Cellulose, Synth Fiber	96% Non-fibrous (Other), Tar	No	None Detected
202117-A-594 20082109-190	Building 1 Room 103/ Resilient Flooring & Mastic	Beige Homogeneous Non- Fibrous Floor Tile			100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-594 20082109-190A	Building 1 Room 103/ Resilient Flooring & Mastic	Black, Yellow Homogeneous Non- Fibrous Mastic	2% 2%	Cellulose, Synth Fiber	96% Non-fibrous (Other), Tar	No	None Detected
202117-A-595 20082109-191	Building 1 Room 103/ Resilient Flooring & Mastic	Beige Homogeneous Non- Fibrous Floor Tile			100% Binder, Non- fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-595 20082109-191A	Building 1 Room 103/ Resilient Flooring & Mastic	Black, Yellow Homogeneous Non- Fibrous Mastic	2% 2%	Cellulose, Synth Fiber	95% Non-fibrous (Other), Tar	Yes <1% Chrysotile
202117-A-596 20082109-192	Building 5 Room 501/ Cove Base & Mastic	Black Homogeneous Non- Fibrous Base Cove			100% Non-fibrous (Other)	No None Detected
202117-A-596 20082109-192A	Building 5 Room 501/ Cove Base & Mastic	Beige, White Homogeneous Non- Fibrous Mastic			100% Binder, Non- fibrous (Other)	No None Detected
202117-A-597 20082109-193	Building 5 Room 502/ Cove Base & Mastic	Black Homogeneous Non- Fibrous Base Cove			100% Non-fibrous (Other)	No None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-597 20082109-193A	Building 5 Room 502/ Cove Base & Mastic	Beige, White Homogeneous Non- Fibrous Mastic		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-598 20082109-194	Building 5 Room 501/ Cove Base & Mastic	Black Homogeneous Non- Fibrous Base Cove		100% Non-fibrous (Other)	No	None Detected
202117-A-598 20082109-194A	Building 5 Room 501/ Cove Base & Mastic	Beige, White Homogeneous Non- Fibrous Mastic		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-599 20082109-195	Building 5 Room 501/ Resilient Flooring & Mastic	Grey Homogeneous Non- Fibrous Floor Tile		100% Binder, Non- fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-599 20082109-195A	Building 5 Room 501/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	2% 2%	Cellulose, Synth Fiber	94% Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-600 20082109-196	Building 5 Room 501/ Resilient Flooring & Mastic	Grey Homogeneous Non- Fibrous Floor Tile			100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-600 20082109-196A	Building 5 Room 501/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	2% 2%	Cellulose, Synth Fiber	94% Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-601 20082109-197	Building 5 Room 501/ Resilient Flooring & Mastic	Grey Homogeneous Non- Fibrous Floor Tile			98% Binder, Non- fibrous (Other)	Yes 2%	Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-601 20082109-197A	Building 5 Room 501/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	2% 2%	Cellulose, Synth Fiber	94% Non-fibrous (Other), Tar	Yes 2% Chrysotile
202117-A-602 20082109-198	Building 5 Room 501/ Resilient Flooring & Mastic	Grey Homogeneous Non- Fibrous Floor Tile			98% Binder, Non- fibrous (Other)	Yes 2% Chrysotile
202117-A-602 20082109-198A	Building 5 Room 501/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	2% 2%	Cellulose, Synth Fiber	94% Non-fibrous (Other), Tar	Yes 2% Chrysotile
202117-A-603 20082109-199	Building 5 Room 501/ Resilient Flooring & Mastic	Grey Homogeneous Non- Fibrous Floor Tile			98% Binder, Non- fibrous (Other)	Yes 2% Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-603 20082109-199A	Building 5 Room 501/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	2% 2%	Cellulose, Synth Fiber	94% Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-604 20082109-200	Building 5 Room 501/ Resilient Flooring & Mastic	Grey Homogeneous Non- Fibrous Floor Tile			98% Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-604 20082109-200A	Building 5 Room 501/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	2% 2%	Cellulose, Synth Fiber	94% Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-605 20082109-201	Building 5 Room 502/ Carpet Glue over Resilient Flooring	Grey Homogeneous Non- Fibrous Floor Tile			100% Binder, Non- fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-605 20082109-201A	Building 5 Room 502/ Carpet Glue over Resilient Flooring	Black Homogeneous Non- Fibrous Mastic	2% 2%	Cellulose, Synth Fiber	94% Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-606 20082109-202	Building 5 Room 502/ Carpet Glue over Resilient Flooring	Grey Homogeneous Non- Fibrous Floor Tile			100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-606 20082109-202A	Building 5 Room 502/ Carpet Glue over Resilient Flooring	Black Homogeneous Non- Fibrous Mastic	2% 2%	Cellulose, Synth Fiber	94% Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-607 20082109-203	Building 5 Room 502/ Carpet Glue over Resilient Flooring	Tan Homogeneous Non- Fibrous Floor Tile			98% Binder, Non- fibrous (Other)	Yes 2%	Chrysotile

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CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/21/2020
 Date Received: 8/21/2020
 CAGX Job #: 20082109
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-607 20082109-203A	Building 5 Room 502/ Carpet Glue over Resilient Flooring	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-608 20082109-204	Building 5 Room 502/ Carpet Glue over Resilient Flooring	Tan Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-608 20082109-204A	Building 5 Room 502/ Carpet Glue over Resilient Flooring	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-609 20082109-205	Building 5 Room 503/ Carpet Glue over Resilient Flooring	Tan Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-609 20082109-205A	Building 5 Room 503/ Carpet Glue over Resilient Flooring	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-610 20082109-206	Building 5 Room 503/ Carpet Glue over Resilient Flooring	Tan Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-610 20082109-206A	Building 5 Room 503/ Carpet Glue over Resilient Flooring	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-611 20082109-207	Building 5 Room 503/ Carpet Glue over Resilient Flooring	Tan Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-611 20082109-207A	Building 5 Room 503/ Carpet Glue over Resilient Flooring	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-612 20082109-208	Building 2 Room 202/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-612 20082109-208A	Building 2 Room 202/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-613 20082109-209	Building 2 Room 202/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-613 20082109-209A	Building 2 Room 202/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-614 20082109-210	Building 2 Room 202/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-614 20082109-210A	Building 2 Room 202/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-615 20082109-211	Building 2 Room 202/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-615 20082109-211A	Building 2 Room 202/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-616 20082109-212	Building 2 Room 202/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-616 20082109-212A	Building 2 Room 202/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-617 20082109-213	Building 2 Room 202/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-617 20082109-213A	Building 2 Room 202/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-618 20082109-214	Building 2 Room 202/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-618 20082109-214A	Building 2 Room 202/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-619 20082109-215	Building 2 Room 202/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-619 20082109-215A	Building 2 Room 202/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-620 20082109-216	Building 2 Room 202/ Resilient Flooring & Mastic	Grey Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-620 20082109-216A	Building 2 Room 202/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-621 20082109-217	Building 2 Room 202/ Resilient Flooring & Mastic	Grey Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-621 20082109-217A	Building 2 Room 202/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-622 20082109-218	Building 2 Room 202/ Resilient Flooring & Mastic	Grey Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-622 20082109-218A	Building 2 Room 202/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-623 20082109-219	Building 2 Room 202/ Resilient Flooring & Mastic	White Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-623 20082109-219A	Building 2 Room 202/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-624 20082109-220	Building 2 Room 202/ Resilient Flooring & Mastic	White Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-624 20082109-220A	Building 2 Room 202/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-625 20082109-221	Building 2 Room 202/ Resilient Flooring & Mastic	White Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-625 20082109-221A	Building 2 Room 202/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-626 20082109-222	Building 2 Room 202/ Resilient Flooring & Mastic	Grey Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-626 20082109-222A	Building 2 Room 202/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-627 20082109-223	Building 2 Room 202/ Resilient Flooring & Mastic	Grey Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-627 20082109-223A	Building 2 Room 202/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-628 20082109-224	Building 2 Room 202/ Resilient Flooring & Mastic	Grey Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-628 20082109-224A	Building 2 Room 202/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-629 20082109-225	Building 2 Room 202/ Resilient Flooring & Mastic	White Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected

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CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/21/2020
 Date Received: 8/21/2020
 CAGX Job #: 20082109
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-629 20082109-225A	Building 2 Room 202/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-630 20082109-226	Building 2 Room 202/ Resilient Flooring & Mastic	White Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-630 20082109-226A	Building 2 Room 202/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-631 20082109-227	Building 2 Room 202/ Resilient Flooring & Mastic	White Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected

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 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-631 20082109-227A	Building 2 Room 202/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-632 20082109-228	Building 4 Room 401/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-632 20082109-228A	Building 4 Room 401/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-633 20082109-229	Building 4 Room 401/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-633 20082109-229A	Building 4 Room 401/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-634 20082109-230	Building 4 Room 401/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-634 20082109-230A	Building 4 Room 401/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-635 20082109-231	Building 4 Room 402/ Resilient Flooring & Mastic	Grey Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-635 20082109-231A	Building 4 Room 402/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	2%	Cellulose	96%	Non-fibrous (Other), Tar	Yes 2% Chrysotile
202117-A-636 20082109-232	Building 4 Room 402/ Resilient Flooring & Mastic	Grey Homogeneous Non- Fibrous Floor Tile			98%	Binder, Non- fibrous (Other)	Yes 2% Chrysotile
202117-A-636 20082109-232A	Building 4 Room 402/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	2%	Cellulose	96%	Non-fibrous (Other), Tar	Yes 2% Chrysotile
202117-A-637 20082109-233	Building 4 Room 402/ Resilient Flooring & Mastic	Grey Homogeneous Non- Fibrous Floor Tile			98%	Binder, Non- fibrous (Other)	Yes 2% Chrysotile

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 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-637 20082109-233A	Building 4 Room 402/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	2% Cellulose	96% Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-638 20082109-234	Building 4 Room 403/ Resilient Flooring & Mastic	White Homogeneous Non- Fibrous Floor Tile		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-638 20082109-234A	Building 4 Room 403/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic		98% Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-639 20082109-235	Building 4 Room 403/ Resilient Flooring & Mastic	White Homogeneous Non- Fibrous Floor Tile		100% Binder, Non- fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-639 20082109-235A	Building 4 Room 403/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-640 20082109-236	Building 4 Room 403/ Resilient Flooring & Mastic	White Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-640 20082109-236A	Building 4 Room 403/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-641 20082109-237	Building 4 Room 403/ Resilient Flooring & Mastic	Beige Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected

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CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

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Collected Date: 8/21/2020
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 CAGX Job #: 20082109
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-641 20082109-237A	Building 4 Room 403/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	2% 2%	Cellulose, Synth Fiber	94% Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-642 20082109-238	Building 4 Room 403/ Resilient Flooring & Mastic	Beige Homogeneous Non- Fibrous Floor Tile			100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-642 20082109-238A	Building 4 Room 403/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	2% 2%	Cellulose, Synth Fiber	94% Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-643 20082109-239	Building 4 Room 403/ Resilient Flooring & Mastic	Beige Homogeneous Non- Fibrous Floor Tile			100% Binder, Non- fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-643 20082109-239A	Building 4 Room 403/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	2% 2%	Cellulose, Synth Fiber	94% Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-644 20082109-240	Building 4 Room 401/ Cove Base & Mastic	Black Homogeneous Non- Fibrous Base Cove			100% Non-fibrous (Other)	No	None Detected
202117-A-644 20082109-240A	Building 4 Room 401/ Cove Base & Mastic	Beige Homogeneous Non- Fibrous Mastic	5%	Cellulose	95% Binder, Non- fibrous (Other)	No	None Detected
202117-A-645 20082109-241	Building 4 Room 401/ Cove Base & Mastic	Black Homogeneous Non- Fibrous Base Cove			100% Non-fibrous (Other)	No	None Detected

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-645 20082109-241A	Building 4 Room 401/ Cove Base & Mastic	Beige Homogeneous Non- Fibrous Mastic		100% Binder, Non- fibrous (Other)	No	None Detected
202117-A-646 20082109-242	Building 4 Room 401/ Cove Base & Mastic	Black Homogeneous Non- Fibrous Base Cove		100% Non-fibrous (Other)	No	None Detected
202117-A-646 20082109-242A	Building 4 Room 401/ Cove Base & Mastic	Beige Homogeneous Non- Fibrous Mastic	5% Cellulose	95% Binder, Non- fibrous (Other)	No	None Detected
202117-A-647 20082109-243	Building 4 Room 401/ Resilient Flooring & Mastic	Grey Homogeneous Non- Fibrous Floor Tile		98% Binder, Non- fibrous (Other)	Yes	2% Chrysotile

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-647 20082109-243A	Building 4 Room 401/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Glues, Non- fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-648 20082109-244	Building 4 Room 401/ Resilient Flooring & Mastic	Grey Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-648 20082109-244A	Building 4 Room 401/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Glues, Non- fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-649 20082109-245	Building 4 Room 401/ Resilient Flooring & Mastic	Grey Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile

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 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-649 20082109-245A	Building 4 Room 401/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Glues, Non- fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-650 20082109-246	Building 4 Room 401/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-650 20082109-246A	Building 4 Room 401/ Resilient Flooring & Mastic	Black, Yellow Homogeneous Non- Fibrous Mastic	98%	Glues, Non- fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-651 20082109-247	Building 4 Room 401/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected

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 Samples analyzed by CAGX Lab, Irvine CA, NVLAP Lab Code 600229-0



CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/21/2020
 Date Received: 8/21/2020
 CAGX Job #: 20082109
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-651 20082109-247A	Building 4 Room 401/ Resilient Flooring & Mastic	Black, Yellow Homogeneous Non- Fibrous Mastic	98%	Glues, Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-652 20082109-248	Building 4 Room 401/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non-fibrous (Other)	No	None Detected
202117-A-652 20082109-248A	Building 4 Room 401/ Resilient Flooring & Mastic	Black, Yellow Homogeneous Non- Fibrous Mastic	98%	Glues, Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-653 20082109-249	Building 4 Room 403/ Resilient Flooring & Mastic	White Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non-fibrous (Other)	No	None Detected

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Collected Date: 8/21/2020
 Date Received: 8/21/2020
 CAGX Job #: 20082109
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-653 20082109-249A	Building 4 Room 403/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-654 20082109-250	Building 4 Room 403/ Resilient Flooring & Mastic	White Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-654 20082109-250A	Building 4 Room 403/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-655 20082109-251	Building 4 Room 403/ Resilient Flooring & Mastic	White Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected

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 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/21/2020
 Date Received: 8/21/2020
 CAGX Job #: 20082109
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-655 20082109-251A	Building 4 Room 403/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-656 20082109-252	Building 4 Room 402/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-656 20082109-252A	Building 4 Room 402/ Resilient Flooring & Mastic	Brown Homogeneous Non- Fibrous Mastic	3%	Cellulose 97% Glues, Non- fibrous (Other)	No	None Detected
202117-A-657 20082109-253	Building 4 Room 402/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected

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Collected Date: 8/21/2020
 Date Received: 8/21/2020
 CAGX Job #: 20082109
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-657 20082109-253A	Building 4 Room 402/ Resilient Flooring & Mastic	Brown Homogeneous Non- Fibrous Mastic	3%	Cellulose	97%	Glues, Non-fibrous (Other)	No None Detected
202117-A-658 20082109-254	Building 4 Room 402/ Resilient Flooring & Mastic	Tan Homogeneous Non- Fibrous Floor Tile			100%	Binder, Non-fibrous (Other)	No None Detected
202117-A-658 20082109-254A	Building 4 Room 402/ Resilient Flooring & Mastic	Brown Homogeneous Non- Fibrous Mastic	3%	Cellulose	97%	Glues, Non-fibrous (Other)	No None Detected
202117-A-659 20082109-255	Building 4 Room 401/ Resilient Flooring & Mastic	Off White Homogeneous Non- Fibrous Floor Tile			100%	Binder, Non-fibrous (Other)	No None Detected

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Collected Date: 8/21/2020
 Date Received: 8/21/2020
 CAGX Job #: 20082109
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-659 20082109-255A	Building 4 Room 401/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-660 20082109-256	Building 4 Room 401/ Resilient Flooring & Mastic	Off White Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected
202117-A-660 20082109-256A	Building 4 Room 401/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-661 20082109-257	Building 4 Room 402/ Resilient Flooring & Mastic	Off White Homogeneous Non- Fibrous Floor Tile	100%	Binder, Non- fibrous (Other)	No	None Detected

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Collected Date: 8/21/2020
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 CAGX Job #: 20082109
 Project Number: Atech 202117

PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-661 20082109-257A	Building 4 Room 402/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	98%	Non-fibrous (Other), Tar	Yes 2%	Chrysotile
202117-A-662 20082109-258	Building 4 Room 402/ Resilient Flooring & Mastic	Grey Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-662 20082109-258A	Building 4 Room 402/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-663 20082109-259	Building 4 Room 402/ Resilient Flooring & Mastic	Grey Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile

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Collected Date: 8/21/2020
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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-663 20082109-259A	Building 4 Room 402/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-664 20082109-260	Building 4 Room 402/ Resilient Flooring & Mastic	Grey Homogeneous Non- Fibrous Floor Tile	98%	Binder, Non- fibrous (Other)	Yes 2%	Chrysotile
202117-A-664 20082109-260A	Building 4 Room 402/ Resilient Flooring & Mastic	Black Homogeneous Non- Fibrous Mastic	97%	Non-fibrous (Other), Tar	Yes 3%	Chrysotile
202117-A-665 20082109-261	MPR Attic/ Debris	White Homogeneous Non- Fibrous Debris	5%	Cellulose 84% Binder, Non- fibrous (Other)	Yes 8% 3%	Amosite, Crocidolite

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PLM Bulk Asbestos Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type	
			% Fibrous	% Non-Fibrous				
202117-A-666 20082109-262	MPR Attic/ Debris	White Homogeneous Non- Fibrous Debris	5%	Cellulose	84%	Binder, Non- fibrous (Other)	Yes 8% 3%	Amosite, Crocidolite
202117-A-667 20082109-263	MPR Attic/ Debris	White Homogeneous Non- Fibrous Debris	5%	Cellulose	84%	Binder, Non- fibrous (Other)	Yes 7% 4%	Amosite, Crocidolite

Total Number of Samples: 263
 Total Number of Layers: 454

Approved Signatory: 

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 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementary School
 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/18/2020
 Date Received: 8/27/2020
 CAGX Job #: 20082703
 Project Number: Atech 202117(1903)-

PLM Bulk Asbestos 1000 Point Count Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0229 20082703-01	Building 1, Boys' Restroom/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non- fibrous (Other)	Yes 0.4% Actinolite
202117-A-0230 20082703-02	Building 1, Boys' Restroom/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non- fibrous (Other)	Yes 0.6% Actinolite
202117-A-0231 20082703-03	Building 1, Boys' Restroom/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non- fibrous (Other)	Yes 0.4% Actinolite
202117-A-0232 20082703-04	Building 1, Boys' Restroom/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non- fibrous (Other)	Yes 0.7% Actinolite

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 Project Name: Lowell Joint School District Macy Elementary School
 Project Location: 2301 Russell Street, La Habra, CA 90631

Collected Date: 8/18/2020
 Date Received: 8/27/2020
 CAGX Job #: 20082703
 Project Number: Atech 202117(1903)-

PLM Bulk Asbestos 1000 Point Count Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0233 20082703-05	Building 1, Room 102, Walls/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non-fibrous (Other)	Yes 0.6% Actinolite
202117-A-0234 20082703-06	Building 2, Boys' Restroom/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non-fibrous (Other)	Yes 0.8% Actinolite
202117-A-0235 20082703-07	Building 2, Boys' Restroom/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non-fibrous (Other)	Yes 0.6% Actinolite
202117-A-0236 20082703-08	Building 2, Room 203, Walls/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non-fibrous (Other)	Yes 0.6% Actinolite

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 Irvine, CA 92618
 Phone: (949)333-3276

Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementary School
 Project Location: 2301 Russell Street, La Habra, CA 90631

Collected Date: 8/18/2020
 Date Received: 8/27/2020
 CAGX Job #: 20082703
 Project Number: Atech 202117(1903)-

PLM Bulk Asbestos 1000 Point Count Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0237 20082703-09	Building 2, Room 203, Walls/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non-Fibrous Mastic	2%	Cellulose 97%	Binder, Non-fibrous (Other)	Yes	0.7% Actinolite
202117-A-0238 20082703-10	Building 2, Room 203, Girls' Restroom / 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non-Fibrous Mastic	2%	Cellulose 97%	Binder, Non-fibrous (Other)	Yes	0.8% Actinolite
202117-A-0239 20082703-11	Building 3, Girls' Restroom/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non-Fibrous Mastic	2%	Cellulose 97%	Binder, Non-fibrous (Other)	Yes	0.7% Actinolite
202117-A-0240 20082703-12	Building 3, Girls' Restroom/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non-Fibrous Mastic	2%	Cellulose 97%	Binder, Non-fibrous (Other)	Yes	0.2% Actinolite

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 Samples analyzed by CAGX Lab, Irvine CA, NVLAP Lab Code 600229-0



CAGX Laboratory
 192 Technology Dr Suite J
 Irvine, CA 92618
 Phone: (949)333-3276

Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementary School
 Project Location: 2301 Russell Street, La Habra, CA 90631

Collected Date: 8/18/2020
 Date Received: 8/27/2020
 CAGX Job #: 20082703
 Project Number: Atech 202117(1903)-

PLM Bulk Asbestos 1000 Point Count Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0241 20082703-13	Building 3, Girls' Restroom/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non- fibrous (Other)	Yes 0.9% Actinolite
202117-A-0242 20082703-14	Building 3, 301/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non- fibrous (Other)	Yes 0.6% Actinolite
202117-A-0243 20082703-15	Building 3, 301/ 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non- fibrous (Other)	Yes 0.5% Actinolite
202117-A-0244 20082703-16	Building 4, Boys' Restroom / 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non- Fibrous Mastic	2%	Cellulose	97%	Binder, Non- fibrous (Other)	Yes 0.3% Actinolite

The analysis report was performed and analyzed in accordance with the procedure outlined in the US Federal Register 40 CFR Appendix E to Subpart E of Part 763 - Interim Method of the Determination of Asbestos in Bulk Insulation Samples; EPA-600/R-93/116 and EPA-600/M4-82-020. The limit of detection for this analytical method is one percent. CAGX bears no responsibility for sample collection activities or analytical method limitations. Non-friable organically bound materials present a problem matrix and therefore CAGX recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting. CAGX Lab and its personnel shall not be liable for any misinformation provided to us by the client regarding these samples or for any misuse or interpretation of information supplied by us. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. This report relates only to samples submitted and analyzed. This report may not be reproduced except in full, without the written approval by CAGX laboratory.
 Samples analyzed by CAGX Lab, Irvine CA, NVLAP Lab Code 600229-0



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Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementary School
 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/18/2020
 Date Received: 8/27/2020
 CAGX Job #: 20082703
 Project Number: Atech 202117(1903)-

PLM Bulk Asbestos 1000 Point Count Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0253	Building 5, Girl's Restroom / 12" x 12" Ceiling Tile with Hockey Puck Mastic	Brown Homogeneous Non-Fibrous Mastic	2%	Cellulose	97%	Binder, Non-fibrous (Other)	Yes 0.8% Actinolite

Total Number of Samples: 25
 Total Number of Layers: 25

Approved Signatory: 

The analysis report was performed and analyzed in accordance with the procedure outlined in the US Federal Register 40 CFR Appendix E to Subpart E of Part 763 - Interim Method of the Determination of Asbestos in Bulk Insulation Samples; EPA-600/R-93/116 and EPA-600/M4-82-020. The limit of detection for this analytical method is one percent. CAGX bears no responsibility for sample collection activities or analytical method limitations. Non-friable organically bound materials present a problem matrix and therefore CAGX recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting. CAGX Lab and its personnel shall not be liable for any misinformation provided to us by the client regarding these samples or for any misuse or interpretation of information supplied by us. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. This report relates only to samples submitted and analyzed. This report may not be reproduced except in full, without the written approval by CAGX laboratory.
 Samples analyzed by CAGX Lab, Irvine CA, NVLAP Lab Code 600229-0



CAGX Laboratory
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 Irvine, CA 92618
 Phone: (949)333-3276

Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/19/2020
 Date Received: 8/20/2020
 CAGX Job #: 20082009
 Project Number: Atech 202117-PC

PLM Bulk Asbestos 1000 Point Count Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0342 20082009-01	Building 3 Electrical Room/ Plaster on Buttonboard	White Homogeneous Non- Fibrous Skim Coat	99%	Binder, Non- fibrous (Other)	Yes	0.5% Chrysotile
202117-A-0348 20082009-02	Building 4 Boys Restroom/ Plaster on Buttonboard	Beige Homogeneous Non- Fibrous Skim Coat	99%	Binder, Non- fibrous (Other)	Yes	0.6% Chrysotile
202117-A-0376 20082009-03	Building 2 Electrical Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound	2% Cellulose	97% Binder, Non- fibrous (Other)	Yes	<0.1% Chrysotile
202117-A-0377 20082009-04	Building 2 Electrical Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound	2% Cellulose	97% Binder, Non- fibrous (Other)	Yes	<0.1% Chrysotile

The analysis report was performed and analyzed in accordance with the procedure outlined in the US Federal Register 40 CFR Appendix E to Subpart E of Part 763 - Interim Method of the Determination of Asbestos in Bulk Insulation Samples; EPA-600/R-93/116 and EPA-600/M4-82-020. The limit of detection for this analytical method is one percent. CAGX bears no responsibility for sample collection activities or analytical method limitations. Non-friable organically bound materials present a problem matrix and therefore CAGX recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting. CAGX Lab and its personnel shall not be liable for any misinformation provided to us by the client regarding these samples or for any misuse or interpretation of information supplied by us. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. This report relates only to samples submitted and analyzed. This report may not be reproduced except in full, without the written approval by CAGX laboratory.
 Samples analyzed by CAGX Lab, Irvine CA, NVLAP Lab Code 600229-0



CAGX Laboratory
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 Irvine, CA 92618
 Phone: (949)333-3276

Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/19/2020
 Date Received: 8/20/2020
 CAGX Job #: 20082009
 Project Number: Atech 202117-PC

PLM Bulk Asbestos 1000 Point Count Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material			Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous			
202117-A-0378 20082009-05	Building 2 Electrical Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound	2%	Cellulose	97%	Binder, Non- fibrous (Other)	Yes 0.6% Chrysotile
202117-A-0379 20082009-06	Building 3 Girls Restroom/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound	2%	Cellulose	97%	Binder, Non- fibrous (Other)	Yes 0.5% Chrysotile
202117-A-0380 20082009-07	Building 3 Girls Restroom/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound	2%	Cellulose	97%	Binder, Non- fibrous (Other)	Yes 0.8% Chrysotile
202117-A-0384 20082009-08	Building 4 Boys Restroom/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound			99%	Binder, Non- fibrous (Other)	Yes 0.7% Chrysotile

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Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/19/2020
 Date Received: 8/20/2020
 CAGX Job #: 20082009
 Project Number: Atech 202117-PC

PLM Bulk Asbestos 1000 Point Count Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-0385 20082009-09	Building 4 Boys Restroom/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound	99%	Binder, Non- fibrous (Other)	Yes	0.9% Chrysotile
202117-A-0386 20082009-10	Building 4 Electrical Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound	99%	Binder, Non- fibrous (Other)	Yes	0.9% Chrysotile
202117-A-0387 20082009-11	Building 4 Electrical Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound	99%	Binder, Non- fibrous (Other)	Yes	0.8% Chrysotile
202117-A-0388 20082009-12	Building 4 Electrical Room/ Drywall & Joint Compound	White Homogeneous Non- Fibrous Joint Compound	99%	Binder, Non- fibrous (Other)	Yes	0.9% Chrysotile

Total Number of Samples: 12
 Total Number of Layers: 12

Approved Signatory:

The analysis report was performed and analyzed in accordance with the procedure outlined in the US Federal Register 40 CFR Appendix E to Subpart E of Part 763 - Interim Method of the Determination of Asbestos in Bulk Insulation Samples; EPA-600/R-93/116 and EPA-600/M4-82-020. The limit of detection for this analytical method is one percent. CAGX bears no responsibility for sample collection activities or analytical method limitations. Non-friable organically bound materials present a problem matrix and therefore CAGX recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting. CAGX Lab and its personnel shall not be liable for any misinformation provided to us by the client regarding these samples or for any misuse or interpretation of information supplied by us. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. This report relates only to samples submitted and analyzed. This report may not be reproduced except in full, without the written approval by CAGX laboratory.
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 Phone: (949)333-3276

Client Name: A-Tech Consulting, Inc.
 Address: 1640 N. Batavia Street, Orange, CA 92867
 Project Name: Lowell Joint School District Macy Elementry School
 Project Location: 2301 Russell Street, la Habra, CA 90631

Collected Date: 8/21/2020
 Date Received: 8/21/2020
 CAGX Job #: 20082109
 Project Number: Atech 202117

PLM Bulk Asbestos 1000 Point Count Result

Client ID# Lab ID	Location:	Analyst Description	Non Asbestos Material		Asbestos Present	Asbestos % Type
			% Fibrous	% Non-Fibrous		
202117-A-581 20082704-01	Building 1 Room 102/ Resilient Flooring & Mastic	Green Homogeneous Non- Fibrous Floor Tile	99%	Binder, Non- fibrous (Other)	Yes	<0.1% Chrysotile
202117-A-582 20082704-02	Building 1 Room 103/ Resilient Flooring & Mastic	Green Homogeneous Non- Fibrous Floor Tile	99%	Binder, Non- fibrous (Other)	Yes	<0.1% Chrysotile
202117-A-583 20082704-03	Building 1 Room 103/ Resilient Flooring & Mastic	Green Homogeneous Non- Fibrous Floor Tile	99%	Binder, Non- fibrous (Other)	Yes	<0.1% Chrysotile
202117-A-595 20082704-04	Building 1 Room 103/ Resilient Flooring & Mastic	Black, Yellow Homogeneous Non- Fibrous Mastic	2% 2%	Cellulose, Synth Fiber	95% Non-fibrous (Other), Tar	Yes 0.8% Chrysotile

Total Number of Samples: 4
 Total Number of Layers: 4

Approved Signatory:

The analysis report was performed and analyzed in accordance with the procedure outlined in the US Federal Register 40 CFR Appendix E to Subpart E of Part 763 - Interim Method of the Determination of Asbestos in Bulk Insulation Samples; EPA-600/R-93/116 and EPA-600/M4-82-020. The limit of detection for this analytical method is one percent. CAGX bears no responsibility for sample collection activities or analytical method limitations. Non-friable organically bound materials present a problem matrix and therefore CAGX recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting. CAGX Lab and its personnel shall not be liable for any misinformation provided to us by the client regarding these samples or for any misuse or interpretation of information supplied by us. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. This report relates only to samples submitted and analyzed. This report may not be reproduced except in full, without the written approval by CAGX laboratory.
 Samples analyzed by CAGX Lab, Irvine CA, NVLAP Lab Code 600229-0



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

20081407
CAGX Laboratory

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
1 HR 2 HR 3 HR 6 HR
24 HR 48 HR 72 HR **5 DAY**
OTHER _____

Phone Number: (714) 434-6360
Fax Number: (714) 221-6360
Attn: Robert Williams
Results: Email to labs@atechinc.net

Project Number and Name:
Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
Matthew Barma

Project Address:
2301 Russell Street

City:
La Habra

Zip:
90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0001	9" x 9" Tan Resilient Flooring/Resilient Floor Mastic	Building 3, Room 301	Non-Friable	Good	300 SF
202117-A-0002	9" x 9" Tan Resilient Flooring/Resilient Floor Mastic	Building 3, Room 302	Non-Friable	Good	See A1
202117-A-0003	9" x 9" Tan Resilient Flooring/Resilient Floor Mastic	Building 3, Room 301	Non-Friable	Good	See A1
202117-A-0004	9" x 9" Red Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Room 302	Non-Friable	Good	100 SF
202117-A-0005	9" x 9" Red Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Room 302	Non-Friable	Good	See A4
202117-A-0006	9" x 9" Red Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Room 302	Non-Friable	Good	See A4
202117-A-0007	9" x 9" Blue Grey Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Room 304	Non-Friable	Good	200 SF
202117-A-0008	9" x 9" Blue Grey Streaked Resilient Flooring/Resilient	Building 3, Room 304	Non-Friable	Good	See A7

Relinquished By:

Matthew Barma

Date: *8/14/20* Time:

Samples Received By:

J.P.

Date: *8-14* Time: *4:00pm*



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
 24 HR 48 HR 72 HR **5 DAY**
 OTHER _____

Phone Number: (714) 434-6360
Fax Number: (714) 221-6360
Attn: Robert Williams
Results: Email to labs@atechinc.net

Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Matthew Barra

Project Address:
 2301 Russell Street

City:
 La Habra

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0009	Floor Mastic				
202117-A-0010	9" x 9" Blue Grey Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Room 304	Non-Friable	Good	See A7
202117-A-0010	9" x 9" Grey Speckled Resilient Flooring/Resilient Floor Mastic	Building 3, Room 304	Non-Friable	Good	200 SF
202117-A-0011	9" x 9" Grey Speckled Resilient Flooring/Resilient Floor Mastic	Building 3, Room 304	Non-Friable	Good	See A10
202117-A-0012	9" x 9" Grey Speckled Resilient Flooring/Resilient Floor Mastic	Building 3, Room 304	Non-Friable	Good	See A10
202117-A-0013	9" x 9" White with Blue Speckles Resilient Flooring/Resilient Floor Mastic	Building 3, Room 301	Non-Friable	Good	100 SF
202117-A-0014	9" x 9" White with Blue Speckles Resilient Flooring/Resilient Floor Mastic	Building 3, Room 304	Non-Friable	Good	See A13

Relinquished By: *Matthew Barra*

Date: *8/14/20* **Time:** _____

Samples Received By: _____

Date: _____ **Time:** _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
 24 HR 48 HR 72 HR **5 DAY**
 OTHER _____

Phone Number: (714) 434-6360
Fax Number: (714) 221-6360
Attn: Robert Williams
Results: Email to labs@atechinc.net

Project Number and Name: Atch-202117 Lowell Joint School District Macy Elementary School
Sampled By (Print Full Name): Matthew Barra

Project Address: 2301 Russell Street
City: La Habra
Zip: 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0015	9" x 9" White with Blue Speckles Resilient Flooring/Resilient Floor Mastic	Building 3, Room 301	Non-Friable	Good	See A13
202117-A-0016	9" x 9" Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Room 302	Non-Friable	Good	800 SF
202117-A-0017	9" x 9" Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Room 302	Non-Friable	Good	See A16
202117-A-0018	9" x 9" Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Room 302	Non-Friable	Good	See A16
202117-A-0019	9" x 9" Grey Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Room 301	Non-Friable	Good	800 SF
202117-A-0020	9" x 9" Grey Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Room 301	Non-Friable	Good	See A19
202117-A-0021	9" x 9" Grey Streaked Resilient Flooring/Resilient Floor Mastic	Building 3, Room 301	Non-Friable	Good	See A19

Relinquished By: *Matthew Barra*
Date: *8/14/20* **Time:** _____

Samples Received By: _____ **Date:** _____ **Time:** _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
 24 HR 48 HR 72 HR **5 DAY**
 OTHER _____

Phone Number: (714) 434-6360
Fax Number: (714) 221-6360
Attn: Robert Williams
Results: Email to labs@atechinc.net

Project Number and Name: Achl-202117 Lowell Joint School District Macy Elementary School
Sampled By (Print Full Name): Matthew Barma

Project Address: 2301 Russell Street
City: La Habra
Zip: 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. QTY.
202117-A-0022	9"x 9" Light Tan Resilient Flooring/Resilient Floor Mastic	Building 3, Room 301	Non-Friable	Good	200 SF
202117-A-0023	9"x 9" Light Tan Resilient Flooring/Resilient Floor Mastic	Building 3, Room 301	Non-Friable	Good	See A22
202117-A-0024	9"x 9" Light Tan Resilient Flooring/Resilient Floor Mastic	Building 3, Room 301	Non-Friable	Good	See A22
202117-A-0025	9"x 9" Orange Brown Resilient Flooring/Resilient Floor Mastic	Building 3, Room 304	Non-Friable	Good	800 SF
202117-A-0026	9"x 9" Orange Brown Resilient Flooring/Resilient Floor Mastic	Building 3, Room 304	Non-Friable	Good	See A25
202117-A-0027	9"x 9" Orange Brown Resilient Flooring/Resilient Floor Mastic	Building 3, Room 304	Non-Friable	Good	See A25
202117-A-0028	Rolled Roof	Building 3, Roof	Non-Friable	Good	5001 SF

Relinquished By: *Matthew Barma*
Date: 8/14/20 **Time:** _____

Samples Received By: _____ **Date:** _____ **Time:** _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
 24 HR 48 HR 72 HR **5 DAY**
 OTHER _____

Phone Number: (714) 434-6360
Fax Number: (714) 221-6360
Attn: Robert Williams
Results: Email to labs@atechinc.net

Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Matthew Barra

Project Address:
 2301 Russell Street

City:
 La Habra

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0029	Rolled Roof	Building 3, Roof	Non-Friable	Good	See A28
202117-A-0030	Rolled Roof	Building 3, Roof	Non-Friable	Good	See A28
202117-A-0031	Rolled Roof	Building 3, Roof	Non-Friable	Good	See A28
202117-A-0032	Rolled Roof	Building 3, Roof	Non-Friable	Good	See A28
202117-A-0033	Rolled Roof	Building 3, Roof	Non-Friable	Good	See A28
202117-A-0034	Rolled Roof	Building 3, Roof	Non-Friable	Good	See A28
202117-A-0035	Grey Roof Penetration Mastic	Building 3, Roof	Non-Friable	Good	20 SF
202117-A-0036	Grey Roof Penetration Mastic	Building 3, Roof	Non-Friable	Good	See A35

Relinquished By:

Date: 8/14/20 **Time:**

Samples Received By:

Date: **Time:**



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
 24 HR 48 HR 72 HR **5 DAY**
 OTHER _____

Phone Number: (714) 434-6360
Fax Number: (714) 221-6360
Attn: Robert Williams
Results: Email to labs@atechinc.net

Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Mathew Barna

Project Address:
 2301 Russell Street

City:
 La Habra

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0037	Grey Roof Penetration Mastic	Building 3, Roof	Non-Friable	Good	See A35
202117-A-0038	Black Roof Penetration Mastic	Building 3, Roof	Non-Friable	Good	20 SF
202117-A-0039	Black Roof Penetration Mastic	Building 3, Roof	Non-Friable	Good	See A38
202117-A-0040	Black Roof Penetration Mastic	Building 3, Roof	Non-Friable	Good	See A38
202117-A-0041	White Roof Penetration Mastic	Building 3, Roof	Non-Friable	Good	20 SF
202117-A-0042	White Roof Penetration Mastic	Building 3, Roof	Non-Friable	Good	See A41
202117-A-0043	White Roof Penetration Mastic	Building 3, Roof	Non-Friable	Good	See A41
202117-A-0044	Gray Painted Rolled Roofing	Building 4, Roof	Non-Friable	Good	900SF

Relinquished By: *Mathew Barna* **Date:** 8/14/20 **Time:** _____

Samples Received By: _____ **Date:** _____ **Time:** _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
 Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
 24 HR 48 HR 72 HR **5 DAY**
 OTHER _____

Phone Number: (714) 434-6360
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 Attn: Robert Williams
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Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Matthew Barma

Project Address:
 2301 Russell Street

City:
 La Habra

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0045	Gray Painted Rolled Roofing	Building 4, Roof	Non-Friable	Good	See A44
202117-A-0046	Gray Painted Rolled Roofing	Building 4, Roof	Non-Friable	Good	See A44
202117-A-0047	Rolled Roof	Building 4, Roof	Non-Friable	Good	5001 SF
202117-A-0048	Rolled Roof	Building 4, Roof	Non-Friable	Good	See A47
202117-A-0049	Rolled Roof	Building 4, Roof	Non-Friable	Good	See A47
202117-A-0050	Rolled Roof	Building 4, Roof	Non-Friable	Good	See A47
202117-A-0051	Rolled Roof	Building 4, Roof	Non-Friable	Good	See A47
202117-A-0052	Rolled Roof	Building 4, Roof	Non-Friable	Good	See A47

Relinquished By: Matthew Barma Date: 8/14/20 Time: _____

Samples Received By: _____ Date: _____ Time: _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
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Sampled By (Print Full Name):
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 La Habra

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0053	Rolled Roof	Building 4, Roof	Non-Friable	Good	See A47
202117-A-0054	Grey Roof Penetration Mastic	Building 4, Roof	Non-Friable	Good	20 SF
202117-A-0055	Grey Roof Penetration Mastic	Building 4, Roof	Non-Friable	Good	See A54
202117-A-0056	Grey Roof Penetration Mastic	Building 4, Roof	Non-Friable	Good	See A54
202117-A-0057	Black Roof Penetration Mastic	Building 4, Roof	Non-Friable	Good	20 SF
202117-A-0058	Black Roof Penetration Mastic	Building 4, Roof	Non-Friable	Good	See A57
202117-A-0059	Black Roof Penetration Mastic	Building 4, Roof	Non-Friable	Good	See A57
202117-A-0060	Rolled Roof	MPPR/Admin, Kindergarten, Roof	Non-Friable	Good	7001 SF

Relinquished By: *Matthew Barma*

Date: *8/14/20* **Time:** _____

Samples Received By: _____

Date: _____ **Time:** _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
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Sampled By (Print Full Name):
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 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0061	Rolled Roof	MPPR/Admin, Kindergarten, Roof	Non-Friable	Good	See A60
202117-A-0062	Rolled Roof	MPPR/Admin, Kindergarten, Roof	Non-Friable	Good	See A60
202117-A-0063	Rolled Roof	MPPR/Admin, Kindergarten, Roof	Non-Friable	Good	See A60
202117-A-0064	Rolled Roof	MPPR/Admin, Kindergarten, Roof	Non-Friable	Good	See A60
202117-A-0065	Rolled Roof	MPPR/Admin, Kindergarten, Roof	Non-Friable	Good	See A60
202117-A-0066	Rolled Roof	MPPR/Admin, Kindergarten, Roof	Non-Friable	Good	See A60
202117-A-0067	Black Roof Penetration Mastic	MPPR/Admin, Kindergarten, Roof	Non-Friable	Good	40 SF
202117-A-0068	Black Roof Penetration Mastic	MPPR/Admin, Kindergarten, Roof	Non-Friable	Good	See A67

Relinquished By: *Mathew Barma*

Date: *8/14/20* **Time:**

Samples Received By:

Date: **Time:**



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
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 La Habra

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0069	Black Roof Penetration Mastic	MPPR/Admin, Kindergarten, Roof	Non-Friable	Good	See A67
202117-A-0070	Grey Roof Penetration Mastic	MPPR/Admin, Kindergarten, Roof	Non-Friable	Good	40 SF
202117-A-0071	Grey Roof Penetration Mastic	MPPR/Admin, Kindergarten, Roof	Non-Friable	Good	See A70
202117-A-0072	Grey Roof Penetration Mastic	MPPR/Admin, Kindergarten, Roof	Non-Friable	Good	See A70
202117-A-0073	White Roof Penetration Mastic	MPPR/Admin, Kindergarten, Roof	Non-Friable	Good	40 SF
202117-A-0074	White Roof Penetration Mastic	MPPR/Admin, Kindergarten, Roof	Non-Friable	Good	See 73
202117-A-0075	White Roof Penetration Mastic	MPPR/Admin, Kindergarten, Roof	Non-Friable	Good	See 73
202117-A-0076	Rolled Roof	Building 5, Roof	Non-Friable	Good	5001 SF

Relinquished By: *Matthew Barma*

Date: *8/14/20* Time: _____

Samples Received By: _____

Date: _____ Time: _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
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 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Matthew Barma

Project Address:
 2301 Russell Street

City:
 La Habra

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0077	Rolled Roof	Building 5, Roof	Non-Friable	Good	See A76
202117-A-0078	Rolled Roof	Building 5, Roof	Non-Friable	Good	See A76
202117-A-0079	Rolled Roof	Building 5, Roof	Non-Friable	Good	See A76
202117-A-0080	Rolled Roof	Building 5, Roof	Non-Friable	Good	See A76
202117-A-0081	Rolled Roof	Building 5, Roof	Non-Friable	Good	See A76
202117-A-0082	Rolled Roof	Building 5, Roof	Non-Friable	Good	See A76
202117-A-0083	Black Roof Penetration Mastic	Building 5, Roof	Non-Friable	Good	20 SF
202117-A-0084	Black Roof Penetration Mastic	Building 5, Roof	Non-Friable	Good	See A83

Relinquished By: *Matthew Barma*

Date: *8/11/20*

Time:

Samples Received By:

Date:

Time:



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
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 OTHER _____

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Fax Number: (714) 221-6360
Attn: Robert Williams
Results: Email to labs@atechinc.net

Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Matthew Barra

Project Address:
 2301 Russell Street

City:
 La Habra

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0085	Black Roof Penetration Mastic	Building 5, Roof	Non-Friable	Good	See A83
202117-A-0086	Grey Roof Penetration Mastic	Building 5, Roof	Non-Friable	Good	20 SF
202117-A-0087	Grey Roof Penetration Mastic	Building 5, Roof	Non-Friable	Good	See A86
202117-A-0088	Grey Roof Penetration Mastic	Building 5, Roof	Non-Friable	Good	See A86
202117-A-0089	White Roof Penetration Mastic	Building 5, Roof	Non-Friable	Good	20 SF
202117-A-0090	White Roof Penetration Mastic	Building 5, Roof	Non-Friable	Good	See A89
202117-A-0091	White Roof Penetration Mastic	Building 5, Roof	Non-Friable	Good	See A89
202117-A-0092	Rolled Roof	Building 1, Roof	Non-Friable	Good	5001 SF

Relinquished By: *Matthew Barra*

Date: *8/14/20* **Time:** _____

Samples Received By: _____

Date: _____ **Time:** _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
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 OTHER _____

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Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Matthew Barma

Project Address:
 2301 Russell Street

City:
 La Habra

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0093	Rolled Roof	Building 1, Roof	Non-Friable	Good	See A92
202117-A-0094	Rolled Roof	Building 1, Roof	Non-Friable	Good	See A92
202117-A-0095	Rolled Roof	Building 1, Roof	Non-Friable	Good	See A92
202117-A-0096	Rolled Roof	Building 1, Roof	Non-Friable	Good	See A92
202117-A-0097	Rolled Roof	Building 1, Roof	Non-Friable	Good	See A92
202117-A-0098	Rolled Roof	Building 1, Roof	Non-Friable	Good	See A92
202117-A-0099	Black Roof Penetration Mastic	Building 1, Roof	Non-Friable	Good	20 SF
202117-A-0100	Black Roof Penetration Mastic	Building 1, Roof	Non-Friable	Good	See A99

Relinquished By: *Matthew Barma*

Date: *8/14/20* **Time:** _____

Samples Received By: _____

Date: _____ **Time:** _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116

Turn Around Time (Circle One):

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OTHER _____

Phone Number: (714) 434-6360

Fax Number: (714) 221-6360

Attn: Robert Williams

Results: Email to labs@atechinc.net

Project Number and Name: Atch-202117 Lowell Joint School District Macy Elementary School	Sampled By (Print Full Name): Matthew Barra
Project Address: 2301 Russell Street	City: La Habra
	Zip: 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0101	Black Roof Penetration Mastic	Building 1, Roof	Non-Friable	Good	See A99
202117-A-0102	Grey Roof Penetration Mastic	Building 1, Roof	Non-Friable	Good	20 SF
202117-A-0103	Grey Roof Penetration Mastic	Building 1, Roof	Non-Friable	Good	See A102
202117-A-0104	Grey Roof Penetration Mastic	Building 1, Roof	Non-Friable	Good	See A102
202117-A-0105	White Roof Penetration Mastic	Building 1, Roof	Non-Friable	Good	20 SF
202117-A-0106	White Roof Penetration Mastic	Building 1, Roof	Non-Friable	Good	See A105
202117-A-0107	White Roof Penetration Mastic	Building 1, Roof	Non-Friable	Good	See A105
202117-A-0108	Rolled Roof	Building 2, Roof	Non-Friable	Good	5001 SF

Relinquished By: Matthew Barra Date: 8/14/16 Time: _____

Samples Received By: _____ Date: _____ Time: _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

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 Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
 24 HR 48 HR 72 HR **5 DAY**
 OTHER _____

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Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Matthew Barma

Project Address:
 2301 Russell Street

City:
 La Habra

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0109	Rolled Roof	Building 2, Roof	Non-Friable	Good	See A108
202117-A-0110	Rolled Roof	Building 2, Roof	Non-Friable	Good	See A108
202117-A-0111	Rolled Roof	Building 2, Roof	Non-Friable	Good	See A108
202117-A-0112	Rolled Roof	Building 2, Roof	Non-Friable	Good	See A108
202117-A-0113	Rolled Roof	Building 2, Roof	Non-Friable	Good	See A108
202117-A-0114	Rolled Roof	Building 2, Roof	Non-Friable	Good	See A108
202117-A-0115	Black Roof Penetration Mastic	Building 2, Roof	Non-Friable	Good	20 SF
202117-A-0116	Black Roof Penetration Mastic	Building 2, Roof	Non-Friable	Good	See A115

Relinquished By: Matthew Barma

Date: 8/14/20 Time: _____

Samples Received By: _____

Date: _____ Time: _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
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Sampled By (Print Full Name):
 Mathew Barna

Project Address:
 2301 Russell Street

City:
 La Habra

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0117	Black Roof Penetration Mastic	Building 2, Roof	Non-Friable	Good	See A115
202117-A-0118	Grey Roof Penetration Mastic	Building 2, Roof	Non-Friable	Good	20 SF
202117-A-0119	Grey Roof Penetration Mastic	Building 2, Roof	Non-Friable	Good	See A119
202117-A-0120	Grey Roof Penetration Mastic	Building 2, Roof	Non-Friable	Good	See A119
202117-A-0121	White Roof Penetration Mastic	Building 2, Roof	Non-Friable	Good	20 SF
202117-A-0122	White Roof Penetration Mastic	Building 2, Roof	Non-Friable	Good	See A121
202117-A-0123	White Roof Penetration Mastic	Building 2, Roof	Non-Friable	Good	See A121

Relinquished By: Matthew Barna **Date:** 8/14/20 **Time:** 3:24pm

Samples Received By: _____ **Date:** _____ **Time:** _____



A-Tech Consulting, Inc.

20081903
CAGX Laboratory

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

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Turn Around Time (Circle One):
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Sampled By (Print Full Name):
Matthew Barra

Project Address:
2301 Russell Street

City:
La Habra

Zip:
90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0124	Vapor Barrier (Exterior)	Building 1, Exterior	Friable	Good	7000 SF
202117-A-0125	Vapor Barrier (Exterior)	Building 1, Exterior	Friable	Good	See A124
202117-A-0126	Vapor Barrier (Exterior)	Building 1, Exterior	Friable	Good	See A124
202117-A-0127	Vapor Barrier (Exterior)	Building 1, Exterior	Friable	Good	See A124
202117-A-0128	Vapor Barrier (Exterior)	Building 1, Exterior	Friable	Good	See A124
202117-A-0129	Vapor Barrier (Exterior)	Building 1, Exterior	Friable	Good	See A124
202117-A-0130	Vapor Barrier (Exterior)	Building 1, Exterior	Friable	Good	See A124
202117-A-0131	Vapor Barrier (Exterior)	Building 2, Exterior	Friable	Good	7000 SF

Relinquished By: *Matthew Barra*

Date: 8/18/20 Time: 4:30 PM

Samples Received By: *[Signature]*

Date: 9/19/20 Time: 8:30 AM



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
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Sampled By (Print Full Name):
 Mathew Barma

Project Address:
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Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0132	Vapor Barrier (Exterior)	Building 2, Exterior	Friable	Good	See A131
202117-A-0133	Vapor Barrier (Exterior)	Building 2, Exterior	Friable	Good	See A131
202117-A-0134	Vapor Barrier (Exterior)	Building 2, Exterior	Friable	Good	See A131
202117-A-0135	Vapor Barrier (Exterior)	Building 2, Exterior	Friable	Good	See A131
202117-A-0136	Vapor Barrier (Exterior)	Building 2, Exterior	Friable	Good	See A131
202117-A-0137	Vapor Barrier (Exterior)	Building 2, Exterior	Friable	Good	See A131
202117-A-0138	Vapor Barrier (Exterior)	Building 3, Exterior	Friable	Good	7000 SF
202117-A-0139	Vapor Barrier (Exterior)	Building 3, Exterior	Friable	Good	See A138

Relinquished By: *[Signature]* **Date:** 8/18/22 **Time:** 4:30 PM

Samples Received By: _____ **Date:** _____ **Time:** _____



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ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

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Project Number and Name: Atch-202117 Lowell Joint School District Macy Elementary School	Sampled By (Print Full Name): Matthew Barra
Project Address: 2301 Russell Street	City: La Habra
	Zip: 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0140	Vapor Barrier (Exterior)	Building 3, Exterior	Friable	Good	See A138
202117-A-0141	Vapor Barrier (Exterior)	Building 3, Exterior	Friable	Good	See A138
202117-A-0142	Vapor Barrier (Exterior)	Building 3, Exterior	Friable	Good	See A138
202117-A-0143	Vapor Barrier (Exterior)	Building 3, Exterior	Friable	Good	See A138
202117-A-0144	Vapor Barrier (Exterior)	Building 3, Exterior	Friable	Good	See A138
202117-A-0145	Vapor Barrier (Exterior)	Building 4, Exterior	Friable	Good	7000 SF
202117-A-0146	Vapor Barrier (Exterior)	Building 4, Exterior	Friable	Good	A145
202117-A-0147	Vapor Barrier (Exterior)	Building 4, Exterior	Friable	Good	A145

Relinquished By:  **Date:** 8/18/20 **Time:** 4:30 PM

Samples Received By: _____ **Date:** _____ **Time:** _____



A-Tech Consulting, Inc.

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Sampled By (Print Full Name):
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City:
 La Habra

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0148	Vapor Barrier (Exterior)	Building 4, Exterior	Friable	Good	A145
202117-A-0149	Vapor Barrier (Exterior)	Building 4, Exterior	Friable	Good	A145
202117-A-0150	Vapor Barrier (Exterior)	Building 4, Exterior	Friable	Good	A145
202117-A-0151	Vapor Barrier (Exterior)	Building 4, Exterior	Friable	Good	A145
202117-A-0152	Vapor Barrier (Exterior)	Building 5, Exterior	Friable	Good	6000 SF
202117-A-0153	Vapor Barrier (Exterior)	Building 5, Exterior	Friable	Good	See A151
202117-A-0154	Vapor Barrier (Exterior)	Building 5, Exterior	Friable	Good	See A151
202117-A-0155	Vapor Barrier (Exterior)	Building 5, Exterior	Friable	Good	See A151

Relinquished By: _____

Date: 8/18/20 Time: 4:30 PM

Samples Received By: _____

Date: _____ Time: _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

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Sampled By (Print Full Name):
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City:
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Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0156	Vapor Barrier (Exterior)	Building 5, Exterior	Friable	Good	See A151
202117-A-0157	Vapor Barrier (Exterior)	Building 5, Exterior	Friable	Good	See A151
202117-A-0158	Vapor Barrier (Exterior)	Building 5, Exterior	Friable	Good	See A151
202117-A-0159	Stucco	Building 1, Exterior	Non-Friable	Good	8000 SF
202117-A-0160	Stucco	Building 1, Exterior	Non-Friable	Good	See A159
202117-A-0161	Stucco	Building 1, Exterior	Non-Friable	Good	See A159
202117-A-0162	Stucco	Building 1, Exterior	Non-Friable	Good	See A159
202117-A-0163	Stucco	Building 1, Exterior	Non-Friable	Good	See A159

Relinquished By:  **Date:** 8/18/22 **Time:** 4:30PM

Samples Received By: _____ **Date:** _____ **Time:** _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116

Turn Around Time (Circle One):

1 HR 2 HR 3 HR 6 HR

24 HR 48 HR 72 HR **5 DAY**

OTHER _____

Phone Number: (714) 434-6360

Fax Number: (714) 221-6360

Attn: Robert Williams

Results: Email to labs@atechinc.net

Project Number and Name:
Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
Mathew Barna

Project Address:
2301 Russell Street

City:
La Habra

Zip:
90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0164	Stucco	Building 1, Exterior	Non-Friable	Good	See A159
202117-A-0165	Stucco	Building 1, Exterior	Non-Friable	Good	See A159
202117-A-0166	Stucco	Building 2, Exterior	Non-Friable	Good	8000 SF
202117-A-0167	Stucco	Building 2, Exterior	Non-Friable	Good	See A166
202117-A-0168	Stucco	Building 2, Exterior	Non-Friable	Good	See A166
202117-A-0169	Stucco	Building 2, Exterior	Non-Friable	Good	See A166
202117-A-0170	Stucco	Building 2, Exterior	Non-Friable	Good	See A166
202117-A-0171	Stucco	Building 2, Exterior	Non-Friable	Good	See A166

Relinquished By: _____

Date: 8/18/20 Time: 4:30 PM

Samples Received By: _____

Date: _____ Time: _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
 24 HR 48 HR 72 HR **5 DAY**
 OTHER _____

Phone Number: (714) 434-6360
Fax Number: (714) 221-6360
Attn: Robert Williams
Results: Email to labs@atechinc.net

Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Mathew Barna

Project Address:
 2301 Russell Street

City:
 La Habra

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0172	Stucco	Building 2, Exterior	Non-Friable	Good	See A166
202117-A-0173	Stucco	Building 3, Exterior	Non-Friable	Good	8000 SF
202117-A-0174	Stucco	Building 3, Exterior	Non-Friable	Good	See A173
202117-A-0175	Stucco	Building 3, Exterior	Non-Friable	Good	See A173
202117-A-0176	Stucco	Building 3, Exterior	Non-Friable	Good	See A173
202117-A-0177	Stucco	Building 3, Exterior	Non-Friable	Good	See A173
202117-A-0178	Stucco	Building 3, Exterior	Non-Friable	Good	See A173
202117-A-0179	Stucco	Building 3, Exterior	Non-Friable	Good	See A173

Relinquished By: *Mathew Barna*

Date: 8/18/78 **Time:** 4:30 PM

Samples Received By: _____

Date: _____ **Time:** _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
 24 HR 48 HR 72 HR **5 DAY**
 OTHER _____

Phone Number: (714) 434-6360
Fax Number: (714) 221-6360
Attn: Robert Williams
Results: Email to labs@atechinc.net

Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Matthew Barra

Project Address:
 2301 Russell Street

City:
 La Habra

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0180	Stucco	Building 4, Exterior	Non-Friable	Good	8000 SF
202117-A-0181	Stucco	Building 4, Exterior	Non-Friable	Good	See A180
202117-A-0182	Stucco	Building 4, Exterior	Non-Friable	Good	See A180
202117-A-0183	Stucco	Building 4, Exterior	Non-Friable	Good	See A180
202117-A-0184	Stucco	Building 4, Exterior	Non-Friable	Good	See A180
202117-A-0185	Stucco	Building 4, Exterior	Non-Friable	Good	See A180
202117-A-0186	Stucco	Building 4, Exterior	Non-Friable	Good	See A180
202117-A-0187	Stucco	Building 5, Exterior	Non-Friable	Good	7000 SF

Relinquished By: *[Signature]* **Date:** 8/18/20 **Time:** 4:50 PM

Samples Received By: _____ **Date:** _____ **Time:** _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116

Turn Around Time (Circle One):

1 HR 2 HR 3 HR 6 HR

24 HR 48 HR 72 HR **5 DAY**

OTHER _____

Phone Number: (714) 434-6360

Fax Number: (714) 221-6360

Attn: Robert Williams

Results: Email to labs@atechinc.net

Project Number and Name:
Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
Matthew Barra

Project Address:
2301 Russell Street

City:
La Habra

Zip:
90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0188	Stucco	Building 5, Exterior	Non-Friable	Good	See A187
202117-A-0189	Stucco	Building 5, Exterior	Non-Friable	Good	See A187
202117-A-0190	Stucco	Building 5, Exterior	Non-Friable	Good	See A187
202117-A-0191	Stucco	Building 5, Exterior	Non-Friable	Good	See A187
202117-A-0192	Stucco	Building 5, Exterior	Non-Friable	Good	See A187
202117-A-0193	Stucco	Building 5, Exterior	Non-Friable	Good	See A187
202117-A-0194	12" x 12" Ceiling Tile	Building 1, Room 102	Friable	Good	5001 SF
202117-A-0195	12" x 12" Ceiling Tile	Building 1, Room 102	Friable	Good	See A194

Relinquished By:

Date: 3/18/20

Time: 4:30 PM

Samples Received By:

Date:

Time:



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
 24 HR 48 HR 72 HR **5 DAY**
 OTHER _____

Phone Number: (714) 434-6360
Fax Number: (714) 221-6360
Attn: Robert Williams
Results: Email to labs@atechinc.net

Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Mathew Bartra

Project Address:
 2301 Russell Street

City:
 La Habra

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0196	12"x 12" Ceiling Tile	Building 1, Room 102	Friable	Good	See A194
202117-A-0197	12"x 12" Ceiling Tile	Building 1, Room 101	Friable	Good	See A194
202117-A-0198	12"x 12" Ceiling Tile	Building 1, Room 103	Friable	Good	See A194
202117-A-0199	12"x 12" Ceiling Tile	Building 1, Room 102	Friable	Good	See A194
202117-A-0200	12"x 12" Ceiling Tile	Building 1, Room 104	Friable	Good	See A194
202117-A-0201	12"x 12" Ceiling Tile	Building 2, Room 203	Friable	Good	5001 SF
202117-A-0202	12"x 12" Ceiling Tile	Building 2, Room 201	Friable	Good	See 201
202117-A-0203	12"x 12" Ceiling Tile	Building 2, Room 204	Friable	Good	See 201

Relinquished By: *Mathew Bartra* **Date:** *8/10/21* **Time:** *4:30 PM*

Samples Received By: _____ **Date:** _____ **Time:** _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
 24 HR 48 HR 72 HR **5 DAY**
 OTHER

Phone Number: (714) 434-6360
Fax Number: (714) 221-6360
Attn: Robert Williams
Results: Email to labs@atechinc.net

Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Matthew Barma

Project Address:
 2301 Russell Street

City:
 La Habra

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0204	12" x 12" Ceiling Tile	Building 2, Room 203	Friable	Good	See 201
202117-A-0205	12" x 12" Ceiling Tile	Building 2, Room 203	Friable	Good	See 201
202117-A-0206	12" x 12" Ceiling Tile	Building 2, Room 201	Friable	Good	See 201
202117-A-0207	12" x 12" Ceiling Tile	Building 2, Room 202	Friable	Good	See 201
202117-A-0208	12" x 12" Ceiling Tile	Building 3, Room 301	Friable	Good	5001 SF
202117-A-0209	12" x 12" Ceiling Tile	Building 3, Room 301	Friable	Good	See A209
202117-A-0210	12" x 12" Ceiling Tile	Building 3, Room 301	Friable	Good	See A209
202117-A-0211	12" x 12" Ceiling Tile	Building 3, Room 302	Friable	Good	See A209

Relinquished By:

Matthew Barma

Date: 8/18/20 **Time:** 4:30 PM

Samples Received By:

Date: **Time:**



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
 Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
 24 HR 48 HR 72 HR **5 DAY**
 OTHER _____

Phone Number: (714) 434-6360
 Fax Number: (714) 221-6360
 Attn: Robert Williams
 Results: Email to labs@atechinc.net

Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School


Project Address:
 2301 Russell Street

City: La Habra

Zip: 90631

Sampled By (Print Full Name):
 Mathew Barma

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0212	12" x 12" Ceiling Tile	Building 3, Room 302	Friable	Good	See A209
202117-A-0213	12" x 12" Ceiling Tile	Building 3, Room 303	Friable	Good	See A209
202117-A-0214	12" x 12" Ceiling Tile	Building 3, Room 304	Friable	Good	See A209
202117-A-0215	12" x 12" Ceiling Tile	Building 4, Room 403	Friable	Good	5001 SF
202117-A-0216	12" x 12" Ceiling Tile	Building 4, Room 403	Friable	Good	See 215
202117-A-0217	12" x 12" Ceiling Tile	Building 4, Room 403	Friable	Good	See 215
202117-A-0218	12" x 12" Ceiling Tile	Building 4, Room 403	Friable	Good	See 215
202117-A-0219	12" x 12" Ceiling Tile	Building 4, Room 404	Friable	Good	See 215

Relinquished By:  **Date:** 8/18/20 **Time:** 4:30pm

Samples Received By: _____ **Date:** _____ **Time:** _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116

Turn Around Time (Circle One):

1 HR 2 HR 3 HR 6 HR

24 HR 48 HR 72 HR **5 DAY**

OTHER _____

Phone Number: (714) 434-6360

Fax Number: (714) 221-6360

Attn: Robert Williams

Results: Email to labs@atechinc.net

Project Number and Name:

Ateh-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):

Mathew Barua

Project Address:

2301 Russell Street

City:
La Habra

Zip:
90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0220	12"x 12" Ceiling Tile	Building 4, Room 404	Friable	Good	See 215
202117-A-0221	12"x 12" Ceiling Tile	Building 4, Room 401	Friable	Good	See 215
202117-A-0222	12"x 12" Ceiling Tile	Building 5, Room 502	Friable	Good	5001 SF
202117-A-0223	12"x 12" Ceiling Tile	Building 5, Room 502	Friable	Good	See 222
202117-A-0224	12"x 12" Ceiling Tile	Building 5, Room 503	Friable	Good	See 222
202117-A-0225	12"x 12" Ceiling Tile	Building 5, Room 503	Friable	Good	See 222
202117-A-0226	12"x 12" Ceiling Tile	Building 5, Room 503	Friable	Good	See 222
202117-A-0227	12"x 12" Ceiling Tile	Building 5, Room 502	Friable	Good	See 222

Relinquished By:

Mathew Barua

Date: 8/18/20

Time: 4:30 PM

Samples Received By:

Date:

Time:

Asbestos Bulk Chain of Custody



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116

Turn Around Time (Circle One):

1 HR 2 HR 3 HR 6 HR

24 HR 48 HR 72 HR **5 DAY**

OTHER _____

Phone Number: (714) 434-6360

Fax Number: (714) 221-6360

Attn: Robert Williams

Results: Email to labs@atechinc.net

Project Number and Name:
Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
Matthew Barra

Project Address:
2301 Russell Street

City:
La Habra

Zip:
90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0228	12" x 12" Ceiling Tile	Building 5, Room 502	Friable	Good	See 222
202117-A-0229	12" x 12" Ceiling Tile with Hockey Puck Mastic	Building 1, Boys' Restroom	Friable	Good	4000 SF
202117-A-0230	12" x 12" Ceiling Tile with Hockey Puck Mastic	Building 1, Boys' Restroom	Friable	Good	See A229
202117-A-0231	12" x 12" Ceiling Tile with Hockey Puck Mastic	Building 1, Boys' Restroom	Friable	Good	See A229
202117-A-0232	12" x 12" Ceiling Tile with Hockey Puck Mastic	Building 1, Boys' Restroom	Friable	Good	See A229
202117-A-0233	12" x 12" Ceiling Tile with Hockey Puck Mastic	Building 1, Room 102, Walls	Friable	Good	See A229
202117-A-0234	12" x 12" Ceiling Tile with Hockey Puck Mastic	Building 2, Boys' Restroom	Friable	Good	4000 SF
202117-A-0235	12" x 12" Ceiling Tile with Hockey Puck Mastic	Building 2, Boys' Restroom	Friable	Good	See A234

Relinquished By:

Date: 8/18/20

Time: 4:30 PM

Samples Received By:

Date:

Time:



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
 24 HR 48 HR 72 HR **5 DAY**
 OTHER _____

Phone Number: (714) 434-6360
Fax Number: (714) 221-6360
Attn: Robert Williams
Results: Email to labs@atechinc.net

Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Matthew Barma

Project Address:
 2301 Russell Street

City:
 La Habra

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0236	12"x 12" Ceiling Tile with Hockey Puck Mastic	Building 2, Room 203, Walls	Friable	Good	See A234
202117-A-0237	12"x 12" Ceiling Tile with Hockey Puck Mastic	Building 2, Room 203, Walls	Friable	Good	See A234
202117-A-0238	12"x 12" Ceiling Tile with Hockey Puck Mastic	Building 2, Room 203, Girls' Restroom	Friable	Good	See A234
202117-A-0239	12"x 12" Ceiling Tile with Hockey Puck Mastic	Building 3, Girls' Restroom	Friable	Good	4000 SF
202117-A-0240	12"x 12" Ceiling Tile with Hockey Puck Mastic	Building 3, Girls' Restroom	Friable	Good	See A239
202117-A-0241	12"x 12" Ceiling Tile with Hockey Puck Mastic	Building 3, Girls' Restroom	Friable	Good	See A239
202117-A-0242	12"x 12" Ceiling Tile with Hockey Puck Mastic	Building 3, 301	Friable	Good	See 239
202117-A-0243	12"x 12" Ceiling Tile with Hockey Puck Mastic	Building 3, 301	Friable	Good	See 239

Relinquished By:

Matthew Barma

Date: 8/19/20 **Time:** 4:30 PM

Samples Received By:

Date:

Time:



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
 24 HR 48 HR 72 HR **5 DAY**
 OTHER _____

Phone Number: (714) 434-6360
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Attn: Robert Williams
Results: Email to labs@atechinc.net

Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Matthew Barra

Project Address:
 2301 Russell Street

City:
 La Habra

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0244	12" x 12" Ceiling Tile with Hockey Puck Mastic	Building 4, Boys' Restroom	Friable	Good	4000 SF
202117-A-0245	12" x 12" Ceiling Tile with Hockey Puck Mastic	Building 4, Boys' Restroom	Friable	Good	See A244
202117-A-0246	12" x 12" Ceiling Tile with Hockey Puck Mastic	Building 4, Boys' Restroom	Friable	Good	See A244
202117-A-0247	12" x 12" Ceiling Tile with Hockey Puck Mastic	Building 4, Room 403 Wall	Friable	Good	See A244
202117-A-0248	12" x 12" Ceiling Tile with Hockey Puck Mastic	Building 4, Room 403 Wall	Friable	Good	See A244
202117-A-0249	12" x 12" Ceiling Tile with Hockey Puck Mastic	Building 5, Boys' Restroom	Friable	Good	4000 SF
202117-A-0250	12" x 12" Ceiling Tile with Hockey Puck Mastic	Building 5, Boys' Restroom	Friable	Good	See A249
202117-A-0251	12" x 12" Ceiling Tile with Hockey Puck Mastic	Building 5, Room 502 Walls	Friable	Good	See A249

Relinquished By:

Matthew Barra

Date: 8/18/20 **Time:** 4:30 PM

Samples Received By:

Date: **Time:**



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116

Turn Around Time (Circle One):

1 HR 2 HR 3 HR 6 HR

24 HR 48 HR 72 HR **5 DAY**

OTHER _____

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Project Number and Name:
Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
Matthew Barma

Project Address:
2301 Russell Street

City:
La Habra

Zip:
90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0252	12" x 12" Ceiling Tile with Hockey Puck Mastic	Building 5, Room 503 Walls	Friable	Good	See A249
202117-A-0253	12" x 12" Ceiling Tile with Hockey Puck Mastic	Building 5, Girls' Restroom	Friable	Good	See A249
202117-A-0254	Vapor Barrier (Interior)	Building 1, Room 102	Friable	Good	9001 SF
202117-A-0255	Vapor Barrier (Interior)	Building 1, Room 102	Friable	Good	See A254
202117-A-0256	Vapor Barrier (Interior)	Building 1, Room 102	Friable	Good	See A254
202117-A-0257	Vapor Barrier (Interior)	Building 1, Room 103	Friable	Good	See A254
202117-A-0258	Vapor Barrier (Interior)	Building 1, Room 101	Friable	Good	See A254
202117-A-0259	Vapor Barrier (Interior)	Building 1, Room 102	Friable	Good	See A254

Relinquished By:

Matthew Barma

Date: 8/18/20

Time: 4:30 PM

Samples Received By:

Date:

Time:



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
 24 HR 48 HR 72 HR **5 DAY**
 OTHER _____

Phone Number: (714) 434-6360
Fax Number: (714) 221-6360
Attn: Robert Williams
Results: Email to labs@atechinc.net

Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Mathew Barma

Project Address:
 2301 Russell Street

City:
 La Habra

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0260	Vapor Barrier (Interior)	Building 1, Room 104	Friable	Good	See A254
202117-A-0261	Vapor Barrier (Interior)	Building 2, Room 203	Friable	Good	9001 SF
202117-A-0262	Vapor Barrier (Interior)	Building 2, Room 203	Friable	Good	See A261
202117-A-0263	Vapor Barrier (Interior)	Building 2, Room 204	Friable	Good	See A261
202117-A-0264	Vapor Barrier (Interior)	Building 2, Room 203	Friable	Good	See A261
202117-A-0265	Vapor Barrier (Interior)	Building 2, Room 204	Friable	Good	See A261
202117-A-0266	Vapor Barrier (Interior)	Building 2, Room 202	Friable	Good	See A261
202117-A-0267	Vapor Barrier (Interior)	Building 2, Room 202	Friable	Good	See A261

Relinquished By:

Mathew Barma

Date: 8/8/20

Time: 4:30 PM

Samples Received By:

Date:

Time:



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116

Turn Around Time (Circle One):

1 HR 2 HR 3 HR 6 HR

24 HR 48 HR 72 HR **5 DAY**

OTHER _____

Phone Number: (714) 434-6360

Fax Number: (714) 221-6360

Attn: Robert Williams

Results: Email to labs@atechinc.net

Project Number and Name:
Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
Matthew Barma

Project Address:
2301 Russell Street

City:
La Habra

Zip:
90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0268	Vapor Barrier (Interior)	Building 3, Room 301	Friable	Good	9001 SF
202117-A-0269	Vapor Barrier (Interior)	Building 3, Room 302	Friable	Good	See A268
202117-A-0270	Vapor Barrier (Interior)	Building 3, Room 303	Friable	Good	See A268
202117-A-0271	Vapor Barrier (Interior)	Building 3, Room 304	Friable	Good	See A268
202117-A-0272	Vapor Barrier (Interior)	Building 3, Room 301	Friable	Good	See A268
202117-A-0273	Vapor Barrier (Interior)	Building 3, Room 301	Friable	Good	See A268
202117-A-0274	Vapor Barrier (Interior)	Building 3, Room 301	Friable	Good	See A268
202117-A-0275	Vapor Barrier (Interior)	Building 4, Room 403	Friable	Good	9001 SF

Relinquished By:

Date: 8/18/20

Time: 4:30 PM

Samples Received By:

Date:

Time:



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
 24 HR 48 HR 72 HR **5 DAY**
 OTHER _____

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Fax Number: (714) 221-6360
Attn: Robert Williams
Results: Email to labs@atechinc.net

Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Matthew Barma

Project Address:
 2301 Russell Street

City:
 La Habra

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0276	Vapor Barrier (Interior)	Building 4, Room 403	Friable	Good	See A275
202117-A-0277	Vapor Barrier (Interior)	Building 4, Room 403	Friable	Good	See A275
202117-A-0278	Vapor Barrier (Interior)	Building 4, Room 403	Friable	Good	See A275
202117-A-0279	Vapor Barrier (Interior)	Building 4, Room 401	Friable	Good	See A275
202117-A-0280	Vapor Barrier (Interior)	Building 4, Room 401	Friable	Good	See A275
202117-A-0281	Vapor Barrier (Interior)	Building 4, Room 401	Friable	Good	See A275
202117-A-0282	Vapor Barrier (Interior)	Building 5, Room 502	Friable	Good	9001 SF
202117-A-0283	Vapor Barrier (Interior)	Building 5, Room 502	Friable	Good	See 282

Relinquished By:

[Signature]

Date: 8/18/20

Time: 4:30 PM

Samples Received By:

Date:

Time:



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
 Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
 24 HR 48 HR 72 HR **5 DAY**
 OTHER _____

Phone Number: (714) 434-6360
 Fax Number: (714) 221-6360
 Attn: Robert Williams
 Results: Email to labs@atechinc.net

Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Matthew Barma

Project Address:
 2301 Russell Street

City:
 La Habra

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0284	Vapor Barrier (Interior)	Building 5, Room 502	Friable	Good	See 282
202117-A-0285	Vapor Barrier (Interior)	Building 5, Room 502	Friable	Good	See 282
202117-A-0286	Vapor Barrier (Interior)	Building 5, Room 503	Friable	Good	See 282
202117-A-0287	Vapor Barrier (Interior)	Building 5, Room 503	Friable	Good	See 282
202117-A-0288	Vapor Barrier (Interior)	Building 5, Room 503	Friable	Good	See 282

Relinquished By: *Matthew Barma*

Date: 8/18/20 **Time:** 4:30 PM

Samples Received By: _____

Date: _____ **Time:** _____



A-Tech Consulting, Inc.

20081909
CAGX Laboratory

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116

Turn Around Time (Circle One):

1 HR 2 HR 3 HR 6 HR
24 HR 48 HR 72 HR 5 DAY
OTHER

Phone Number: (714) 434-6360
Fax Number: (714) 221-6360
Attn: Robert Williams
Results: Email to labs@atechinc.net

Project Number and Name:
Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
Matthew Barra

Project Address:
2301 Russell Street

City:
La Habra, CA

Zip:
90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0289	Silver Rolled Roof	Portico Walkway, Roof Edges	Non-Friable	Good	900 SF
202117-A-0290	Silver Rolled Roof	Portico Walkway, Roof Edges	Non-Friable	Good	See A289
202117-A-0291	Silver Rolled Roof	Portico Walkway, Roof Edges	Non-Friable	Good	See A289
202117-A-0292	Rolled Roof	Portico Walkway, Roof	Non-Friable	Good	5050 SF
202117-A-0293	Rolled Roof	Portico Walkway, Roof	Non-Friable	Good	See A292
202117-A-0294	Rolled Roof	Portico Walkway, Roof	Non-Friable	Good	See A292
202117-A-0295	Rolled Roof	Portico Walkway, Roof	Non-Friable	Good	See A292
202117-A-0296	Rolled Roof	Portico Walkway, Roof	Non-Friable	Good	See A292

Relinquished By: *Matthew Barra*

Date: *8/19/20* Time: *3:30pm*

Samples Received By:

J.P.

Date: *8-19* Time: *3:30pm*

Asbestos Bulk Chain of Custody



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

MMW

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
1 HR 2 HR 3 HR 6 HR
~~24 HR~~ 48 HR 72 HR **5 DAY**
OTHER _____

Phone Number: (714) 434-6360
Fax Number: (714) 221-6360
Attn: Robert Williams
Results: Email to labs@atechinc.net

Project Number and Name:
Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
Mathew Barna

Project Address:
2301 Russell Street

City:
La Habra, CA

Zip:
90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0297	Rolled Roof	Portico Walkway, Roof	Non-Friable	Good	See A292
202117-A-0298	Rolled Roof	Portico Walkway, Roof	Non-Friable	Good	See A292
202117-A-0299	Black Roof Penetration Mastic	Portico Walkway, Roof, Northeast	Non-Friable	Good	150 SF
202117-A-0300	Black Roof Penetration Mastic	Portico Walkway, Roof, Northwest	Non-Friable	Good	See A299
202117-A-0301	Black Roof Penetration Mastic	Portico Walkway, Roof, Southwest	Non-Friable	Good	See A299
202117-A-0302	White Roof Penetration Mastic	Portico Walkway, Roof	Non-Friable	Good	200 SF
202117-A-0303	White Roof Penetration Mastic	Portico Walkway, Roof	Non-Friable	Good	See A302
202117-A-0304	White Roof Penetration Mastic	Portico Walkway, Roof	Non-Friable	Good	See A302

Relinquished By: *Mathew Barna*

Date: *8/17/20* Time: *3:30 pm*

Samples Received By: _____

Date: _____ Time: _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
 Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
 24 HR 48 HR 72 HR **5 XY**
 OTHER _____

Phone Number: (714) 434-6360
 Fax Number: (714) 221-6360
 Attn: Robert Williams
 Results: Email to labs@atechinc.net

Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Mathew Barba

Project Address:
 2301 Russell Street

City:
 La Habra, CA

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0305	Grey Roof Penetration Mastic	Portico Walkway, Roof	Non-Friable	Good	200 SF
202117-A-0306	Grey Roof Penetration Mastic	Portico Walkway, Roof	Non-Friable	Good	See 305
202117-A-0307	Grey Roof Penetration Mastic	Portico Walkway, Roof	Non-Friable	Good	See 305
202117-A-0308	Rolled Roof	Canopy 1, Roof	Non-Friable	Good	750 SF
202117-A-0309	Rolled Roof	Canopy 1, Roof	Non-Friable	Good	See 308
202117-A-0310	Rolled Roof	Canopy 1, Roof	Non-Friable	Good	See 308
202117-A-0311	Rolled Roof	Canopy 2, Roof	Non-Friable	Good	750 SF
202117-A-0312	Rolled Roof	Canopy 2, Roof	Non-Friable	Good	See 311

Relinquished By: Matthew Barba
 Date: 8/19/20 Time: 3:30pm

Samples Received By: _____ Date: _____ Time: _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116

Turn Around Time (Circle One):

1 HR 2 HR 3 HR 6 HR

24 HR 48 HR 72 HR **SPRAY**

OTHER

MB

Phone Number: (714) 434-6360
Fax Number: (714) 221-6360
Attn: Robert Williams
Results: Email to labs@atechinc.net

Project Number and Name: Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
Mathew Barma

Project Address:
2301 Russell Street

City:
La Habra, CA

Zip:
90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0313	Rollod Roof	Canopy 2, Roof	Non-Friable	Good	See 311
202117-A-0314	Stucco	Building 6, Exterior	Non-Friable	Good	4000 SF
202117-A-0315	Stucco	Building 6, Exterior	Non-Friable	Good	See 314
202117-A-0316	Stucco	Building 6, Exterior	Non-Friable	Good	See 314
202117-A-0317	Stucco	Building 6, Exterior	Non-Friable	Good	See 314
202117-A-0318	Stucco	Building 6, Exterior	Non-Friable	Good	See 314
202117-A-0319	Vapor Barrier Paper (Exterior)	Building 6, Exterior	Friable	Good	4000 SF
202117-A-0320	Vapor Barrier Paper (Exterior)	Building 6, Exterior	Friable	Good	See 319

Relinquished By:

Mathew Barma

Date: 8/19/20 Time: 3:30 pm

Samples Received By:

Date: Time:



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116

Turn Around Time (Circle One):

1 HR 2 HR 3 HR 6 HR

94 HR 48 HR 72 HR **5 DAY**

OTHER _____

Phone Number: (714) 434-6360

Fax Number: (714) 221-6360

Attn: Robert Williams

Results: Email to labs@atechinc.net

Project Number and Name:

Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):

Matthew Barra

Project Address:

2301 Russell Street

City:

La Habra, CA

Zip:

90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0321	Vapor Barrier Paper (Exterior)	Building 6, Exterior	Friable	Good	See 319
202117-A-0322	Vapor Barrier Paper (Exterior)	Building 6, Exterior	Friable	Good	See 319
202117-A-0323	Vapor Barrier Paper (Exterior)	Building 6, Exterior	Friable	Good	See 319
202117-A-0324	Grey Roof Penetration Mastic	Building 6, Roof	Non-Friable	Good	20 SF
202117-A-0325	Grey Roof Penetration Mastic	Building 6, Roof	Non-Friable	Good	See A324
202117-A-0326	Grey Roof Penetration Mastic	Building 6, Roof	Non-Friable	Good	See A324
202117-A-0327	Rolled Roof	Building 6, Roof	Non-Friable	Good	100 SF
202117-A-0328	Rolled Roof	Building 6, Roof	Non-Friable	Good	See 327

Relinquished By: *Matthew Barra*

Date: *8/15/20*

Time: *3:30pm*

Samples Received By: _____

Date: _____

Time: _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
 Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
 24 HR 48 HR 72 HR **5 DAY**
 OTHER

Phone Number: (714) 434-6360
 Fax Number: (714) 221-6360
 Attn: Robert Williams
 Results: Email to labs@atechinc.net

Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Matthew Barra

Project Address:
 2301 Russell Street

City:
 La Habra, CA

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0329	Rolled Roof	Building 6, Roof	Non-Friable	Good	See 327
202117-A-0330	Shingle Roof	Building 6, Roof	Non-Friable	Good	1050 SF
202117-A-0331	Shingle Roof	Building 6, Roof	Non-Friable	Good	See A330
202117-A-0332	Shingle Roof	Building 6, Roof	Non-Friable	Good	See A330
202117-A-0333	Shingle Roof	Building 6, Roof	Non-Friable	Good	See A330
202117-A-0334	Shingle Roof	Building 6, Roof	Non-Friable	Good	See A330
202117-A-0335	Rolled Roof	Storage Container 2, Roof	Non-Friable	Good	400 SF
202117-A-0336	Rolled Roof	Storage Container 2, Roof	Non-Friable	Good	See A336

Relinquished By: Matthew Barra

Date: 8/19/20 Time: 3:30pm

Samples Received By:

Date: Time:



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116

Turn Around Time (Circle One):

1 HR 2 HR 3 HR 6 HR

24 HR 48 HR 72 HR **5 DAY**

OTHER _____

NRB

X

Phone Number: (714) 434-6360

Fax Number: (714) 221-6360

Attn: Robert Williams

Results: Email to labs@atechinc.net

Project Number and Name:
Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
Matthew Barra

Project Address:
2301 Russell Street

City:
La Habra, CA

Zip:
90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0337	Rolled Roof	Storage Container 2, Roof	Non-Friable	Good	See A336
202117-A-0338	Rolled Roof	Storage Container 3, Roof	Non-Friable	Good	400 SF
202117-A-0339	Rolled Roof	Storage Container 3, Roof	Non-Friable	Good	See 338
202117-A-0340	Rolled Roof	Storage Container 3, Roof	Non-Friable	Good	See 338
202117-A-0341	Plaster on Buttonboard	Building 3, Girls' Restroom	Non-Friable	Good	7000 SF
202117-A-0342	Plaster on Buttonboard	Building 3, Electrical Room	Non-Friable	Good	See A341
202117-A-0343	Plaster on Buttonboard	Building 3, Girls' Restroom	Non-Friable	Good	See A431
202117-A-0344	Plaster on Buttonboard	Building 3, Girls' Restroom	Non-Friable	Good	See A431

Relinquished By:

Matthew Barra

Date:

8/19/20

Time:

3:30pm

Samples Received By:

Date:

Time:



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116

Turn Around Time (Circle One):

1 HR 2 HR 3 HR 6 HR
24 HR 48 HR 72 HR **3 DAY**
OTHER

Phone Number: (714) 434-6360

Fax Number: (714) 221-6360

Attn: Robert Williams

Results: Email to labs@atechinc.net

Project Number and Name:
Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
Matthew Barra

Project Address:
2301 Russell Street

City:
La Habra, CA

Zip:
90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0345	Plaster on Buttonboard	Building 3, Electrical Room	Non-Friable	Good	See A341
202117-A-0346	Plaster on Buttonboard	Building 3, Electrical Room	Non-Friable	Good	See A341
202117-A-0347	Plaster on Buttonboard	Building 3, Girls' Restroom	Non-Friable	Good	See A431
202117-A-0348	Plaster on Buttonboard	Building 4, Boys' Restroom	Non-Friable	Good	7000 SF
202117-A-0349	Plaster on Buttonboard	Building 4, Boys' Restroom	Non-Friable	Good	See A348
202117-A-0350	Plaster on Buttonboard	Building 4, Boys' Restroom	Non-Friable	Good	See A348
202117-A-0351	Plaster on Buttonboard	Building 4, Boys' Restroom	Non-Friable	Good	See A348
202117-A-0352	Plaster on Buttonboard	Building 4, Electrical Room	Non-Friable	Good	See A348

Relinquished By: *Matthew Barra*

Date: *8/19/20* Time: *3:30pm*

Samples Received By:

Date:

Time:



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116

Turn Around Time (Circle One):

1 HR 2 HR 3 HR 6 HR

4 HR 48 HR 72 HR **5 XY**

OTHER _____

MB

5 XY

Phone Number: (714) 434-6360
Fax Number: (714) 221-6360
Attn: Robert Williams
Results: Email to labs@atechinc.net

Project Number and Name:
Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
Matthew Barua

Project Address:
2301 Russell Street

City:
La Habra, CA

Zip:
90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0353	Plaster on Buttonboard	Building 4, Electrical Room	Non-Friable	Good	See A348
202117-A-0354	Plaster on Buttonboard	Building 4, Electrical Room	Non-Friable	Good	See A348
202117-A-0355	Plaster on Buttonboard	Building 5, Boys' Restroom	Non-Friable	Good	6000 SF
202117-A-0356	Plaster on Buttonboard	Building 5, Boys' Restroom	Non-Friable	Good	See 355
202117-A-0357	Plaster on Buttonboard	Building 5, Girls' Restroom	Non-Friable	Good	See 355
202117-A-0358	Plaster on Buttonboard	Building 5, Girls' Restroom	Non-Friable	Good	See 355
202117-A-0359	Plaster on Buttonboard	Building 5, Electrical Room	Non-Friable	Good	See 355
202117-A-0360	Plaster on Buttonboard	Building 5, Electrical Room	Non-Friable	Good	See 355

Relinquished By: *Matthew Barua*

Date: *8/19/20* Time: *3:30 pm*

Samples Received By: _____

Date: _____ Time: _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116

Turn Around Time (Circle One):

1 HR 2 HR 3 HR 6 HR

24 HR 48 HR 72 HR **5 DAY**

OTHER _____

Phone Number: (714) 434-6360

Fax Number: (714) 221-6360

Attn: Robert Williams

Results: Email to labs@atechinc.net

Project Number and Name:

Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):

Mathew Barma

Project Address:

2301 Russell Street

City:
La Habra, CA

Zip:
90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0361	Plaster on Buttonboard	Building 5, Electrical Room	Non-Friable	Good	See 355
202117-A-0362	Plaster on Buttonboard	Building 2, Girls' Restroom	Non-Friable	Good	7000 SF
202117-A-0363	Plaster on Buttonboard	Building 2, Girls' Restroom	Non-Friable	Good	See A362
202117-A-0364	Plaster on Buttonboard	Building 2, Electrical Room	Non-Friable	Good	See A362
202117-A-0365	Plaster on Buttonboard	Building 2, Girls' Restroom	Non-Friable	Good	See A362
202117-A-0366	Plaster on Buttonboard	Building 2, Electrical Room	Non-Friable	Good	See A362
202117-A-0367	Plaster on Buttonboard	Building 2, Girls' Restroom	Non-Friable	Good	See A362
202117-A-0368	Plaster on Buttonboard	Building 2, Electrical Room	Non-Friable	Good	See A362

Relinquished By:

Mathew Barma

Date: *8/19/20*

Time: *3:30pm*

Samples Received By:

Date: _____ Time: _____

Asbestos Bulk Chain of Custody



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116

Turn Around Time (Circle One):

1 HR 2 HR 3 HR 6 HR

~~24 HR~~ 48 HR 72 HR **5 XY**

OTHER _____

Phone Number: (714) 434-6360

Fax Number: (714) 221-6360

Attn: Robert Williams

Results: Email to labs@atechinc.net

Project Number and Name: Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name): Mathew Barna

Project Address: 2301 Russell Street

City: La Habra, CA

Zip: 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0369	Plaster on Buttonboard	Building 1, Boys' Restroom	Non-Friable	Good	7000 SF
202117-A-0370	Plaster on Buttonboard	Building 1, Boys' Restroom	Non-Friable	Good	See A369
202117-A-0371	Plaster on Buttonboard	Building 1, Boys' Restroom	Non-Friable	Good	See A369
202117-A-0372	Plaster on Buttonboard	Building 1, Boys' Restroom	Non-Friable	Good	See A369
202117-A-0373	Plaster on Buttonboard	Building 1, Electrical Room	Non-Friable	Good	See A369
202117-A-0374	Plaster on Buttonboard	Building 1, Electrical Room	Non-Friable	Good	See A369
202117-A-0375	Plaster on Buttonboard	Building 1, Electrical Room	Non-Friable	Good	See A369
202117-A-0376	Drywall with Joint Compound	Building 2, Electrical Room	Non-Friable	Good	950 SF

Relinquished By:

Mathew Barna

Date: *8/19/20*

Time: *3:30pm*

Samples Received By:

Date:

Time:



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116

Turn Around Time (Circle One):

1 HR 2 HR 3 HR 6 HR

24 HR 48 HR 72 HR **5 DAY**

OTHER _____

Phone Number: (714) 434-6360
Fax Number: (714) 221-6360
Attn: Robert Williams
Results: Email to labs@atechinc.net

Project Number and Name: Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name): Matthew Barina

Project Address: 2301 Russell Street

City: La Habra, CA

Zip: 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0377	Drywall with Joint Compound	Building 2, Electrical Room	Non-Friable	Good	See 370
202117-A-0378	Drywall with Joint Compound	Building 2, Electrical Room	Non-Friable	Good	See 370
202117-A-0379	Drywall with Joint Compound	Building 3, Girls' Restroom	Non-Friable	Good	1500 SF
202117-A-0380	Drywall with Joint Compound	Building 3, Girls' Restroom	Non-Friable	Good	See A379
202117-A-0381	Drywall with Joint Compound	Building 3, Girls' Restroom	Non-Friable	Good	See A379
202117-A-0382	Drywall with Joint Compound	Building 3, Electrical Room	Non-Friable	Good	See A379
202117-A-0383	Drywall with Joint Compound	Building 3, Electrical Room	Non-Friable	Good	See A379
202117-A-0384	Drywall with Joint Compound	Building 4, Boys' Restroom	Non-Friable	Good	1500 SF

Relinquished By:

Matthew Barina

Date: 8/11/20

Time: 3:53pm

Samples Received By:

Date:

Time:



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
 Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
 24 HR 48 HR 72 HR **5 XY**
 OTHER _____

Phone Number: (714) 434-6360
 Fax Number: (714) 221-6360
 Attn: Robert Williams
 Results: Email to labs@atechinc.net

Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Matthew Barma

Project Address:
 2301 Russell Street

City:
 La Habra, CA

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0385	Drywall with Joint Compound	Building 4, Boys' Restroom	Non-Friable	Good	See A384
202117-A-0386	Drywall with Joint Compound	Building 4, Electrical Room	Non-Friable	Good	See A384
202117-A-0387	Drywall with Joint Compound	Building 4, Electrical Room	Non-Friable	Good	See A384
202117-A-0388	Drywall with Joint Compound	Building 4, Electrical Room	Non-Friable	Good	See A384
202117-A-0389	Drywall with Joint Compound	Building 5, Boys' Restroom	Non-Friable	Good	1500 SF
202117-A-0390	Drywall with Joint Compound	Building 5, Boys' Restroom	Non-Friable	Good	See A389
202117-A-0391	Drywall with Joint Compound	Building 5, Girls' Restroom	Non-Friable	Good	See A389
202117-A-0392	Drywall with Joint Compound	Building 5, Girls' Restroom	Non-Friable	Good	See A389

Relinquished By: *Matthew Barma*

Date: *5/19/20* Time: *3:33pm*

Samples Received By: _____

Date: _____ Time: _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
 Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
 24 HR 48 HR 72 HR **5 XY**
 OTHER _____

Phone Number: (714) 434-6360
 Fax Number: (714) 221-6360
 Attn: Robert Williams
 Results: Email to labs@atechinc.net

Project Number and Name:
 Acl-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Matthew Barna

Project Address:
 2301 Russell Street

City:
 La Habra, CA

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0393	Drywall with Joint Compound	Building 5, Electrical Room	Non-Friable	Good	See A389
202117-A-0394	Drywall with Joint Compound	Building 6	Non-Friable	Good	950 SF
202117-A-0395	Drywall with Joint Compound	Building 6	Non-Friable	Good	See A394
202117-A-0396	Drywall with Joint Compound	Building 6	Non-Friable	Good	See A394
202117-A-0397	Drywall with Wall Panel Mastic	Building 7	Non-Friable	Good	1200 SF
202117-A-0398	Drywall with Wall Panel Mastic	Building 7	Non-Friable	Good	See A397
202117-A-0399	Drywall with Wall Panel Mastic	Building 7	Non-Friable	Good	See A397
202117-A-0400	Drywall with Wall Panel Mastic	Building 7	Non-Friable	Good	See A397

Relinquished By: Matthew Barna

Date: 8/19/20 Time: 3:30 pm

Samples Received By: _____

Date: _____ Time: _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116

Turn Around Time (Circle One):

1 HR 2 HR 3 HR 6 HR

24 HR 48 HR 72 HR **5 X**

OTHER

MB

~~24 HR~~ ~~48 HR~~ ~~72 HR~~ **5 X**

Phone Number: (714) 434-6360
Fax Number: (714) 221-6360
Attn: Robert Williams
Results: Email to labs@atechinc.net

Project Number and Name:
Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
Matthew Barra

Project Address:
2301 Russell Street

City:
La Habra, CA

Zip:
90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0401	Drywall with Wall Panel Mastic	Building 7	Non-Friable	Good	See A397
202117-A-0402	2x 4' Pins and Fissures Acoustic Ceiling Tile	Building 6	Non-Friable	Good	900 SF
202117-A-0403	2x 4' Pins and Fissures Acoustic Ceiling Tile	Building 6	Non-Friable	Good	See 402
202117-A-0404	2x 4' Pins and Fissures Acoustic Ceiling Tile	Building 6	Non-Friable	Good	See 402

Relinquished By:

Matthew Barra

Date: *8/19/20*

Time: *3:30pm*

Samples Received By:

Date:

Time:

Asbestos Bulk Chain of Custody



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

20082109
CAGX Laboratory

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
1 HR 2 HR 3 HR 6 HR
24 HR 48 HR 72 HR 5 DAY
OTHER _____

Phone Number: (714) 434-6360
Fax Number: (714) 221-6360
Attn: Robert Williams
Results: Email to labs@atechinc.net

Project Number and Name: Atch-202117 Lowell Joint School District Macy Elementary School	City: La Habra, CA	Sampled By (Print Full Name): Matthew Barra
Project Address: 2301 Russell Street	Zip: 90631	

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0405	2x 4' Pins and Fissures Acoustic Ceiling Tile	Building 7	Friable	Good	850
202117-A-0406	2x 4' Pins and Fissures Acoustic Ceiling Tile	Building 7	Friable	Good	See A405
202117-A-0407	2x 4' Pins and Fissures Acoustic Ceiling Tile	Building 7	Friable	Good	See A405
202117-A-0408	2x 4' Pins and Fissures Acoustic Ceiling Tile	Building 8	Friable	Good	850
202117-A-0409	2x 4' Pins and Fissures Acoustic Ceiling Tile	Building 8	Friable	Good	See A408
202117-A-0410	2x 4' Pins and Fissures Acoustic Ceiling Tile	Building 8	Friable	Good	See A408
202117-A-0411	2x 4' Pins and Fissures Acoustic Ceiling Tile	Building 9	Friable	Good	850
202117-A-0412	2x 4' Pins and Fissures Acoustic Ceiling Tile	Building 9	Friable	Good	See A411

Relinquished By:  **Date:** 8/21/20 **Time:** 15:30

Samples Received By: _____ **Date:** _____ **Time:** _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
 Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
 24 HR 48 HR 72 HR 5 DAY
 OTHER _____

Phone Number: (714) 434-6360
 Fax Number: (714) 221-6360
 Attn: Robert Williams
 Results: Email to labs@atechinc.net

Project Number and Name: Atch-202117 Lowell Joint School District Macy Elementary School	City: La Habra, CA	Sampled By (Print Full Name): Mathew Barma
Project Address: 2301 Russell Street	Zip: 90631	

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0413	2x 4' Pins and Fissures Acoustic Ceiling Tile	Building 9	Friable	Good	See A411
202117-A-0414	2x 4' Pins and Fissures Acoustic Ceiling Tile	Building 10	Friable	Good	850
202117-A-0415	2x 4' Pins and Fissures Acoustic Ceiling Tile	Building 10	Friable	Good	See A414
202117-A-0416	2x 4' Pins and Fissures Acoustic Ceiling Tile	Building 10	Friable	Good	See A414
202117-A-0417	Drywall with Wall Panel Mastic	Building 8	Non-Friable	Good	1200
202117-A-0418	Drywall with Wall Panel Mastic	Building 8	Non-Friable	Good	See A417
202117-A-0419	Drywall with Wall Panel Mastic	Building 8	Non-Friable	Good	See A417
202117-A-0420	Drywall with Wall Panel Mastic	Building 8	Non-Friable	Good	See 417

Relinquished By:  **Date:** 8/21/20 **Time:** 15:30

Samples Received By: _____ **Date:** _____ **Time:** _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
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Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Matthew Bama

Project Address:
 2301 Russell Street

City:
 La Habra, CA

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0421	Drywall with Wall Panel Mastic	Building 8	Non-Friable	Good	See 417
202117-A-0422	Drywall with Wall Panel Mastic	Building 9	Non-Friable	Good	1200
202117-A-0423	Drywall with Wall Panel Mastic	Building 9	Non-Friable	Good	See 422
202117-A-0424	Drywall with Wall Panel Mastic	Building 9	Non-Friable	Good	See 422
202117-A-0425	Drywall with Wall Panel Mastic	Building 9	Non-Friable	Good	See 422
202117-A-0426	Drywall with Wall Panel Mastic	Building 9	Non-Friable	Good	See A422
202117-A-0427	Drywall with Wall Panel Mastic	Building 10	Non-Friable	Good	1200
202117-A-0428	Drywall with Wall Panel Mastic	Building 10	Non-Friable	Good	See A427

Relinquished By:

Date:

5/21/20

Time:

15:30

Samples Received By:

Date:

Time:



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
 24 HR 48 HR 72 HR 5 DAY
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Attn: Robert Williams
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Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Mathew Barma

Project Address:
 2301 Russell Street

City:
 La Habra, CA

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0429	Drywall with Wall Panel Mastic	Building 10	Non-Friable	Good	See A427
202117-A-0430	Drywall with Wall Panel Mastic	Building 10	Non-Friable	Good	See A427
202117-A-0431	Drywall with Wall Panel Mastic	Building 10	Non-Friable	Good	See A427
202117-A-0432	9" Diameter Transite Pipe	Northeast Portico, Roof	Friable	Good	8
202117-A-0433	9" Diameter Transite Pipe	Northeast Portico, Roof	Friable	Good	See A432
202117-A-0434	9" Diameter Transite Pipe	Northeast Portico, Roof	Friable	Good	See A432
202117-A-0435	12"x 12" Pinhole Acoustic Ceiling Tile	MPPR	Friable	Good	5500
202117-A-0436	12"x 12" Pinhole Acoustic Ceiling Tile	MPPR	Friable	Good	See A435

Relinquished By:

Date:

8/21/20

Time:

1530

Samples Received By:

Date:

Time:



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Turn Around Time (Circle One):
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Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Matthew Barma

Project Address:
 2301 Russell Street

City:
 La Habra, CA

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0437	12"x 12" Pinhole Acoustic Ceiling Tile	MPR	Friable	Good	See A435
202117-A-0438	12"x 12" Pinhole Acoustic Ceiling Tile	MPR	Friable	Good	See A435
202117-A-0439	12"x 12" Pinhole Acoustic Ceiling Tile	MPR	Friable	Good	See A435
202117-A-0440	12"x 12" Pinhole Acoustic Ceiling Tile	MPR	Friable	Good	See A435
202117-A-0441	12"x 12" Pinhole Acoustic Ceiling Tile	MPR	Non-Friable	Good	See A435
202117-A-0442	12"x 12" Pins Acoustic Ceiling Tile	Admin	Friable	Good	900
202117-A-0443	12"x 12" Pins Acoustic Ceiling Tile	Admin	Friable	Good	See A442
202117-A-0444	12"x 12" Pins Acoustic Ceiling Tile	Admin	Friable	Good	See A442

Relinquished By:

[Signature]

Date: 8/21/15
Time: 1530

Samples Received By:

Date: _____
Time: _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
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 1 HR 2 HR 3 HR 6 HR
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Phone Number: (714) 434-6360
 Fax Number: (714) 221-6360
 Attn: Robert Williams
 Results: Email to labs@atechinc.net

Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Matthew Barra

Project Address:
 2301 Russell Street

City:
 La Habra, CA

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0445	12"x 12" Pins Acoustic Ceiling Tile	MPPR	Friable	Good	100
202117-A-0446	12"x 12" Pins Acoustic Ceiling Tile	MPPR	Friable	Good	See 444
202117-A-0447	12"x 12" Pins Acoustic Ceiling Tile	MPPR	Friable	Good	See 444
202117-A-0448	Plaster on Buttonboard	MPPR	Non-Friable	Good	7000
202117-A-0449	Plaster on Buttonboard	MPPR	Non-Friable	Good	See A448
202117-A-0450	Plaster on Buttonboard	MPPR	Non-Friable	Good	See A448
202117-A-0451	Plaster on Buttonboard	MPPR	Non-Friable	Good	See A448
202117-A-0452	Plaster on Buttonboard	MPPR	Non-Friable	Good	See A448

Relinquished By:

Date: 8/2/20

Time: 1530

Samples Received By:

Date:

Time:



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
 Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
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Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Matthew Bama

Project Address:
 2301 Russell Street

City:
 La Habra, CA

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0453	Plaster on Buttonboard	MPP	Non-Friable	Good	See A448
202117-A-0454	Plaster on Buttonboard	MPP	Non-Friable	Good	See A448
202117-A-0455	Plaster on Buttonboard	Admin	Non-Friable	Good	6000
202117-A-0456	Plaster on Buttonboard	Admin	Non-Friable	Good	See A455
202117-A-0457	Plaster on Buttonboard	Admin	Non-Friable	Good	See A455
202117-A-0458	Plaster on Buttonboard	Kindergarten	Non-Friable	Good	See A455
202117-A-0459	Plaster on Buttonboard	Kindergarten	Non-Friable	Good	See A455
202117-A-0460	Plaster on Buttonboard	Admin	Non-Friable	Good	See A455

Relinquished By:

Date:

8/21/20

Time:

1530

Samples Received By:

Date:

Time:



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
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 OTHER _____

Phone Number: (714) 434-6360
Fax Number: (714) 221-6360
Attn: Robert Williams
Results: Email to labs@atechinc.net

Project Number and Name: Atch-202117 Lowell Joint School District Macy Elementary School

Project Address: 2301 Russell Street
 City: La Habra, CA
 State: CA
 Zip: 90631

Sampled By (Print Full Name): Matthew Barma

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0461	Plaster on Buttonboard	Admin	Non-Friable	Good	See A455
202117-A-0462	Stucco	Admin (Exterior)	Non-Friable	Good	7000
202117-A-0463	Stucco	Kindergarten (Exterior)	Non-Friable	Good	See A462
202117-A-0464	Stucco	Kindergarten (Exterior)	Non-Friable	Good	See A462
202117-A-0465	Stucco	Kindergarten (Exterior)	Non-Friable	Good	See A462
202117-A-0466	Stucco	Kindergarten (Exterior)	Non-Friable	Good	See A462
202117-A-0467	Stucco	Admin (Exterior)	Non-Friable	Good	See A462
202117-A-0468	Stucco	Admin (Exterior)	Non-Friable	Good	See A462

Relinquished By:  Date: 8/21/20 Time: 1530
Samples Received By: _____ Date: _____ Time: _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
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 OTHER _____

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Fax Number: (714) 221-6360
Attn: Robert Williams
Results: Email to labs@atechinc.net

Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Matthew Barra

Project Address:
 2301 Russell Street

City:
 La Habra, CA

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0469	Drywall	MPR, Custodian Closet	Friable	Fair	900
202117-A-0470	Drywall	MPR, Custodian Closet	Friable	Fair	See A469
202117-A-0471	Drywall	MPR, Custodian Closet	Friable	Fair	See A469
202117-A-0472	2'x 4' Pins and Fissures Acoustic Ceiling Tile	Admin, Breakroom	Friable	Good	500
202117-A-0473	2'x 4' Pins and Fissures Acoustic Ceiling Tile	Admin, Breakroom	Friable	Good	See A472
202117-A-0474	2'x 4' Pins and Fissures Acoustic Ceiling Tile	Admin, Breakroom	Friable	Good	See A472
202117-A-0475	2'x 4' Pins and Fissures Acoustic Ceiling Tile	MPR, Kitchen	Friable	Good	300
202117-A-0476	2'x 4' Pins and Fissures Acoustic Ceiling Tile	MPR, Kitchen	Friable	Good	See 475

Relinquished By:

Date:

8/1/20

Time:

1530

Samples Received By:

Date:

Time:



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
 24 HR 48 HR 72 HR 5 DAY
 OTHER _____

Phone Number: (714) 434-6360
Fax Number: (714) 221-6360
Attn: Robert Williams
Results: Email to labs@atechinc.net

Project Number and Name: Atch-202117 Lowell Joint School District Macy Elementary School

Project Address: 2301 Russell Street
 City: La Habra, CA
 State: CA
 Zip: 90631

Sampled By (Print Full Name): Matthew Barra

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0477	2" x 4" Pins and Fissures Acoustic Ceiling Tile	MPPR, Kitchen	Friable	Good	See 475
202117-A-0478	Carpet Glue	Building 6, Room C	Non-Friable	Good	800
202117-A-0479	Carpet Glue	Building 6, Room A	Non-Friable	Good	See A478
202117-A-0480	Carpet Glue	Building 6, Room A	Non-Friable	Good	See A478
202117-A-0481	4" Blue Cove Base/Cove Base Mastic	Building 6, Room B	Non-Friable	Good	20
202117-A-0482	4" Blue Cove Base/Cove Base Mastic	Building 6, Room B	Non-Friable	Good	See A481
202117-A-0483	4" Blue Cove Base/Cove Base Mastic	Building 6, Room B	Non-Friable	Good	See A481
202117-A-0484	4" Brown Cove Base/Cove Base Mastic	Building 6, Room A	Non-Friable	Good	15

Relinquished By:

Date: 8/24/20
Time: 1530

Samples Received By: _____

Date: _____
Time: _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
 Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
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Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Mathew Barma

Project Address:
 2301 Russell Street

City:
 La Habra, CA

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0485	4" Brown Cove Base/Cove Base Mastic	Building 6, Room A	Non-Friable	Good	See A484
202117-A-0486	4" Brown Cove Base/Cove Base Mastic	Building 6, Room A	Non-Friable	Good	See A484
202117-A-0487	Drywall with Mastic	Admin	Friable	Good	4000
202117-A-0488	Drywall with Mastic	Admin	Friable	Good	See A487
202117-A-0489	Drywall with Mastic	Admin	Friable	Good	See A487
202117-A-0490	Drywall with Mastic	Admin	Friable	Good	See A487
202117-A-0491	Drywall with Mastic	Admin	Friable	Good	See A487
202117-A-0492	Vapor Barrier (Exterior)	Admin	Friable	Good	9000

Relinquished By:

Date: 8/21/20

Time: 1530

Samples Received By:

Date:

Time:



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

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Project Number and Name: Atch-202117 Lowell Joint School District Macy Elementary School	Sampled By (Print Full Name): Matthew Barra
Project Address: 2301 Russell Street	City: La Habra, CA
	Zip: 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0493	Vapor Barrier (Exterior)	Admin	Friable	Good	See A492
202117-A-0494	Vapor Barrier (Exterior)	Admin	Friable	Good	See A492
202117-A-0495	Vapor Barrier (Exterior)	Kindergarten	Friable	Good	See A492
202117-A-0496	Vapor Barrier (Exterior)	Kindergarten	Friable	Good	See A492
202117-A-0497	Vapor Barrier (Exterior)	Kindergarten	Friable	Good	See A492
202117-A-0498	Vapor Barrier (Exterior)	Admin	Friable	Good	See A492
202117-A-0499	Vapor Barrier (Interior)	Admin	Friable	Good	6000
202117-A-0500	Vapor Barrier (Interior)	Kindergarten	Friable	Good	See A499

Relinquished By: _____ **Date:** 8/14/20 **Time:** 1530
Samples Received By: _____ **Date:** _____ **Time:** _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

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Turn Around Time (Circle One):
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Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0501	Vapor Barrier (Interior)	Kindergarten	Friable	Good	See A499
202117-A-0502	Vapor Barrier (Interior)	Kindergarten	Friable	Good	See A499
202117-A-0503	Vapor Barrier (Interior)	Admin	Friable	Good	See A499
202117-A-0504	Vapor Barrier (Interior)	Admin	Friable	Good	See A499
202117-A-0505	Vapor Barrier (Interior)	Admin	Friable	Good	See A499
202117-A-0506	2'x 4' Gypsum Ceiling Tile	Portable Restroom	Friable	Good	900
202117-A-0507	2'x 4' Gypsum Ceiling Tile	Portable Restroom	Friable	Good	See A506
202117-A-0508	2'x 4' Gypsum Ceiling Tile	Portable Restroom	Friable	Good	See A506

Relinquished By:

[Signature]

Date:

8/21/02

Time: *1530*

Samples Received By:

Date:

Time:



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

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 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0509	FRP Panel	Portable Restroom	Non-Friable	Good	2000
202117-A-0510	FRP Panel	Portable Restroom	Non-Friable	Good	See A509
202117-A-0511	FRP Panel	Portable Restroom	Non-Friable	Good	See A509
202117-A-0512	FRP Panel	Portable Restroom	Non-Friable	Good	See A509
202117-A-0513	FRP Panel	Portable Restroom	Non-Friable	Good	See A509
202117-A-0514	6" Brown Cove Base/Cove Base Mastic	Portable Restrooms	Non-Friable	Good	20
202117-A-0515	6" Brown Cove Base/Cove Base Mastic	Portable Restrooms	Non-Friable	Good	See 514
202117-A-0516	6" Brown Cove Base/Cove Base Mastic	Portable Restrooms	Non-Friable	Good	See 514

Relinquished By:

Date: 6/21/20 **Time:** 5:30

Samples Received By:

Date: _____ **Time:** _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
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Project Number and Name: Atch-202117 Lowell Joint School District Macy Elementary School

Project Address: 2301 Russell Street

City: La Habra, CA

Sampled By (Print Full Name): Mathew Barma
Zip: 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0517	Drywall with Joint Compound	Admin, Break Room	Non-Friable	Good	1500
202117-A-0518	Drywall with Joint Compound	Admin, Break Room	Non-Friable	Good	See A517
202117-A-0519	Drywall with Joint Compound	Admin, Break Room	Non-Friable	Good	See A517
202117-A-0520	Drywall with Joint Compound	Admin, Break Room	Non-Friable	Good	See A517
202117-A-0521	Drywall with Joint Compound	Admin, Break Room	Non-Friable	Good	See A517
202117-A-0522	Vibration Collar	MPPR Attic	Non-Friable	Good	10
202117-A-0523	Vibration Collar	MPPR Attic	Non-Friable	Good	10
202117-A-0524	Vibration Collar	MPPR Attic	Non-Friable	Good	10

Relinquished By:  **Date:** 8/21/02 **Time:** 1530

Samples Received By: _____ **Date:** _____ **Time:** _____



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ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116

Turn Around Time (Circle One):

1 HR 2 HR 3 HR 6 HR

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OTHER _____

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Fax Number: (714) 221-6360

Attn: Robert Williams

Results: Email to labs@atechinc.net

Project Number and Name:
Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
Matthew Barna

Project Address:
2301 Russell Street

City:
La Habra, CA

Zip:
90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0525	Thermal System Insulation Pipe Run (TSI)	MPP, Attic	Friable	Fair	50
202117-A-0526	Thermal System Insulation Pipe Run (TSI)	MPP, Attic	Friable	Fair	See A525
202117-A-0527	Thermal System Insulation Pipe Run (TSI)	MPP, Attic	Friable	Fair	See A525
202117-A-0528	Thermal System Insulation Elbow	MPP, Custodian Closet	Friable	Fair	10
202117-A-0529	Thermal System Insulation Elbow	MPP, Custodian Closet	Friable	Fair	See 528
202117-A-0530	Thermal System Insulation Elbow	MPP, Custodian Closet	Friable	Fair	See 528
202117-A-0531	Thermal System Insulation 4" Pipe Run (TSI)	MPP, Custodian Closet	Friable	Fair	10
202117-A-0532	Thermal System Insulation 4" Pipe Run (TSI)	MPP, Custodian Closet	Friable	Fair	See A531

Relinquished By:

Date:

8/21/20

Time:

1530

Samples Received By:

Date:

Time:



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
 24 HR 48 HR 72 HR 5 DAY
 OTHER _____

Phone Number: (714) 434-6360
Fax Number: (714) 221-6360
Attn: Robert Williams
Results: Email to labs@atechinc.net

Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Matthew Barina

Project Address:
 2301 Russell Street

City:
 La Habra, CA

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0533	Thermal System Insulation 4" Pipe Run (TSI)	MPPR, Custodian Closet	Friable	Fair	See A531
202117-A-0534	Thermal System Insulation Elbow	MPPR, Attic	Friable	Fair	10
202117-A-0535	Thermal System Insulation Elbow	MPPR, Attic	Friable	Fair	See A534
202117-A-0536	Thermal System Insulation Elbow	MPPR, Attic	Friable	Fair	See A534
202117-A-0537	Thermal System Insulation 4" Pipe Run	Admin, Attic	Friable	Fair	30
202117-A-0538	Thermal System Insulation 4" Pipe Run	Admin, Attic	Friable	Fair	See 537
202117-A-0539	Thermal System Insulation 4" Pipe Run	Admin, Attic	Friable	Fair	See 537
202117-A-0540	Thermal System Insulation Elbow	Admin, Attic	Friable	Good	10

Relinquished By:

Date: 8/21/20 **Time:** 1530

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 Turn Around Time (Circle One):
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Project Number and Name:
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Sampled By (Print Full Name):
 Matthew Barra

Project Address:
 2301 Russell Street

City:
 La Habra, CA

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0541	Thermal System Insulation Elbow	Admin, Attic	Friable	Good	See A540
202117-A-0542	Thermal System Insulation Elbow	Admin, Attic	Friable	Good	See A540
202117-A-0543	Concrete	Exterior	Non-Friable	Good	50,000
202117-A-0544	Concrete	Exterior	Non-Friable	Good	See A543
202117-A-0545	Concrete	Exterior	Non-Friable	Good	See A543
202117-A-0546	Concrete	Exterior	Non-Friable	Good	See A543
202117-A-0547	Concrete	Exterior	Non-Friable	Good	See A543
202117-A-0548	Concrete	Exterior	Non-Friable	Good	See A543

Relinquished By:

Date: 8/21/20

Time: 1530

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Date: _____

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Asbestos Bulk Chain of Custody



A-Tech Consulting, Inc.

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Analysis: PLM-BULK EPA 600/R-93/116
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Project Number and Name:
 Aich-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Mathew Barra

Project Address:
 2301 Russell Street

City:
 La Habra, CA

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0549	Concrete	Exterior	Non-Friable	Good	See A543
202117-A-0550	Carpet Glue over Resilient Flooring	Kindergarten	Non-Friable	Good	4000
202117-A-0551	Carpet Glue over Resilient Flooring	Kindergarten	Non-Friable	Good	See A550
202117-A-0552	Carpet Glue over Resilient Flooring	Kindergarten	Non-Friable	Good	See A550
202117-A-0553	Carpet Glue over Resilient Flooring	Kindergarten	Non-Friable	Good	See A550
202117-A-0554	Carpet Glue over Resilient Flooring	Kindergarten	Non-Friable	Good	See A550
202117-A-0555	9"x 9" Brown with Rainbow Speckles Resilient Flooring/Resilient Floor Mastic	Kindergarten	Non-Friable	Good	2000
202117-A-0556	9"x 9" Brown with Rainbow Speckles Resilient Flooring/Resilient Floor Mastic	Kindergarten	Non-Friable	Good	See A555

Relinquished By: _____

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A-Tech Consulting, Inc.

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Project Number and Name: Atch-202117 Lowell Joint School District Macy Elementary School


Project Address: 2301 Russell Street

City: La Habra, CA

Zip: 90631

Sampled By (Print Full Name): Matthew Barma

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0557	9"x 9" Brown with Rainbow Speckles Resilient Flooring/Resilient Floor Mastic	Kindergarten	Non-Friable	Good	See A555
202117-A-0558	9"x 9" Brown with Rainbow Speckles Resilient Flooring/Resilient Floor Mastic	Kindergarten	Non-Friable	Good	See A555
202117-A-0559	9"x 9" Brown with Rainbow Speckles Resilient Flooring/Resilient Floor Mastic	Kindergarten	Non-Friable	Good	See A555
202117-A-0560	9"x 9" Light Tan with Speckles Resilient Flooring/Resilient Floor Mastic	Kindergarten	Non-Friable	Good	200
202117-A-0561	9"x 9" Light Tan with Speckles Resilient Flooring/Resilient Floor Mastic	Kindergarten	Non-Friable	Good	See A560
202117-A-0562	9"x 9" Light Tan with Speckles Resilient Flooring/Resilient Floor Mastic	Kindergarten	Non-Friable	Good	See A560
202117-A-0563	9"x 9" Dark Tan Resilient Flooring/Resilient Floor Mastic	Kindergarten	Non-Friable	Good	200

Relinquished By:  **Date:** 8/21/20 **Time:** 1530

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Project Number and Name: Atch-202117 Lowell Joint School District Macy Elementary School

Project Address: 2301 Russell Street City: La Habra, CA

Zip: 90631

Sampled By (Print Full Name): Matthew Barma

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0564	9" x 9" Dark Tan Resilient Flooring/Resilient Floor Mastic	Kindergarten	Non-Friable	Good	See A563
202117-A-0565	9" x 9" Dark Tan Resilient Flooring/Resilient Floor Mastic	Kindergarten	Non-Friable	Good	See A563
202117-A-0566	9" x 9" Tan Resilient Flooring/Resilient Floor Mastic	Kindergarten	Non-Friable	Good	200
202117-A-0567	9" x 9" Tan Resilient Flooring/Resilient Floor Mastic	Kindergarten	Non-Friable	Good	See A566
202117-A-0568	9" x 9" Tan Resilient Flooring/Resilient Floor Mastic	Kindergarten	Non-Friable	Good	See 566
202117-A-0569	9" x 9" Brown Tan Streaked Resilient Flooring/Resilient Floor Mastic	Building 1, Room 103	Non-Friable	Good	250
202117-A-0570	9" x 9" Brown Tan Streaked Resilient Flooring/Resilient Floor Mastic	Building 1, Room 103	Non-Friable	Good	See 569
202117-A-0571	9" x 9" Brown Tan Streaked Resilient Flooring/Resilient Floor Mastic	Building 1, Room 103	Non-Friable	Good	See 569

Relinquished By:  Date: 8/21/20 Time: 1530

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 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0572	Floor Mastic				
202117-A-0572	9" x 9" Light Brown with Tan Streak Resilient Flooring/Resilient Floor Mastic	Building 1, Room 104	Non-Friable	Good	250
202117-A-0573	9" x 9" Light Brown with Tan Streak Resilient Flooring/Resilient Floor Mastic	Building 1, Room 104	Non-Friable	Good	See 572
202117-A-0574	9" x 9" Light Brown with Tan Streak Resilient Flooring/Resilient Floor Mastic	Building 1, Room 104	Non-Friable	Good	See 572
202117-A-0575	9" x 9" Light Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 1, Room 104	Non-Friable	Good	250
202117-A-0576	9" x 9" Light Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 1, Room 104	Non-Friable	Good	See A575
202117-A-0577	9" x 9" Light Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 1, Room 103	Non-Friable	Good	See A575

Relinquished By:

Date: 8/21/20

Time: 1530

Samples Received By:

Date:

Time:

Asbestos Bulk Chain of Custody



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

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Project Number and Name: Atch-202117 Lowell Joint School District Macy Elementary School	Sampled By (Print Full Name): Mathew Barma
Project Address: 2301 Russell Street	City: La Habra, CA
	Zip: 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0578	9" x 9" Dark Gray with Pink Streak Resilient Flooring/Resilient Floor Mastic	Building 1, Room 103	Non-Friable	Good	250
202117-A-0579	9" x 9" Dark Gray with Pink Streak Resilient Flooring/Resilient Floor Mastic	Building 1, Room 104	Non-Friable	Good	See A578
202117-A-0580	9" x 9" Dark Gray with Pink Streak Resilient Flooring/Resilient Floor Mastic	Building 1, Room 103	Non-Friable	Good	See A578
202117-A-0581	9" x 9" Green Resilient Flooring/Resilient Floor Mastic	Building 1, Room 102	Non-Friable	Good	250
202117-A-0582	9" x 9" Green Resilient Flooring/Resilient Floor Mastic	Building 1, Room 103	Non-Friable	Good	See A581
202117-A-0583	9" x 9" Green Resilient Flooring/Resilient Floor Mastic	Building 1, Room 103	Non-Friable	Good	See A581
202117-A-0584	9" x 9" Orange Resilient Flooring/Resilient Floor Mastic	Building 1, Room 103	Non-Friable	Good	250
202117-A-0585	9" x 9" Orange Resilient Flooring/Resilient Floor Mastic	Building 1, Room 103	Non-Friable	Good	See 584

Relinquished By:  **Date:** 8/21/20 **Time:** 1530

Samples Received By: _____ **Date:** _____ **Time:** _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

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 OTHER _____

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Results: Email to labs@atechinc.net

Project Number and Name: Atch-202117 Lowell Joint School District Macy Elementary School	Sampled By (Print Full Name): Matthew Barra
Project Address: 2301 Russell Street	City: La Habra, CA
	Zip: 90631

Sample Number	Material	Sample Locations	Friability	Concl.	Est. Qty.
202117-A-0586	9" x 9" Orange Resilient Flooring/Resilient Floor Mastic	Building 1, Room 102	Non-Friable	Good	See 584
202117-A-0587	9" x 9" Dark Tan with Speckles Flooring/Resilient Floor Mastic	Building 1, Room 102	Non-Friable	Good	250
202117-A-0588	9" x 9" Dark Tan with Speckles Flooring/Resilient Floor Mastic	Building 1, Room 102	Non-Friable	Good	See A587
202117-A-0589	9" x 9" Dark Tan with Speckles Flooring/Resilient Floor Mastic	Building 1, Room 102	Non-Friable	Good	See A587
202117-A-0590	9" x 9" Light Tan with Speckles Flooring/Resilient Floor Mastic	Building 1, Room 102	Non-Friable	Good	250
202117-A-0591	9" x 9" Light Tan with Speckles Flooring/Resilient Floor Mastic	Building 1, Room 102	Non-Friable	Good	See 590
202117-A-0592	9" x 9" Light Tan with Speckles Flooring/Resilient Floor Mastic	Building 1, Room 102	Non-Friable	Good	See 590

Relinquished By:  **Date:** 6/21/00 **Time:** 1530

Samples Received By: _____ **Date:** _____ **Time:** _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
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 OTHER _____

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Fax Number: (714) 221-6360
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Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Matthew Barra

Project Address:
 2301 Russell Street

City:
 La Habra, CA

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0593	12"x 12" Orange Resilient Flooring/Resilient Floor Mastic	Building 1, Room 103	Non-Friable	Good	250
202117-A-0594	12"x 12" Orange Resilient Flooring/Resilient Floor Mastic	Building 1, Room 103	Non-Friable	Good	See 593
202117-A-0595	12"x 12" Orange Resilient Flooring/Resilient Floor Mastic	Building 1, Room 103	Non-Friable	Good	See 593
202117-A-0596	3" Black Cove Base/Cove Base Mastic	Building 5, Room 501	Friable	Good	30
202117-A-0597	3" Black Cove Base/Cove Base Mastic	Building 5, Room 502	Friable	Good	See A596
202117-A-0598	3" Black Cove Base/Cove Base Mastic	Building 5, Room 501	Friable	Good	See A596
202117-A-0599	9"x 9" Dark Grey Streaked Resilient Flooring/Resilient Floor Mastic	Building 5, Room 501	Non-Friable	Good	250
202117-A-0600	9"x 9" Dark Grey Streaked Resilient Flooring/Resilient Floor Mastic	Building 5, Room 501	Non-Friable	Good	See 599

Relinquished By:

[Signature]

Date: 8/21/20
Time: 1530

Samples Received By:

Date: _____
Time: _____

Asbestos Bulk Chain of Custody



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

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Sampled By (Print Full Name):
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 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0601	Floor Mastic	Building 5, Room 501	Non-Friable	Good	See 599
202117-A-0602	9" x 9" Dark Grey Streaked Resilient Flooring/Resilient Floor Mastic	Building 5, Room 501	Non-Friable	Good	250
202117-A-0603	9" x 9" Light Grey Streaked Resilient Flooring/Resilient Floor Mastic	Building 5, Room 501	Non-Friable	Good	See A602
202117-A-0604	9" x 9" Light Grey Streaked Resilient Flooring/Resilient Floor Mastic	Building 5, Room 501	Non-Friable	Good	See A602
202117-A-0605	Carpet Glue over Resilient Flooring	Building 5, Room 502	Non-Friable	Good	5001
202117-A-0606	Carpet Glue over Resilient Flooring	Building 5, Room 502	Non-Friable	Good	See A605
202117-A-0607	Carpet Glue over Resilient Flooring	Building 5, Room 502	Non-Friable	Good	See A605

Relinquished By:

Date: 6/21/20
Time: 1530

Samples Received By:

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Asbestos Bulk Chain of Custody



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Project Number and Name: Atch-202117 Lowell Joint School District Macy Elementary School	City: La Habra, CA	Sampled By (Print Full Name): Matthew Barma
Project Address: 2301 Russell Street	Zip: 90631	

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0608	Carpet Glue over Resilient Flooring	Building 5, Room 502	Non-Friable	Good	See A605
202117-A-0609	Carpet Glue over Resilient Flooring	Building 5, Room 503	Non-Friable	Good	See A605
202117-A-0610	Carpet Glue over Resilient Flooring	Building 5, Room 503	Non-Friable	Good	See A605
202117-A-0611	Carpet Glue over Resilient Flooring	Building 5, Room 503	Non-Friable	Good	See A605
202117-A-0612	9" x 9" Brown with White Streaks Resilient Flooring/Resilient Floor Mastic	Building 2, Room 202	Non-Friable	Good	2500
202117-A-0613	9" x 9" Brown with White Streaks Resilient Flooring/Resilient Floor Mastic	Building 2, Room 202	Non-Friable	Good	See A612
202117-A-0614	9" x 9" Brown with White Streaks Resilient Flooring/Resilient Floor Mastic	Building 2, Room 202	Non-Friable	Good	See A612
202117-A-0615	9" x 9" Brown with White Streaks Resilient Flooring/Resilient Floor Mastic	Building 2, Room 202	Non-Friable	Good	See A612

Relinquished By:  **Date:** 5/2/20 **Time:** 1530

Samples Received By: _____ **Date:** _____ **Time:** _____



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Project Number and Name: Atch-202117 Lowell Joint School District Macy Elementary School	City: La Habra, CA	Sampled By (Print Full Name): Matthew Barra
Project Address: 2301 Russell Street	Zip: 90631	

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0616	9"x 9" Brown with White Streaks Resilient Flooring/Resilient Floor Mastic	Building 2, Room 202	Non-Friable	Good	See A612
202117-A-0617	9"x 9" Tan Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Room 202	Non-Friable	Good	250
202117-A-0618	9"x 9" Tan Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Room 202	Non-Friable	Good	See A617
202117-A-0619	9"x 9" Tan Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Room 202	Non-Friable	Good	See A617
202117-A-0620	9"x 9" Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Room 202	Non-Friable	Good	250
202117-A-0621	9"x 9" Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Room 202	Non-Friable	Good	See 620
202117-A-0622	9"x 9" Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Room 202	Non-Friable	Good	See 620

Relinquished By:  **Date:** 8/21/20 **Time:** 1530
Samples Received By: _____ **Date:** _____ **Time:** _____



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Project Number and Name: Atch-202117 Lowell Joint School District Macy Elementary School	Sampled By (Print Full Name): Matthew Barra
Project Address: 2301 Russell Street	City: La Habra, CA
	Zip: 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0623	9" x 9" White with Blue Streaks Resilient Flooring/Resilient Floor Mastic	Building 2, Room 202	Friable	Good	250
202117-A-0624	9" x 9" White with Blue Streaks Resilient Flooring/Resilient Floor Mastic	Building 2, Room 202	Friable	Good	See 623
202117-A-0625	9" x 9" White with Blue Streaks Resilient Flooring/Resilient Floor Mastic	Building 2, Room 202	Friable	Good	See 623
202117-A-0626	9" x 9" Dark Gray with Pink Streaks Resilient Flooring/Resilient Floor Mastic	Building 2, Room 202	Non-Friable	Good	250
202117-A-0627	9" x 9" Dark Gray with Pink Streaks Resilient Flooring/Resilient Floor Mastic	Building 2, Room 202	Non-Friable	Good	See 626
202117-A-0628	9" x 9" Dark Gray with Pink Streaks Resilient Flooring/Resilient Floor Mastic	Building 2, Room 202	Non-Friable	Good	See 626
202117-A-0629	9" x 9" White Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Room 202	Non-Friable	Good	250

Relinquished By:  **Date:** 8/21/02 **Time:** 1550

Samples Received By: _____ **Date:** _____ **Time:** _____



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Sampled By (Print Full Name):
 Matthew Bama

Project Address:
 2301 Russell Street

City:
 La Habra, CA

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0630	9"x 9" White Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Room 202	Non-Friable	Good	See 629
202117-A-0631	9"x 9" White Speckled Resilient Flooring/Resilient Floor Mastic	Building 2, Room 202	Non-Friable	Good	See 629
202117-A-0632	9"x 9" Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Room 401	Non-Friable	Good	250
202117-A-0633	9"x 9" Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Room 401	Non-Friable	Good	See A632
202117-A-0634	9"x 9" Brown Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Room 401	Non-Friable	Good	See A632
202117-A-0635	9"x 9" Grey with White Streaks Resilient Flooring/Resilient Floor Mastic	Building 4, Room 402	Non-Friable	Good	300
202117-A-0636	9"x 9" Grey with White Streaks Resilient Flooring/Resilient Floor Mastic	Building 4, Room 402	Non-Friable	Good	See A635

Relinquished By:

Date:

8/21/20

Time:

1530

Samples Received By:

Date:

Time:



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
 Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
 24 HR 48 HR 72 HR 5 DAY
 OTHER _____

Phone Number: (714) 434-6360
 Fax Number: (714) 221-6360
 Attn: Robert Williams
 Results: Email to labs@atechinc.net

Project Number and Name: Acb-202117 Lowell Joint School District Macy Elementary School		Sampled By (Print Full Name): Matthew Barma	
Project Address: 2301 Russell Street		City: La Habra, CA	Zip: 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0637	9" x 9" Grey with White Streaks Resilient Flooring/Resilient Floor Mastic	Building 4, Room 402	Non-Friable	Good	See A635
202117-A-0638	9" x 9" White with Blue Streaks Resilient Flooring/Resilient Floor Mastic	Building 4, Room 403	Non-Friable	Good	250
202117-A-0639	9" x 9" White with Blue Streaks Resilient Flooring/Resilient Floor Mastic	Building 4, Room 403	Non-Friable	Good	See A638
202117-A-0640	9" x 9" White with Blue Streaks Resilient Flooring/Resilient Floor Mastic	Building 4, Room 403	Non-Friable	Good	See A638
202117-A-0641	9" x 9" Orange Resilient Flooring/Resilient Floor Mastic	Building 4, Room 403	Non-Friable	Good	250
202117-A-0642	9" x 9" Orange Resilient Flooring/Resilient Floor Mastic	Building 4, Room 403	Non-Friable	Good	See 641
202117-A-0643	9" x 9" Orange Resilient Flooring/Resilient Floor Mastic	Building 4, Room 403	Non-Friable	Good	See 641
202117-A-0644	2.5" Cove Base/Cove Base Mastic	Building 4, Room 401	Non-Friable	Good	25

Relinquished By:  **Date:** 8/2/12 **Time:** 1530

Samples Received By: _____ **Date:** _____ **Time:** _____

Asbestos Bulk Chain of Custody



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
 Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
 24 HR 48 HR 72 HR 5 DAY
 OTHER _____

Phone Number: (714) 434-6360
 Fax Number: (714) 221-6360
 Attn: Robert Williams
 Results: Email to labs@atechinc.net

Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Matthew Barra

Project Address:
 2301 Russell Street

City:
 La Habra, CA

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0645	2.5" Cove Base/Cove Base Mastic	Building 4, Room 401	Non-Friable	Good	See A644
202117-A-0646	2.5" Cove Base/Cove Base Mastic	Building 4, Room 401	Non-Friable	Good	See A644
202117-A-0647	9" x 9" Grey Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Room 401	Non-Friable	Good	300
202117-A-0648	9" x 9" Grey Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Room 401	Non-Friable	Good	See 647
202117-A-0649	9" x 9" Grey Streaked Resilient Flooring/Resilient Floor Mastic	Building 4, Room 401	Non-Friable	Good	See 647
202117-A-0650	9" x 9" Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 4, Room 401	Non-Friable	Good	300
202117-A-0651	9" x 9" Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 4, Room 401	Non-Friable	Good	See 650

Relinquished By:

Date: 8/21/20
 Time: 1530

Samples Received By:

Date: _____
 Time: _____

Asbestos Bulk Chain of Custody



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
 24 HR 48 HR 72 HR 5 DAY
 OTHER _____

Phone Number: (714) 434-6360
Fax Number: (714) 221-6360
Attn: Robert Williams
Results: Email to labs@atechinc.net

Project Number and Name: Atch-202117 Lowell Joint School District Macy Elementary School	Sampled By (Print Full Name): Matthew Barma
Project Address: 2301 Russell Street	City: La Habra, CA
	Zip: 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0652	9" x 9" Gray Speckled Resilient Flooring/Resilient Floor Mastic	Building 4, Room 401	Non-Friable	Good	See 650
202117-A-0653	9" x 9" Light Tan Resilient Flooring/Resilient Floor Mastic	Building 4, Room 403	Non-Friable	Good	300
202117-A-0654	9" x 9" Light Tan Resilient Flooring/Resilient Floor Mastic	Building 4, Room 403	Non-Friable	Good	See A653
202117-A-0655	9" x 9" Light Tan Resilient Flooring/Resilient Floor Mastic	Building 4, Room 403	Non-Friable	Good	See A653
202117-A-0656	9" x 9" Tan Resilient Flooring/Resilient Floor Mastic	Building 4, Room 402	Non-Friable	Good	300
202117-A-0657	9" x 9" Tan Resilient Flooring/Resilient Floor Mastic	Building 4, Room 402	Non-Friable	Good	See 656
202117-A-0658	9" x 9" Tan Resilient Flooring/Resilient Floor Mastic	Building 4, Room 402	Non-Friable	Good	See 656
202117-A-0659	12" x 12" White Resilient Flooring/Resilient Floor Mastic	Building 4, Room 401	Friable	Good	300

Relinquished By:  **Date:** 8/21/20 **Time:** 1530

Samples Received By: _____ **Date:** _____ **Time:** _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116
Turn Around Time (Circle One):
 1 HR 2 HR 3 HR 6 HR
 24 HR 48 HR 72 HR 5 DAY
 OTHER _____

Phone Number: (714) 434-6360
Fax Number: (714) 221-6360
Attn: Robert Williams
Results: Email to labs@atechinc.net

Project Number and Name:
 Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):
 Matthew Barra

Project Address:
 2301 Russell Street

City:
 La Habra, CA

Zip:
 90631

Sample Number	Material	Sample Locations	Friability	Cond.	Est. Qty.
202117-A-0660	12"x 12" White Resilient Flooring/Resilient Floor Mastic	Building 4, Room 401	Friable	Good	See A659
202117-A-0661	12"x 12" White Resilient Flooring/Resilient Floor Mastic	Building 4, Room 402	Non-Friable	Good	300
202117-A-0662	9"x 9" Grey with Pink Streaks Resilient Flooring/Resilient Floor Mastic	Building 4, Room 402	Non-Friable	Good	300
202117-A-0663	9"x 9" Grey with Pink Streaks Resilient Flooring/Resilient Floor Mastic	Building 4, Room 402	Non-Friable	Good	See A662
202117-A-0664	9"x 9" Grey with Pink Streaks Resilient Flooring/Resilient Floor Mastic	Building 4, Room 402	Non-Friable	Good	See A662
202117-A-0665	Debris	MPPR, Attic	Friable	Poor	20
202117-A-0666	Debris	MPPR, Attic	Friable	Poor	See A665
202117-A-0667	Debris	MPPR, Attic	Friable	Poor	See A665

Relinquished By:

[Signature]

Date: *8/21/20* **Time:** *1530*

Samples Received By:

Date: *8/21/20* **Time:** _____



A-Tech Consulting, Inc.

ASBESTOS FIELD BULK SAMPLE CHAIN OF CUSTODY

Analysis: PLM-BULK EPA 600/R-93/116

Turn Around Time (Circle One):

1 HR 2 HR 3 HR 6 HR

24 HR 48 HR 72 HR 5 DAY

OTHER _____

Phone Number: (714) 434-6360

Fax Number: (714) 221-6360

Attn: Robert Williams

Results: Email to labs@atechinc.net

Project Number and Name:

Atch-202117 Lowell Joint School District Macy Elementary School

Sampled By (Print Full Name):

Matthew Barma

Project Address:

2301 Russell Street

City:
La Habra, CA

Zip:
90631

Relinquished By:

Date:

8/21/20

Time:

1530

Samples Received By:

Date:

Time:

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

Alan Fregoso

Name

Certification No. 19-6611

Expires on 11/13/20

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.



BE IT KNOWN TO ALL CONCERNED THAT

Alan Fregoso

HAS SUCCESSFULLY COMPLETED A

NIOSH 582 EQUIVALENCY COURSE

The course included: Airborne Fiber Sampling, Temperature & Pressure Corrections of Air Sample Flow Rates, Calibration & Alignment of Optical Microscopy, Evaluation of Air Sampling Data and NIOSH Method 7400 Fiber Counting Rules

ON

September 28, 2019

Certificate No. ATCH-N582-1627

Instructor: Joshua LaPrease

1748 W. Katella Avenue, Suite 112, Orange, CA 92867
Phone (714) 434-6360 ▲ Fax (714) 221-6360
Web Address: www.atechinc.net

Certificate of Training

This Certifies that

Alan Fregoso

has successfully completed 8 hours training entitled

Asbestos Contractor/Supervisor Refresher

Section 206 of TSCA Title II (AHERA)

This is an annual certification. It must be renewed.

Environmental
Safety
Training
Professionals Ltd.

3140 Gold Camp Drive #130
Rancho Cordova, CA 95670
Phone 916 638-5550
Fax 916 638-5551
Division Approval #CA-006-04

I.D. #: 2067
Certification #: 27225
Course Date: 10/19/19

Expiration Date: 10/19/20

By Brandy Snider
Authorized Signature: Brandy Snider

Certificate of Training

This Certifies that

Alan Fregoso

has successfully completed 4 hours training entitled

Asbestos Building Inspector Refresher

Toxic Substances Control Act, Title II (AHERA)

This is an annual certification. It must be renewed.

Environmental
Safety
Training
Professionals Ltd.

3140 Gold Camp Drive #130
Rancho Cordova, CA 95670
Phone 916 638-5550
Fax 916 638-5551
Division Approval #CA-006-06

I.D. #: 2067
Certification #: 27181
Course Date: 10/20/19

Expiration Date: 10/20/20

By Brandy Snider
Authorized Signature: Brandy Snider



STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH



LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:



Alan Fregoso

CERTIFICATE TYPE:

Lead Sampling Technician

NUMBER:

LRC-00005216

EXPIRATION DATE:

1/27/2021

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD.

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



Matthew C Barna
 Name

Certification No. 19-6738

Expires on 01/15/21

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



STATE OF CALIFORNIA
 DEPARTMENT OF PUBLIC HEALTH





LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
 Matthew Barna	Lead Sampling Technician	LRC-00003243	10/1/2020

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD.

Certificate of Training

This Certifies that
Matthew Barna
 has successfully completed 8 hours training entitled
Asbestos Contractor/Supervisor Refresher
 Section 206 of TSCA Title II (AHERA)
This is an annual certification. It must be renewed.

Environmental Safety Training Professionals Ltd.

By 
Authorized Signature: Brandy Snider

3140 Gold Camp Drive #130
 Rancho Cordova, CA 95670
 Phone 916 638-5550
 Fax 916 638-5551
 Division Approval #CA-006-04

I.D. #: 3427
 Certification #: 27217
 Course Date: 10/19/19
 Expiration Date: 10/19/20

Certificate of Training

This Certifies that
Matthew Barna
 has successfully completed 4 hours training entitled
Asbestos Building Inspector Refresher
 Toxic Substances Control Act, Title II (AHERA)
This is an annual certification. It must be renewed.

Environmental Safety Training Professionals Ltd.

By 
Authorized Signature: Brandy Snider

3140 Gold Camp Drive #130
 Rancho Cordova, CA 95670
 Phone 916 638-5550
 Fax 916 638-5551
 Division Approval #CA-006-06

I.D. #: 3427
 Certification #: 27172
 Course Date: 10/20/19
 Expiration Date: 10/20/19

Certificate of Training

This Certifies that
Matthew Barna
 has successfully completed 4 hours training entitled
Asbestos Management Planner Refresher
 Toxic Substances Control Act, Title II (AHERA)
This is an annual certification. It must be renewed.

Environmental Safety Training Professionals Ltd.

By 
Authorized Signature: Brandy Snider

3140 Gold Camp Drive #130
 Rancho Cordova, CA 95670
 Phone 916 638-5550
 Fax 916 638-5551
 Division Approval #CA-006-08

I.D. #: 3427
 Certification #: 27203
 Course Date: 10/20/19
 Expiration Date: 10/20/20



A-Tech Consulting, Inc.

BE IT KNOWN TO ALL CONCERNED THAT

Matthew Barna

HAS SUCCESSFULLY COMPLETED A

NIOSH 582 EQUIVALENCY COURSE

The course included: Airborne Fiber Sampling, Temperature & Pressure Corrections of Air Sample Flow Rates, Calibration & Alignment of Optical Microscopy, Evaluation of Air Sampling Data and NIOSH Method 7400 Fiber Counting Rules

ON

September 28, 2019

Certificate No. ATCH-N582-1526

Instructor: 



1748 W. Katella Avenue, Suite 112, Orange, CA 92667
 Phone (714) 434-6360 A Fax (714) 221-6360
 Web Address: www.atechinc.net

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

Robert L. Williams, Sr

Name
Certification No. **96-1980**
Expires on **07/15/21**

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



STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH



LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
	Lead Inspector/Assessor	LRC-0004572	12/10/2020
Robert Williams	Lead Project Monitor	LRC-0004571	12/10/2020

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD.

Certificate of Training

This Certifies that
Robert L. Williams

has successfully completed 8 hours training entitled
Asbestos Contractor/Supervisor Refresher

Section 206 of TSCA Title II (AHERA)
This is an annual certification. It must be renewed.

Environmental
Safety
Training
Professionals Ltd.

3140 Gold Camp Drive #130
Rancho Cordova, CA 95670
Phone 916 638-5550
Fax 916 638-5551
Division Approval #CA-006-04

I.D. #: 8269
Certification #: 27208
Course Date: 10/19/19

Expiration Date: 10/19/20

By Brandy Snider
Authorized Signature: Brandy Snider

Certificate of Training

This Certifies that
Robert L. Williams

has successfully completed 8 hours training entitled
Asbestos Project Designer Refresher

Toxic Substances Control Act, Title II (AHERA)
This is an annual certification. It must be renewed.

Environmental
Safety
Training
Professionals Ltd.

3140 Gold Camp Drive #130
Rancho Cordova, CA 95670
Phone 916 638-5550
Fax 916 638-5551
Division Approval #CA-006-11

I.D. #: 8269
Certification #: 27231
Course Date: 10/18/19

Expiration Date: 10/18/20

By Brandy Snider
Authorized Signature: Brandy Snider

Certificate of Training

This Certifies that
Robert L. Williams

has successfully completed 4 hours training entitled
Asbestos Building Inspector Refresher

Toxic Substances Control Act, Title II (AHERA)
This is an annual certification. It must be renewed.

Environmental
Safety
Training
Professionals Ltd.

3140 Gold Camp Drive #130
Rancho Cordova, CA 95670
Phone 916 638-5550
Fax 916 638-5551
Division Approval #CA-006-06

I.D. #: 8269
Certification #: 27163
Course Date: 10/20/19

Expiration Date: 10/20/20

By Brandy Snider
Authorized Signature: Brandy Snider

Certificate of Training

This Certifies that
Robert L. Williams

has successfully completed 4 hours training entitled
Asbestos Management Planner Refresher

Toxic Substances Control Act, Title II (AHERA)
This is an annual certification. It must be renewed.

Environmental
Safety
Training
Professionals Ltd.

3140 Gold Camp Drive #130
Rancho Cordova, CA 95670
Phone 916 638-5550
Fax 916 638-5551
Division Approval #CA-006-08

I.D. #: 8269
Certification #: 27194
Course Date: 10/20/19

Expiration Date: 10/20/20

By Brandy Snider
Authorized Signature: Brandy Snider



American Council for
Accredited Certification

hereby certifies that

Robert L. Williams, Sr.

has met all the specific standards and qualifications of the re-certification process, including continued professional development, and is hereby re-certified as a



Council-certified
Indoor Environmental Consultant

This certificate expires on June 30, 2021.

Charles F. Wilks

Charles F. Wilks, Executive Director

1506014

Certificate Number

This certificate remains the property of the American Council for Accredited Certification.



Cover

LEAD

I. Executive Summary

- 1.0 Introduction
- 2.0 Scope of Assessment
- 3.0 Property Description/Historical Description
- 4.0 Inspector's Qualifications
- 5.0 Testing Methodology
- 6.0 Testing Protocol
- 7.0 Summary of Results
- 8.0 Conclusions and Recommendations
- 9.0 Limitations

II. Appendices

- A. Tables: Lead XRF Table
- B. Diagrams: Site Diagram
- C. Digital Photographs
- D. DPH 8552 Form

Atch-202117
Limited XRF-Lead Assessment
2301 Russell Street
La Habra, California 90631

August 28, 2020

Lowell Joint School District
11019 Valley Home Avenue
Whittier, California 90603

Attn: Mr. David Bennett

Re: Macy Elementary School
2301 Russell Street
La Habra, California 90631

Pursuant to your request, A-Tech Consulting, Inc. performed a Limited XRF-Lead Assessment at Macy Elementary School, 2301 Russell Street, in La Habra, California. The following report summarizes all findings and results of this inspection.

1.0 INTRODUCTION

A-Tech was contacted by Mr. David Bennett with Lowell Joint School District to confirm the presence or absence of lead. This report presents the results for the Limited XRF-Lead Assessment at Macy Elementary School located at 2301 Russell Street, (subject property/site), in La Habra, California. The limited inspection was performed in accordance with Environmental Protection Agency (EPA) and California Occupational Safety and Health (CAL-OSHA) requirements, utilizing United States Housing and Urban Development (HUD) protocols. The scope of services, inspection methodology and results are presented herein. The sampling was conducted by Alan Fregoso - CDPH Sampling Technician #LRC-00005216 and Matthew Barna - CDPH Sampling Technician #LRC-00003243 on August 12, 2020 to August 14, 2020 and August 17, 2020 to August 20, 2020. This report does not represent a HUD level inspection. This report is not intended to be a comprehensive assessment.

2.0 SCOPE OF ASSESSMENT

The purpose of this Limited XRF-Lead Assessment is to identify and assess lead containing material (LCM) present at the subject property with the potential impact during upcoming renovation/demolition activities. The intent of the assessment is to ascertain the presence of lead-based paint at or above 1.0 mg/cm².

3.0 PROPERTY DESCRIPTION/HISTORICAL DATA

The subject property inspected consists of a one-story, elementary school with plaster on buttonboard or drywall with joint compound interior and stucco exterior, built on a concrete slab foundation. At the time of the inspection, it was observed that the surfaces tested in the inspected areas are in intact condition. The build date is unknown.

4.0 INSPECTOR'S QUALIFICATIONS

The inspectors who conducted the site sampling/assessment are state certified California Department of Public Health (CA-DPH) Sampling Technicians, have completed an EPA sponsored curriculum in the Lead Sampling Technician Training, and have attended the manufacturer's radiation safety course for operation and handling of the XRF instrument.

At the time of this report, the California Department of Public Health, Childhood Lead Poisoning Branch, has implemented a State Certification and Model Accreditation Plan adopted from the Environmental Protection Agency (EPA).

5.0 TESTING METHODOLOGY

The method employed for testing painted surfaces was with an X-ray fluorescence (XRF) analyzer. A-Tech Consulting, Inc. utilized a Viken Pb200i X-Ray fluorescence (XRF) lead paint analyzer to sample paint for lead content. XRF Instruments serial #2455 and #2700 were used for this project. Each instrument was calibrated to the manufacturer's specifications and was also periodically verified against the National Institute of Standards and Testing (NIST) Standard Reference Material (SRM) 2579 lead film (1.0 mg/cm²). The instrument was in-control at all times for the wood zero standard and NIST SRM lead standard.

A visual inspection consisting of a walkthrough of the subject site was conducted to determine the presence of suspect LCM components that were readily accessible and/or exposed. This included the identification of suspect lead-based painted components, ceramic tile, glazed components, etc. and the determination of the condition of those components. All coated surfaces, including but not limited to painted, varnished, and glazed surfaces, were tested for lead content.

6.0 TESTING PROTOCOL

Testing was conducted in accordance with Chapter 7 of the Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing as published by HUD in 2012. XRF readings were obtained on representative painted surfaces on each building component in each room equivalent. The HUD definition of lead-based paint is equal to or greater than 1.0 mg/cm². All XRF readings below the regulatory definition are considered negative and all readings at and above this level are considered positive.

7.0 SUMMARY OF RESULTS

According to the XRF findings, the following components tested positive for the presence of lead at or above 1.0 mg/cm².

<u>Sample Number</u>	<u>Area</u>	<u>Component</u>	<u>Substrate</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm²</u>	<u>Est. Qty.</u>
202117-X-0065	Building 4, Exterior	Flashing	Metal	C	Blue	3.5	20 LF
202117-X-0214	Kindergarten, Exterior	Water Fountain	Porcelain	A	White	27.3	1 EA
202117-X-0215	Kindergarten, Exterior	Painted Line on Floor	Concrete	A	Yellow	1.6	75 LF
202117-X-0228	Kindergarten, Exterior	Painted Line on Floor	Concrete	C	Yellow	2.5	See 0215
202117-X-0240	Administration Building, Exterior	Bracket	Metal	A	Off-White	3.0	1 EA
202117-X-0287	Multi-Purpose Building, Exterior	Vent	Metal	D	Blue	1.0	48 SF
202117-X-0300	Multi-Purpose Building, Exterior	Painted Line on Floor	Concrete	D	Yellow	2.5	5 LF
202117-X-0446	Building 3, Classroom 301	Sink	Porcelain	A	White	26.8	4 EA
202117-X-0462	Building 3, Classroom 302	Sink	Porcelain	A	White	34.0	See 0446
202117-X-0478	Building 3, Classroom 303	Sink	Porcelain	A	White	29.0	See 0446
202117-X-0494	Building 3, Classroom 302	Sink	Porcelain	A	White	38.5	See 0446
202117-X-0532	Building 4, Classroom 401	Sink	Porcelain	A	White	26.8	4 EA

<u>Sample Number</u>	<u>Area</u>	<u>Component</u>	<u>Substrate</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Est. Qty.</u>
202117-X-0548	Building 4, Classroom 402	Sink	Porcelain	A	White	26.8	See 0532
202117-X-0564	Building 4, Classroom 403	Sink	Porcelain	A	White	26.8	See 0532
202117-X-0580	Building 4, Classroom 404	Sink	Porcelain	A	White	26.8	See 0532
202117-X-0604	Building 4, Room 406, Custodian	Mop Sink	Porcelain	D	White	30.0	1 EA
202117-X-0624	Building 5, Classroom 502	Sink	Porcelain	A	White	26.8	2 EA
202117-X-0639	Building 5, Classroom 503	Sink	Porcelain	A	White	26.8	See 0624
202117-X-0677	Building 5, Room 508, Custodian	Mop Sink	Porcelain	D	White	29.0	2 EA
202117-X-0683	Building 5, Room 509, Storage	Mop Sink	Porcelain	B	White	38.0	See 0677
202117-X-0694	Building 1, Classroom 101	Sink	Porcelain	A	White	31.0	4 EA
202117-X-0709	Building 1, Classroom 102	Sink	Porcelain	A	White	31.0	See 0694
202117-X-0725	Building 1, Classroom 103	Sink	Porcelain	A	White	31.0	See 0694
202117-X-0741	Building 1, Classroom 104	Sink	Porcelain	A	White	31.0	See 0694
202117-X-0764	Building 1, Room 106, Custodian	Mop Sink	Porcelain	C	White	29.0	1 EA
202117-X-0775	Building 2, Classroom 201	Sink	Porcelain	A	White	31.0	4 EA
202117-X-0791	Building 2, Classroom 202	Sink	Porcelain	A	White	31.0	See 0775
202117-X-0807	Building 2, Classroom 203	Sink	Porcelain	A	White	31.0	See 0775
202117-X-0823	Building 2, Classroom 204	Sink	Porcelain	A	White	31.0	See 0775
202117-X-0872	Kindergarten, Room 1	Sink	Porcelain	D	White	29.0	3 EA
202117-X-0873	Kindergarten, Room 1 and Room 2	Sink	Porcelain	A	White	27.0	See 0872
202117-X-0881	Kindergarten, Room 2	Sink	Porcelain	B	White	29.0	See 0872
202117-X-0900	Administration Building, Nurse's Office	Sink	Porcelain	B	White	25.0	1 EA
202117-X-0941	Administration Building, Exterior	Painted Line on Floor	Concrete	A	Yellow	1.1	40 LF
202117-X-0943	Building 3, Classroom 301	Painted Line on Floor	Concrete	D	Yellow	1.5	20 LF
202117-X-0944	Building 3, Classroom 302	Painted Line on Floor	Concrete	D	Yellow	1.4	See 0943

<u>Sample Number</u>	<u>Area</u>	<u>Component</u>	<u>Substrate</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm²</u>	<u>Est. Qty.</u>
202117-X-0945	Building 3, Classroom 303	Painted Line on Floor	Concrete	D	Yellow	1.1	See 0943
202117-X-0946	Building 3, Classroom 304	Painted Line on Floor	Concrete	D	Yellow	1.2	See 0943
202117-X-0947	Building 4, Classroom 401	Painted Line on Floor	Concrete	D	Yellow	1.1	20 LF
202117-X-0948	Building 4, Classroom 402	Painted Line on Floor	Concrete	D	Yellow	1.4	See 0947
202117-X-0949	Building 4, Classroom 403	Painted Line on Floor	Concrete	D	Yellow	1.0	See 0947
202117-X-0950	Building 4, Classroom 404	Painted Line on Floor	Concrete	D	Yellow	1.7	See 0947
202117-X-0951	Building 5, Room 501, Library	Painted Line on Floor	Concrete	D	Yellow	1.5	15 LF
202117-X-0952	Building 5, Room 501, Library	Painted Line on Floor	Concrete	D	Yellow	1.4	See 0951
202117-X-0953	Building 5, Classroom 503	Painted Line on Floor	Concrete	D	Yellow	1.0	See 0951
202117-X-0955	Building 1, Classroom 102	Painted Line on Floor	Concrete	D	Yellow	1.0	15 LF
202117-X-0956	Building 1, Classroom 103	Painted Line on Floor	Concrete	D	Yellow	1.0	See 0955
202117-X-0957	Building 1, Classroom 104	Painted Line on Floor	Concrete	D	Yellow	1.1	See 0955
202117-X-0958	Building 2, Classroom 201	Painted Line on Floor	Concrete	D	Yellow	1.1	20 LF
202117-X-0959	Building 2, Classroom 202	Painted Line on Floor	Concrete	D	Yellow	1.0	See 0958
202117-X-0960	Building 2, Classroom 203	Painted Line on Floor	Concrete	D	Yellow	1.0	See 0958
202117-X-0961	Building 2, Classroom 204	Painted Line on Floor	Concrete	D	Yellow	1.4	See 0958
202117-X-0967	Portico (Near Multi-Purpose Building)	Flashing	Metal	A	Blue	3.0	50 LF
202117-X-0969	Portico (Near Multi-Purpose Building)	Flashing	Metal	B	Blue	3.0	5 LF
202117-X-0971	Portico (Near Multi-Purpose Building)	Flashing	Metal	C	Blue	3.0	5 LF

Please refer to Attachment A Lead XRF Table for detailed sample information.

Samples represent all materials that are similar (homogenous). If a testing combination is found positive in one location, it is presumed to be positive in all other locations. Therefore, you cannot continue sampling to rebut an original positive finding, unless there is plausible evidence that the suspected material was constructed and/or replaced at a later time.

8.0 CONCLUSIONS AND RECOMMENDATIONS

CAL-OSHA considers levels at 1.0 mg/cm² (5,000 ppm HUD) and greater to be an exposure risk to lead containing material and can result in a substantial worker exposure during construction, demolition, etc. CAL-OSHA's current level for objective data/negative determination is 600 ppm. However, anyone performing trigger tasks, regardless of the level of lead, as outlined in 29 CFR 1926.62 and Title 8 CCR 1532.1 can reasonably assume risk of lead exposure. Work activities which may lead to any amount of lead exposure must be conducted in accordance with safe lead work practices, current regulatory guidelines, and current proper protective equipment protocols. Additionally, this was not a comprehensive assessment of the building and any stabilization/removal of materials or areas not assessed would require additional sampling.

Lead is a hazardous substance and poses a health risk when impacted, damaged or sufficiently deteriorated to produce respirable/digestible dust. If lead based/containing components are to be impacted during work activities including but not limited to, sanding, chipping, demolition, renovation and/or construction, specifications should incorporate detailed methodology for proper stabilization and/or removal of the lead surfaces. Anyone performing trigger tasks, regardless of the level of lead, as outlined in 29 CFR 1926.62 and Title 8 CCR 1532.1 can reasonably assume risk of lead exposure. Work activities which may lead to any amount of lead exposure must be conducted in accordance with safe lead work practices, current regulatory guidelines, and current proper protective equipment protocols.

For any materials that will remain in place a Lead Management Program should be prepared and implemented to avoid incidental, and/or accidental disturbance of LCM, present at the subject site. The program should set forth operational and maintenance guidelines to minimize lead consumption or exposures that may be caused by age, normal wear and tear, delamination, building maintenance, repairs, renovation and other activities that may impact LCM. Further assessments should be scheduled with a licensed Risk Assessor/Inspector on an annual basis, to ensure LCM conditions remain stable. Any signs of paint deterioration should be immediately stabilized. Note that under Section 302 of the Lead-Based Paint Poisoning Prevention Act (LBPPPA), LCM hazards equal to or greater than 0.5% by weight (5,000 ppm) or 1.0 mg/cm² must be abated.

Any work activities that may exceed the CAL-OSHA action level of lead particles of 30 micrograms per cubic meter (ug/m³) or air for an 8 hour time weighted average must comply with CAL-OSHA requirements. Any work activities meeting or exceeding the CAL-OSHA Permissible Exposure Limit of exposure to lead particles of ug/m³ of air shall comply with Title 8 CCR 1532.1-Lead Construction Standard. All workers and supervisors shall be trained by a state-accredited training provider and certified by the CA-DPH (worker or supervisor certified). All employee exposure monitoring must be adhered to in accordance with CAL-OSHA requirements.

LCM that is intact and is not damaged or delaminating can be disposed of as construction debris as long as it is attached to its original substrate subsequent to proper waste characterization/stream analysis (TTLC, STLC and TCLP). However, appropriate work practices and worker protection must be utilized.

9.0 LIMITATIONS

The conclusions presented in this report are professional opinions based solely upon visual observations at the site and laboratory analysis of the tested samples. They are intended exclusively for the purpose outlined herein, and for the site location and project indicated.

This limited inspection was planned, developed, and implemented based on A-Tech's scope of services approved by the client. This limited inspection was conducted in compliance with current regulatory protocols. A-Tech utilized state-of-the-art-practices and techniques in accordance with regulatory standards, while performing this limited inspection. A-Tech's evaluation of the relative risk of exposure to lead, identified during this limited inspection, is based on conditions observed at the time of the limited inspection.

A-Tech cannot be responsible for changing conditions that may alter the relative exposure risk or for future changes in accepted methodology. The floor plans and actual test results for each of the tested areas are contained within this report. **Lead quantities are estimates only (see Lead Tables-Est. Qty.) Exact quantities should be verified by the abatement contractor prior to stabilization/removal.**

This assessment report is not specifications for lead abatement and it should not be used as a stand-alone lead abatement bid document. Recognizing that even the most comprehensive assessment may fail to detect lead at a particular site, this study was not intended to identify all potential LCM's present in the building or at the site for such reasons as the possible existence of buried, covered and inaccessible areas and features. A-Tech does not warrant that all sub-surface, wall cavity or other inaccessible materials were tested. A-Tech did not test any live electrical components or disassemble operational building equipment such as fans or HVAC components. These components may contain untested suspect LCM's. If any suspect LCM's not tested herein are discovered, they must be tested prior to impact.

A-Tech assumes no responsibility for the identification of suspect LCM's, which were not included in the client's scope of work or were concealed and/or inaccessible (i.e. locked rooms, under carpet, etc.) However, A-Tech makes every attempt possible to test all designated areas for lead (i.e. check under carpeting, inspect attic, crawl space, etc.). A-Tech assumes no responsibility for the identification of "atypical" LCM, used in the construction trade.

There are potential liabilities associated with the presence, and removal, of LCM. Precautionary measures, as outlined herein, should be taken in accordance with the guidelines set forth by the EPA, CAL-OSHA and other regulatory agencies.

Services performed by A-Tech were conducted in a manner above the care and skill ordinarily and currently exercised by members of the same profession that even the most comprehensive scope of services might fail to detect environmental liabilities on a particular site. Therefore, A-Tech cannot act as insurers and cannot "certify" that a site is free of environmental contamination.


No expressed or implied representation or warranty is included or intended in our reports, except that our services were performed, within the limits prescribed by the Scope of Services, with the customary thoroughness and competence of our profession.

This report is intended for the sole use of the contracted Client and its authorized representatives. The exchange of information was unique between A-Tech and the client regarding the mutually agreed upon scope of service. Unless explicitly authorized in this report, no third party is beneficiary to the contract or findings of this report. The unauthorized use or reliance of this document or the findings, conclusion or recommendations presented herein, by any other party or parties is at the sole risk of any such third party. For the same reasons, no warranties or representations, expressed or implied in this report, are provided to any such third party.

Information and opinions presented herein apply to the existing and reasonable foreseeable site conditions at the time of our investigation. They cannot necessarily apply to site changes of which this office is unaware and have not had the opportunity to review. Changes in the conditions of this property may occur with time due to natural processes or works of man on the subject property or on adjacent properties. Changes in applicable standards may also occur as a result of legislation or the broadening of knowledge. Accordingly, the findings of this report may be invalidated, wholly or in part by changes beyond our control.

A-Tech representatives are prepared to meet with your staff, to further discuss this project, upon your request. A-Tech trusts that the information presented herein provides the data you require. Should you have any questions or comments please contact A-Tech Consulting, Inc. at (800) 434-1025.

Respectfully submitted,
A-Tech Consulting, Inc.


Robert L. Williams, DPH, CAC, CIEC
Certified Lead Inspector/Assessor #LRC-00004572

XRF-Lead Assay

Client Name: Lowell Joint School District

A-Tech Project Number: 202117

Location: Macy Elementary School, 2301 Russell Street

<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm²</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0001	Calibration	-	NIST	-	-	-	-	1.1	-	-	-
202117-X-0002	Calibration	-	NIST	-	-	-	-	1.1	-	-	-
202117-X-0003	Calibration	-	NIST	-	-	-	-	1.1	-	-	-
202117-X-0004	Building 3, Exterior	-	Wall	Stucco	Negative	A	Tan	0.0	Intact	N/A	N/A
202117-X-0005	Building 3, Exterior	-	Wall	Stucco	Negative	A	Blue	0.1	Intact	N/A	N/A
202117-X-0006	Building 3, Exterior	-	Door	Wood	Negative	A	Blue	0.3	Intact	N/A	N/A
202117-X-0007	Building 3, Exterior	-	Door Frame	Wood	Negative	A	Blue	0.3	Intact	N/A	N/A
202117-X-0008	Building 3, Exterior	-	Door Jamb	Wood	Negative	A	Blue	0.3	Intact	N/A	N/A
202117-X-0009	Building 3, Exterior	-	Soffit	Wood	Negative	A	White	0.0	Intact	N/A	N/A
202117-X-0010	Building 3, Exterior	-	Fascia	Wood	Negative	A	Blue	0.2	Intact	N/A	N/A
202117-X-0011	Building 3, Exterior	-	Flashing	Metal	Negative	A	Blue	0.0	Intact	N/A	N/A
202117-X-0012	Building 3, Exterior	-	Window Frame	Wood	Negative	A	Blue	0.3	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0013	Building 3, Exterior	-	Wall	Stucco	Negative	B	White	0.0	Intact	N/A	N/A
202117-X-0014	Building 3, Exterior	-	Wall	Stucco	Negative	B	Blue	0.1	Intact	N/A	N/A
202117-X-0015	Building 3, Exterior	-	Transite Panel	Metal	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0016	Building 3, Exterior	-	Transite Panel	Metal	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0017	Building 3, Exterior	-	Column	Wood	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0018	Building 3, Exterior	-	Vent	Metal	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0019	Building 3, Exterior	-	Window Frame	Metal	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0020	Building 3, Exterior	-	Soffit	Wood	Negative	B	White	0.0	Intact	N/A	N/A
202117-X-0021	Building 3, Exterior	-	Fascia	Wood	Negative	B	Blue	0.2	Intact	N/A	N/A
202117-X-0022	Building 3, Exterior	-	Flashing	Metal	Negative	B	Blue	0.0	Intact	N/A	N/A
202117-X-0023	Building 3, Exterior	-	Rain Gutter	Metal	Negative	B	Blue	0.0	Intact	N/A	N/A
202117-X-0024	Building 3, Exterior	-	Rain Gutter Downspout	Metal	Negative	C	Blue	0.9	Intact	N/A	N/A
202117-X-0025	Building 3, Exterior	-	Wall	Stucco	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0026	Building 3, Exterior	-	Wall	Stucco	Negative	C	Tan	0.0	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0027	Building 3, Exterior	-	Soffit	Wood	Negative	C	White	0.0	Intact	N/A	N/A
202117-X-0028	Building 3, Exterior	-	Fascia	Wood	Negative	C	Blue	0.2	Intact	N/A	N/A
202117-X-0029	Building 3, Exterior	-	Flashing	Metal	Negative	C	Blue	0.0	Intact	N/A	N/A
202117-X-0030	Building 3, Exterior	-	Wall	Stucco	Negative	D	Tan	0.0	Intact	N/A	N/A
202117-X-0031	Building 3, Exterior	-	Wall	Stucco	Negative	D	Tan	0.0	Intact	N/A	N/A
202117-X-0032	Building 3, Exterior	-	Door	Wood	Negative	D	Blue	0.3	Intact	N/A	N/A
202117-X-0033	Building 3, Exterior	-	Door Frame	Wood	Negative	D	Blue	0.3	Intact	N/A	N/A
202117-X-0034	Building 3, Exterior	-	Window Frame	Wood	Negative	D	Blue	0.3	Intact	N/A	N/A
202117-X-0035	Building 3, Exterior	-	Soffit	Wood	Negative	D	White	0.0	Intact	N/A	N/A
202117-X-0036	Building 3, Exterior	-	Soffit	Wood	Negative	D	White	0.0	Intact	N/A	N/A
202117-X-0037	Building 3, Exterior	-	Fascia	Wood	Negative	D	White	0.2	Intact	N/A	N/A
202117-X-0038	Building 3, Exterior	-	Beam	Wood	Negative	D	White	0.3	Intact	N/A	N/A
202117-X-0039	Building 4, Exterior	-	Wall	Stucco	Negative	A	Tan	0.0	Intact	N/A	N/A
202117-X-0040	Building 4, Exterior	-	Wall	Stucco	Negative	A	Blue	0.1	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0041	Building 4, Exterior	-	Door	Wood	Negative	A	Blue	0.3	Intact	N/A	N/A
202117-X-0042	Building 4, Exterior	-	Door Frame	Wood	Negative	A	Blue	0.3	Intact	N/A	N/A
202117-X-0043	Building 4, Exterior	-	Door Jamb	Wood	Negative	A	Blue	0.3	Intact	N/A	N/A
202117-X-0044	Building 4, Exterior	-	Soffit	Wood	Negative	A	White	0.0	Intact	N/A	N/A
202117-X-0045	Building 4, Exterior	-	Fascia	Wood	Negative	A	Blue	0.2	Intact	N/A	N/A
202117-X-0046	Building 4, Exterior	-	Flashing	Metal	Negative	A	Blue	0.0	Intact	N/A	N/A
202117-X-0047	Building 4, Exterior	-	Water Fountain	Porcelain	Negative	A	White	0.4	Intact	N/A	N/A
202117-X-0048	Building 4, Exterior	-	Wall	Stucco	Negative	B	Tan	0.0	Intact	N/A	N/A
202117-X-0049	Building 4, Exterior	-	Wall	Stucco	Negative	B	Tan	0.0	Intact	N/A	N/A
202117-X-0050	Building 4, Exterior	-	Wall	Stucco	Negative	B	Blue	0.1	Intact	N/A	N/A
202117-X-0051	Building 4, Exterior	-	Transite Panel	Metal	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0052	Building 4, Exterior	-	Transite Panel	Metal	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0053	Building 4, Exterior	-	Column	Wood	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0054	Building 4, Exterior	-	Vent	Metal	Negative	B	Blue	0.3	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0055	Building 4, Exterior	-	Window Frame	Metal	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0056	Building 4, Exterior	-	Soffit	Wood	Negative	B	White	0.0	Intact	N/A	N/A
202117-X-0057	Building 4, Exterior	-	Fascia	Wood	Negative	B	Blue	0.2	Intact	N/A	N/A
202117-X-0058	Building 4, Exterior	-	Flashing	Metal	Negative	B	Blue	0.0	Intact	N/A	N/A
202117-X-0059	Building 4, Exterior	-	Rain Gutter	Metal	Negative	B	Blue	0.0	Intact	N/A	N/A
202117-X-0060	Building 4, Exterior	-	Rain Gutter Downspout	Metal	Negative	C	Blue	0.0	Intact	N/A	N/A
202117-X-0061	Building 4, Exterior	-	Wall	Stucco	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0062	Building 4, Exterior	-	Wall	Stucco	Negative	C	Tan	0.0	Intact	N/A	N/A
202117-X-0063	Building 4, Exterior	-	Soffit	Wood	Negative	C	White	0.0	Intact	N/A	N/A
202117-X-0064	Building 4, Exterior	-	Fascia	Wood	Negative	C	Blue	0.2	Intact	N/A	N/A
202117-X-0065	Building 4, Exterior	-	Flashing	Metal	Positive	C	Blue	3.5	Intact	High	20 LF
202117-X-0066	Building 4, Exterior	-	Wall	Stucco	Negative	D	Tan	0.0	Intact	N/A	N/A
202117-X-0067	Building 4, Exterior	-	Wall	Stucco	Negative	D	Tan	0.0	Intact	N/A	N/A
202117-X-0068	Building 4, Exterior	-	Door	Wood	Negative	D	Blue	0.3	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0069	Building 4, Exterior	-	Door Frame	Wood	Negative	D	Blue	0.3	Intact	N/A	N/A
202117-X-0070	Building 4, Exterior	-	Door Jamb	Wood	Negative	D	Blue	0.3	Intact	N/A	N/A
202117-X-0071	Building 4, Exterior	-	Window Frame	Wood	Negative	D	Blue	0.3	Intact	N/A	N/A
202117-X-0072	Building 4, Exterior	-	Soffit	Wood	Negative	D	White	0.0	Intact	N/A	N/A
202117-X-0073	Building 4, Exterior	-	Fascia	Wood	Negative	D	White	0.2	Intact	N/A	N/A
202117-X-0074	Building 4, Exterior	-	Beam	Wood	Negative	D	White	0.3	Intact	N/A	N/A
202117-X-0075	Building 5, Exterior	-	Wall	Stucco	Negative	A	Tan	0.0	Intact	N/A	N/A
202117-X-0076	Building 5, Exterior	-	Wall	Stucco	Negative	A	Blue	0.1	Intact	N/A	N/A
202117-X-0077	Building 5, Exterior	-	Door	Wood	Negative	A	Blue	0.3	Intact	N/A	N/A
202117-X-0078	Building 5, Exterior	-	Door Frame	Wood	Negative	A	Blue	0.3	Intact	N/A	N/A
202117-X-0079	Building 5, Exterior	-	Door Jamb	Wood	Negative	A	Blue	0.3	Intact	N/A	N/A
202117-X-0080	Building 5, Exterior	-	Soffit	Wood	Negative	A	White	0.0	Intact	N/A	N/A
202117-X-0081	Building 5, Exterior	-	Fascia	Wood	Negative	A	Blue	0.2	Intact	N/A	N/A
202117-X-0082	Building 5, Exterior	-	Flashing	Metal	Negative	A	Blue	0.0	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0083	Building 5, Exterior	-	Window Frame	Wood	Negative	A	Blue	0.3	Intact	N/A	N/A
202117-X-0084	Building 5, Exterior	-	Wall	Stucco	Negative	B	Tan	0.0	Intact	N/A	N/A
202117-X-0085	Building 5, Exterior	-	Wall	Stucco	Negative	B	Blue	0.1	Intact	N/A	N/A
202117-X-0086	Building 5, Exterior	-	Transite Panel	Metal	Negative	B	Yellow	0.3	Intact	N/A	N/A
202117-X-0087	Building 5, Exterior	-	Transite Panel	Metal	Negative	B	Red	0.3	Intact	N/A	N/A
202117-X-0088	Building 5, Exterior	-	Transite Panel	Metal	Negative	B	Light Blue	0.3	Intact	N/A	N/A
202117-X-0089	Building 5, Exterior	-	Transite Panel	Metal	Negative	B	Purple	0.3	Intact	N/A	N/A
202117-X-0090	Building 5, Exterior	-	Transite Panel	Metal	Negative	B	Pink	0.3	Intact	N/A	N/A
202117-X-0091	Building 5, Exterior	-	Transite Panel	Metal	Negative	B	Green	0.3	Intact	N/A	N/A
202117-X-0092	Building 5, Exterior	-	Transite Panel	Metal	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0093	Building 5, Exterior	-	Transite Panel	Metal	Negative	B	Orange	0.3	Intact	N/A	N/A
202117-X-0094	Building 5, Exterior	-	Transite Panel	Metal	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0095	Building 5, Exterior	-	Column	Wood	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0096	Building 5, Exterior	-	Vent	Metal	Negative	B	Blue	0.3	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0097	Building 5, Exterior	-	Vent	Metal	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0098	Building 5, Exterior	-	Window Frame	Metal	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0099	Building 5, Exterior	-	Soffit	Wood	Negative	B	White	0.0	Intact	N/A	N/A
202117-X-0100	Building 5, Exterior	-	Fascia	Wood	Negative	B	Blue	0.2	Intact	N/A	N/A
202117-X-0101	Building 5, Exterior	-	Flashing	Metal	Negative	B	Blue	0.0	Intact	N/A	N/A
202117-X-0102	Building 5, Exterior	-	Rain Gutter	Metal	Negative	B	Blue	0.0	Intact	N/A	N/A
202117-X-0103	Building 5, Exterior	-	Rain Gutter Downspout	Metal	Negative	C	Blue	0.9	Intact	N/A	N/A
202117-X-0104	Building 5, Exterior	-	Wall	Stucco	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0105	Building 5, Exterior	-	Wall	Stucco	Negative	C	Tan	0.0	Intact	N/A	N/A
202117-X-0106	Building 5, Exterior	-	Door	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0107	Building 5, Exterior	-	Door Frame	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0108	Building 5, Exterior	-	Door Jamb	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0109	Building 5, Exterior	-	Soffit	Wood	Negative	C	White	0.0	Intact	N/A	N/A
202117-X-0110	Building 5, Exterior	-	Fascia	Wood	Negative	C	Blue	0.2	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0111	Building 5, Exterior	-	Flashing	Metal	Negative	C	Blue	0.0	Intact	N/A	N/A
202117-X-0112	Building 5, Exterior	-	Window Frame	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0113	Building 5, Exterior	-	Wall	Stucco	Negative	D	Tan	0.0	Intact	N/A	N/A
202117-X-0114	Building 5, Exterior	-	Wall	Stucco	Negative	D	Tan	0.0	Intact	N/A	N/A
202117-X-0115	Building 5, Exterior	-	Door	Wood	Negative	D	Blue	0.3	Intact	N/A	N/A
202117-X-0116	Building 5, Exterior	-	Door Frame	Wood	Negative	D	Blue	0.3	Intact	N/A	N/A
202117-X-0117	Building 5, Exterior	-	Door Jamb	Wood	Negative	D	Blue	0.3	Intact	N/A	N/A
202117-X-0118	Building 5, Exterior	-	Window Frame	Wood	Negative	D	Blue	0.3	Intact	N/A	N/A
202117-X-0119	Building 5, Exterior	-	Soffit	Wood	Negative	D	White	0.0	Intact	N/A	N/A
202117-X-0120	Building 5, Exterior	-	Fascia	Wood	Negative	D	White	0.2	Intact	N/A	N/A
202117-X-0121	Building 5, Exterior	-	Beam	Wood	Negative	D	White	0.3	Intact	N/A	N/A
202117-X-0122	Calibration	-	NIST	-	-	-	-	1.0	-	-	-
202117-X-0123	Calibration	-	NIST	-	-	-	-	1.1	-	-	-
202117-X-0124	Calibration	-	NIST	-	-	-	-	1.0	-	-	-



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0125	Calibration	-	NIST	-	-	-	-	1.0	-	-	-
202117-X-0126	Calibration	-	NIST	-	-	-	-	1.1	-	-	-
202117-X-0127	Calibration	-	NIST	-	-	-	-	1.1	-	-	-
202117-X-0128	Building 1, Exterior	-	Wall	Stucco	Negative	A	Tan	0.0	Intact	N/A	N/A
202117-X-0129	Building 1, Exterior	-	Wall	Stucco	Negative	A	Tan	0.0	Intact	N/A	N/A
202117-X-0130	Building 1, Exterior	-	Soffit	Wood	Negative	A	White	0.0	Intact	N/A	N/A
202117-X-0131	Building 1, Exterior	-	Fascia	Wood	Negative	A	Blue	0.2	Intact	N/A	N/A
202117-X-0132	Building 1, Exterior	-	Flashing	Metal	Negative	A	Blue	0.0	Intact	N/A	N/A
202117-X-0133	Building 1, Exterior	-	Wall	Stucco	Negative	B	Tan	0.0	Intact	N/A	N/A
202117-X-0134	Building 1, Exterior	-	Wall	Stucco	Negative	B	Blue	0.1	Intact	N/A	N/A
202117-X-0135	Building 1, Exterior	-	Transite Panel	Metal	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0136	Building 1, Exterior	-	Transite Panel	Metal	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0137	Building 1, Exterior	-	Column	Wood	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0138	Building 1, Exterior	-	Vent	Metal	Negative	B	Blue	0.3	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0139	Building 1, Exterior	-	Window Frame	Metal	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0140	Building 1, Exterior	-	Soffit	Wood	Negative	B	Blue	0.0	Intact	N/A	N/A
202117-X-0141	Building 1, Exterior	-	Fascia	Wood	Negative	B	Blue	0.2	Intact	N/A	N/A
202117-X-0142	Building 1, Exterior	-	Flashing	Metal	Negative	B	Blue	0.0	Intact	N/A	N/A
202117-X-0143	Building 1, Exterior	-	Rain Gutter Downspout	Metal	Negative	A	Blue	0.9	Intact	N/A	N/A
202117-X-0144	Building 1, Exterior	-	Wall	Stucco	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0145	Building 1, Exterior	-	Wall	Stucco	Negative	C	Tan	0.0	Intact	N/A	N/A
202117-X-0146	Building 1, Exterior	-	Door	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0147	Building 1, Exterior	-	Door Frame	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0148	Building 1, Exterior	-	Door Jamb	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0149	Building 1, Exterior	-	Soffit	Wood	Negative	C	White	0.0	Intact	N/A	N/A
202117-X-0150	Building 1, Exterior	-	Fascia	Wood	Negative	C	Blue	0.2	Intact	N/A	N/A
202117-X-0151	Building 1, Exterior	-	Flashing	Metal	Negative	C	Blue	0.0	Intact	N/A	N/A
202117-X-0152	Building 1, Exterior	-	Window Frame	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0153	Building 1, Exterior	-	Water Fountain	Porcelain	Negative	C	White	0.3	Intact	N/A	N/A
202117-X-0154	Building 1, Exterior	-	Wall	Stucco	Negative	D	Tan	0.0	Intact	N/A	N/A
202117-X-0155	Building 1, Exterior	-	Wall	Stucco	Negative	D	Tan	0.0	Intact	N/A	N/A
202117-X-0156	Building 1, Exterior	-	Door	Wood	Negative	D	Blue	0.3	Intact	N/A	N/A
202117-X-0157	Building 1, Exterior	-	Door Frame	Wood	Negative	D	Blue	0.3	Intact	N/A	N/A
202117-X-0158	Building 1, Exterior	-	Door Jamb	Wood	Negative	D	Blue	0.3	Intact	N/A	N/A
202117-X-0159	Building 1, Exterior	-	Window Frame	Wood	Negative	D	Blue	0.3	Intact	N/A	N/A
202117-X-0160	Building 1, Exterior	-	Soffit	Wood	Negative	D	White	0.0	Intact	N/A	N/A
202117-X-0161	Building 1, Exterior	-	Soffit	Wood	Negative	D	White	0.0	Intact	N/A	N/A
202117-X-0162	Building 1, Exterior	-	Fascia	Wood	Negative	D	White	0.2	Intact	N/A	N/A
202117-X-0163	Building 1, Exterior	-	Beam	Wood	Negative	D	White	0.3	Intact	N/A	N/A
202117-X-0164	Building 2, Exterior	-	Wall	Stucco	Negative	A	Tan	0.0	Intact	N/A	N/A
202117-X-0165	Building 2, Exterior	-	Wall	Stucco	Negative	A	Tan	0.0	Intact	N/A	N/A
202117-X-0166	Building 2, Exterior	-	Soffit	Wood	Negative	A	White	0.0	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0167	Building 2, Exterior	-	Fascia	Wood	Negative	A	Blue	0.2	Intact	N/A	N/A
202117-X-0168	Building 2, Exterior	-	Flashing	Metal	Negative	A	Blue	0.0	Intact	N/A	N/A
202117-X-0169	Building 2, Exterior	-	Rain Gutter Downspout	Metal	Negative	A	Blue	0.9	Intact	N/A	N/A
202117-X-0170	Building 2, Exterior	-	Wall	Stucco	Negative	B	Tan	0.0	Intact	N/A	N/A
202117-X-0171	Building 2, Exterior	-	Wall	Stucco	Negative	B	Blue	0.1	Intact	N/A	N/A
202117-X-0172	Building 2, Exterior	-	Transite Panel	Metal	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0173	Building 2, Exterior	-	Transite Panel	Metal	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0174	Building 2, Exterior	-	Column	Wood	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0175	Building 2, Exterior	-	Vent	Metal	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0176	Building 2, Exterior	-	Window Frame	Metal	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0177	Building 2, Exterior	-	Soffit	Wood	Negative	B	Blue	0.0	Intact	N/A	N/A
202117-X-0178	Building 2, Exterior	-	Fascia	Wood	Negative	B	Blue	0.2	Intact	N/A	N/A
202117-X-0179	Building 2, Exterior	-	Flashing	Metal	Negative	B	Blue	0.0	Intact	N/A	N/A
202117-X-0180	Building 2, Exterior	-	Rain Gutter Downspout	Metal	Negative	A	Blue	0.9	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0181	Building 2, Exterior	-	Wall	Stucco	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0182	Building 2, Exterior	-	Wall	Stucco	Negative	C	Tan	0.0	Intact	N/A	N/A
202117-X-0183	Building 2, Exterior	-	Door	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0184	Building 2, Exterior	-	Door Frame	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0185	Building 2, Exterior	-	Soffit	Wood	Negative	C	White	0.0	Intact	N/A	N/A
202117-X-0186	Building 2, Exterior	-	Fascia	Wood	Negative	C	Blue	0.2	Intact	N/A	N/A
202117-X-0187	Building 2, Exterior	-	Flashing	Metal	Negative	C	Blue	0.0	Intact	N/A	N/A
202117-X-0188	Building 2, Exterior	-	Window Frame	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0189	Building 2, Exterior	-	Wall	Stucco	Negative	D	Tan	0.0	Intact	N/A	N/A
202117-X-0190	Building 2, Exterior	-	Wall	Stucco	Negative	D	Tan	0.0	Intact	N/A	N/A
202117-X-0191	Building 2, Exterior	-	Door	Wood	Negative	D	Blue	0.3	Intact	N/A	N/A
202117-X-0192	Building 2, Exterior	-	Door Frame	Wood	Negative	D	Blue	0.3	Intact	N/A	N/A
202117-X-0193	Building 2, Exterior	-	Door Jamb	Wood	Negative	D	Blue	0.3	Intact	N/A	N/A
202117-X-0194	Building 2, Exterior	-	Window Frame	Wood	Negative	D	Blue	0.3	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0195	Building 2, Exterior	-	Soffit	Wood	Negative	D	White	0.0	Intact	N/A	N/A
202117-X-0196	Building 2, Exterior	-	Soffit	Metal	Negative	D	White	0.0	Intact	N/A	N/A
202117-X-0197	Building 2, Exterior	-	Fascia	Wood	Negative	D	White	0.2	Intact	N/A	N/A
202117-X-0198	Building 2, Exterior	-	Beam	Wood	Negative	D	White	0.3	Intact	N/A	N/A
202117-X-0199	Kindergarten, Exterior	-	Wall	Stucco	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0200	Kindergarten, Exterior	-	Wall	Stucco	Negative	D	Blue	0.1	Intact	N/A	N/A
202117-X-0201	Kindergarten, Exterior	-	Wall	Stucco	Negative	D	Red	0.1	Intact	N/A	N/A
202117-X-0202	Kindergarten, Exterior	-	Wall	Stucco	Negative	D	Yellow	0.1	Intact	N/A	N/A
202117-X-0203	Kindergarten, Exterior	-	Soffit	Wood	Negative	D	White	0.0	Intact	N/A	N/A
202117-X-0204	Kindergarten, Exterior	-	Fascia	Wood	Negative	D	Blue	0.2	Intact	N/A	N/A
202117-X-0205	Kindergarten, Exterior	-	Flashing	Metal	Negative	D	Blue	0.0	Intact	N/A	N/A
202117-X-0206	Kindergarten, Exterior	-	Rain Gutter Downspout	Metal	Negative	D	Blue	0.0	Intact	N/A	N/A
202117-X-0207	Kindergarten, Exterior	-	Transite Panel	Metal	Negative	A	Blue	0.3	Intact	N/A	N/A
202117-X-0208	Kindergarten, Exterior	-	Transite Panel	Metal	Negative	A	Blue	0.3	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0209	Kindergarten, Exterior	-	Window Frame	Wood	Negative	A	Blue	0.3	Intact	N/A	N/A
202117-X-0210	Kindergarten, Exterior	-	Column	Wood	Negative	A	Blue	0.1	Intact	N/A	N/A
202117-X-0211	Kindergarten, Exterior	-	Soffit	Wood	Negative	A	White	0.2	Intact	N/A	N/A
202117-X-0212	Kindergarten, Exterior	-	Fascia	Wood	Negative	A	Blue	0.2	Intact	N/A	N/A
202117-X-0213	Kindergarten, Exterior	-	Flashing	Metal	Negative	A	Blue	0.0	Intact	N/A	N/A
202117-X-0214	Kindergarten, Exterior	-	Water Fountain	Porcelain	Positive	A	White	27.3	Intact	High	1 EA
202117-X-0215	Kindergarten, Exterior	-	Painted Line on Floor	Concrete	Positive	A	Yellow	1.6	Intact	High	75 LF
202117-X-0216	Kindergarten, Exterior	-	Painted Line on Floor	Concrete	Negative	A	Yellow	0.3	Intact	N/A	N/A
202117-X-0217	Kindergarten, Exterior	-	Wall	Stucco	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0218	Kindergarten, Exterior	-	Wall	Stucco	Negative	C	Blue	0.1	Intact	N/A	N/A
202117-X-0219	Kindergarten, Exterior	-	Soffit	Wood	Negative	C	White	0.0	Intact	N/A	N/A
202117-X-0220	Kindergarten, Exterior	-	Fascia	Wood	Negative	C	Blue	0.2	Intact	N/A	N/A
202117-X-0221	Kindergarten, Exterior	-	Flashing	Metal	Negative	C	Blue	0.0	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0222	Kindergarten, Exterior	-	Window Frame	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0223	Kindergarten, Exterior	-	Door	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0224	Kindergarten, Exterior	-	Door Frame	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0225	Kindergarten, Exterior	-	Door Jamb	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0226	Kindergarten, Exterior	-	Window Frame	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0227	Kindergarten, Exterior	-	Vent	Metal	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0228	Kindergarten, Exterior	-	Painted Line on Floor	Concrete	Positive	C	Yellow	2.5	Intact	High	See 0215
202117-X-0229	Kindergarten, Exterior	-	Painted Line on Floor	Concrete	Negative	C	Red	0.5	Intact	N/A	N/A
202117-X-0230	Administration Building, Exterior	-	Wall	Stucco	Negative	D	Tan	0.0	Intact	N/A	N/A
202117-X-0231	Administration Building, Exterior	-	Wall	Stucco	Negative	D	Blue	0.0	Intact	N/A	N/A
202117-X-0232	Administration Building, Exterior	-	Rain Gutter	Metal	Negative	D	Blue	0.9	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0233	Administration Building, Exterior	-	Rain Gutter	Metal	Negative	A	Blue	0.9	Intact	N/A	N/A
202117-X-0234	Administration Building, Exterior	-	Wall	Stucco	Negative	A	Tan	0.0	Intact	N/A	N/A
202117-X-0235	Administration Building, Exterior	-	Wall	Stucco	Negative	A	Tan	0.0	Intact	N/A	N/A
202117-X-0236	Administration Building, Exterior	-	Door	Wood	Negative	A	Blue	0.3	Intact	N/A	N/A
202117-X-0237	Administration Building, Exterior	-	Door Frame	Wood	Negative	A	Blue	0.3	Intact	N/A	N/A
202117-X-0238	Administration Building, Exterior	-	Door Jamb	Wood	Negative	A	Blue	0.3	Intact	N/A	N/A
202117-X-0239	Administration Building, Exterior	-	Bracket	Metal	Negative	A	Off-White	0.7	Intact	N/A	N/A
202117-X-0240	Administration Building, Exterior	-	Bracket	Metal	Positive	A	Off-White	3.0	Intact	High	1 EA
202117-X-0241	Administration Building, Exterior	-	Bracket	Metal	Negative	A	Off-White	0.4	Intact	N/A	N/A
202117-X-0242	Administration Building, Exterior	-	Soffit	Stucco	Negative	A	Tan	0.0	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0243	Administration Building, Exterior	-	Wall	Stucco	Negative	A	Tan	0.0	Intact	N/A	N/A
202117-X-0244	Administration Building, Exterior	-	Wall	Stucco	Negative	B	Blue	0.0	Intact	N/A	N/A
202117-X-0245	Administration Building, Exterior	-	Door	Wood	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0246	Administration Building, Exterior	-	Door Frame	Wood	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0247	Administration Building, Exterior	-	Door Jamb	Wood	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0248	Administration Building, Exterior	-	Window Frame	Wood	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0249	Administration Building, Exterior	-	Soffit	Stucco	Negative	B	Tan	0.0	Intact	N/A	N/A
202117-X-0250	Administration Building, Exterior	-	Fascia	Wood	Negative	B	Blue	0.2	Intact	N/A	N/A
202117-X-0251	Administration Building, Exterior	-	Flashing	Metal	Negative	B	Blue	0.0	Intact	N/A	N/A
202117-X-0252	Administration Building, Exterior	-	Wall	Stucco	Negative	C	Tan	0.0	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0253	Administration Building, Exterior	-	Wall	Stucco	Negative	C	Blue	0.0	Intact	N/A	N/A
202117-X-0254	Administration Building, Exterior	-	Door	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0255	Administration Building, Exterior	-	Door Frame	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0256	Administration Building, Exterior	-	Door Jamb	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0257	Administration Building, Exterior	-	Window Frame	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0258	Administration Building, Exterior	-	Soffit	Stucco	Negative	C	Tan	0.0	Intact	N/A	N/A
202117-X-0259	Administration Building, Exterior	-	Vent	Metal	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0260	Administration Building, Exterior	-	Post	Metal	Negative	C	Yellow	0.3	Intact	N/A	N/A
202117-X-0261	Administration Building, Exterior	-	Post	Metal	Negative	C	Black	0.5	Intact	N/A	N/A
202117-X-0262	Administration Building, Exterior	-	Fence	Metal	Negative	C	Black	0.1	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0263	Administration Building, Exterior	-	Fascia	Wood	Negative	C	Blue	0.2	Intact	N/A	N/A
202117-X-0264	Administration Building, Exterior	-	Flashing	Metal	Negative	C	Blue	0.0	Intact	N/A	N/A
202117-X-0265	Administration Building, Exterior	-	Beam	Wood	Negative	C	White	0.3	Intact	N/A	N/A
202117-X-0266	Calibration	-	NIST	-	-	-	-	1.0	-	-	-
202117-X-0267	Calibration	-	NIST	-	-	-	-	1.1	-	-	-
202117-X-0268	Calibration	-	NIST	-	-	-	-	1.0	-	-	-
202117-X-0269	Calibration	-	NIST	-	-	-	-	1.0	-	-	-
202117-X-0270	Calibration	-	NIST	-	-	-	-	1.1	-	-	-
202117-X-0271	Calibration	-	NIST	-	-	-	-	1.1	-	-	-
202117-X-0272	Multi-Purpose Building, Exterior	-	Wall	Stucco	Negative	A	Tan	0.0	Intact	N/A	N/A
202117-X-0273	Multi-Purpose Building, Exterior	-	Wall	Stucco	Negative	A	Tan	0.0	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0274	Multi-Purpose Building, Exterior	-	Wall	Stucco	Negative	A	Tan	0.0	Intact	N/A	N/A
202117-X-0275	Multi-Purpose Building, Exterior	-	Door	Wood	Negative	A	Blue	0.3	Intact	N/A	N/A
202117-X-0276	Multi-Purpose Building, Exterior	-	Door Frame	Wood	Negative	A	Tan	0.3	Intact	N/A	N/A
202117-X-0277	Multi-Purpose Building, Exterior	-	Door Jamb	Wood	Negative	A	Blue	0.3	Intact	N/A	N/A
202117-X-0278	Multi-Purpose Building, Exterior	-	Wall	Stucco	Negative	A	Blue	0.0	Intact	N/A	N/A
202117-X-0279	Multi-Purpose Building, Exterior	-	Wall	Stucco	Negative	A	Tan	0.0	Intact	N/A	N/A
202117-X-0280	Multi-Purpose Building, Exterior	-	Door	Wood	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0281	Multi-Purpose Building, Exterior	-	Door Frame	Wood	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0282	Multi-Purpose Building, Exterior	-	Door Jamb	Wood	Negative	B	Blue	0.3	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0283	Multi-Purpose Building, Exterior	-	Soffit	Wood	Negative	B	White	0.2	Intact	N/A	N/A
202117-X-0284	Multi-Purpose Building, Exterior	-	Fascia	Wood	Negative	B	Blue	0.2	Intact	N/A	N/A
202117-X-0285	Multi-Purpose Building, Exterior	-	Flashing	Metal	Negative	B	Blue	0.0	Intact	N/A	N/A
202117-X-0286	Multi-Purpose Building, Exterior	-	Window Frame	Wood	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0287	Multi-Purpose Building, Exterior	-	Vent	Metal	Positive	B	Blue	1.0	Intact	High	48 LF
202117-X-0288	Multi-Purpose Building, Mechanical Room, Exterior	-	Door	Wood	Negative	B	Blue	0.9	Intact	N/A	N/A
202117-X-0289	Multi-Purpose Building, Exterior	-	Door Frame	Wood	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0290	Multi-Purpose Building, Exterior	-	Door Jamb	Wood	Negative	B	Brown	0.5	Intact	N/A	N/A
202117-X-0291	Multi-Purpose Building, Exterior	-	Wall	Stucco	Negative	C	Blue	0.3	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0292	Multi-Purpose Building, Exterior	-	Wall	Stucco	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0293	Multi-Purpose Building, Mechanical Room, Exterior	-	Door	Wood	Negative	C	Blue	0.9	Intact	N/A	N/A
202117-X-0294	Multi-Purpose Building, Exterior	-	Door Frame	Wood	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0295	Multi-Purpose Building, Exterior	-	Door Jamb	Wood	Negative	C	Brown	0.5	Intact	N/A	N/A
202117-X-0296	Multi-Purpose Building, Exterior	-	Soffit	Wood	Negative	C	White	0.2	Intact	N/A	N/A
202117-X-0297	Multi-Purpose Building, Exterior	-	Fascia	Wood	Negative	C	Blue	0.2	Intact	N/A	N/A
202117-X-0298	Multi-Purpose Building, Exterior	-	Flashing	Metal	Negative	C	Blue	0.0	Intact	N/A	N/A
202117-X-0299	Multi-Purpose Building, Exterior	-	Window Frame	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0300	Multi-Purpose Building, Exterior	-	Floor	Concrete	Positive	C	Yellow	2.5	Intact	High	5 LF



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0301	Multi-Purpose Building, Exterior	-	Wall	Stucco	Negative	D	Blue	0.3	Intact	N/A	N/A
202117-X-0302	Multi-Purpose Building, Exterior	-	Wall	Stucco	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0303	Multi-Purpose Building, Exterior	-	Door	Wood	Negative	D	Blue	0.3	Intact	N/A	N/A
202117-X-0304	Multi-Purpose Building, Exterior	-	Door Frame	Wood	Negative	D	Blue	0.3	Intact	N/A	N/A
202117-X-0305	Multi-Purpose Building, Exterior	-	Door Jamb	Wood	Negative	D	Blue	0.3	Intact	N/A	N/A
202117-X-0306	Multi-Purpose Building, Exterior	-	Window Frame	Wood	Negative	D	Blue	0.2	Intact	N/A	N/A
202117-X-0307	Multi-Purpose Building, Exterior	-	Soffit	Stucco	Negative	D	Tan	0.0	Intact	N/A	N/A
202117-X-0308	Multi-Purpose Building, Exterior	-	Fascia	Wood	Negative	B	Blue	0.2	Intact	N/A	N/A
202117-X-0309	Multi-Purpose Building, Exterior	-	Flashing	Metal	Negative	B	Blue	0.0	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0310	Multi-Purpose Building, Exterior	-	Beam	Wood	Negative	D	Blue	0.3	Intact	N/A	N/A
202117-X-0311	Building 6, Exterior	-	Wall	Stucco	Negative	A	Tan	0.0	Intact	N/A	N/A
202117-X-0312	Building 6, Exterior	-	Wall	Stucco	Negative	A	Blue	0.1	Intact	N/A	N/A
202117-X-0313	Building 6, Exterior	-	Door	Wood	Negative	A	Blue	0.3	Intact	N/A	N/A
202117-X-0314	Building 6, Exterior	-	Door Frame	Wood	Negative	A	Blue	0.3	Intact	N/A	N/A
202117-X-0315	Building 6, Exterior	-	Door Jamb	Wood	Negative	A	Blue	0.3	Intact	N/A	N/A
202117-X-0316	Building 6, Exterior	-	Soffit	Wood	Negative	A	White	0.0	Intact	N/A	N/A
202117-X-0317	Building 6, Exterior	-	Soffit	Wood	Negative	A	White	0.0	Intact	N/A	N/A
202117-X-0318	Building 6, Exterior	-	Fascia	Wood	Negative	A	Blue	0.2	Intact	N/A	N/A
202117-X-0319	Building 6, Exterior	-	Flashing	Metal	Negative	A	Blue	0.0	Intact	N/A	N/A
202117-X-0320	Building 6, Exterior	-	Wall	Stucco	Negative	B	Tan	0.0	Intact	N/A	N/A
202117-X-0321	Building 6, Exterior	-	Wall	Stucco	Negative	B	Blue	0.1	Intact	N/A	N/A
202117-X-0322	Building 6, Exterior	-	Soffit	Wood	Negative	B	White	0.0	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0323	Building 6, Exterior	-	Fascia	Wood	Negative	B	Blue	0.2	Intact	N/A	N/A
202117-X-0324	Building 6, Exterior	-	Flashing	Metal	Negative	B	Blue	0.0	Intact	N/A	N/A
202117-X-0325	Building 6, Exterior	-	Wall	Stucco	Negative	B	Tan	0.0	Intact	N/A	N/A
202117-X-0326	Building 6, Exterior	-	Wall	Stucco	Negative	B	Blue	0.1	Intact	N/A	N/A
202117-X-0327	Building 6, Exterior	-	Wall	Stucco	Negative	B	Blue	0.1	Intact	N/A	N/A
202117-X-0328	Building 6, Exterior	-	Wall	Stucco	Negative	C	Blue	0.1	Intact	N/A	N/A
202117-X-0329	Building 6, Exterior	-	Wall	Stucco	Negative	C	Blue	0.1	Intact	N/A	N/A
202117-X-0330	Building 6, Exterior	-	Soffit	Wood	Negative	C	White	0.0	Intact	N/A	N/A
202117-X-0331	Building 6, Exterior	-	Fascia	Wood	Negative	C	Blue	0.2	Intact	N/A	N/A
202117-X-0332	Building 6, Exterior	-	Flashing	Metal	Negative	C	Blue	0.0	Intact	N/A	N/A
202117-X-0333	Building 6, Exterior	-	Wall	Stucco	Negative	D	Tan	0.0	Intact	N/A	N/A
202117-X-0334	Building 6, Exterior	-	Wall	Stucco	Negative	D	Blue	0.1	Intact	N/A	N/A
202117-X-0335	Building 3, Exterior	-	Door	Wood	Negative	D	Blue	0.3	Intact	N/A	N/A
202117-X-0336	Building 6, Exterior	-	Door Frame	Wood	Negative	D	Blue	0.3	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0337	Building 6, Exterior	-	Door Jamb	Wood	Negative	D	Blue	0.3	Intact	N/A	N/A
202117-X-0338	Building 6, Exterior	-	Soffit	Wood	Negative	D	White	0.0	Intact	N/A	N/A
202117-X-0339	Building 6, Exterior	-	Fascia	Wood	Negative	D	Blue	0.2	Intact	N/A	N/A
202117-X-0340	Building 6, Exterior	-	Flashing	Metal	Negative	D	Blue	0.0	Intact	N/A	N/A
202117-X-0341	Building 7, Exterior	-	Wall	Wood	Negative	A	Tan	0.0	Intact	N/A	N/A
202117-X-0342	Building 7, Exterior	-	Wall	Wood	Negative	A	Blue	0.0	Intact	N/A	N/A
202117-X-0343	Building 7, Exterior	-	Soffit	Wood	Negative	A	Tan	0.0	Intact	N/A	N/A
202117-X-0344	Building 7, Exterior	-	Fascia	Wood	Negative	A	Blue	0.2	Intact	N/A	N/A
202117-X-0345	Building 7, Exterior	-	Flashing	Metal	Negative	A	Blue	0.0	Intact	N/A	N/A
202117-X-0346	Building 7, Exterior	-	Rain Gutter	Metal	Negative	A	Blue	0.0	Intact	N/A	N/A
202117-X-0347	Building 7, Exterior	-	Wall	Wood	Negative	B	Tan	0.0	Intact	N/A	N/A
202117-X-0348	Building 7, Exterior	-	Wall	Wood	Negative	B	Blue	0.0	Intact	N/A	N/A
202117-X-0349	Building 7, Exterior	-	Fascia	Wood	Negative	B	Blue	0.2	Intact	N/A	N/A
202117-X-0350	Building 7, Exterior	-	Flashing	Metal	Negative	B	Blue	0.0	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0351	Building 7, Exterior	-	Wall	Wood	Negative	B	Tan	0.0	Intact	N/A	N/A
202117-X-0352	Building 7, Exterior	-	Wall	Wood	Negative	C	Blue	0.0	Intact	N/A	N/A
202117-X-0353	Building 7, Exterior	-	Soffit	Wood	Negative	C	Tan	0.0	Intact	N/A	N/A
202117-X-0354	Building 7, Exterior	-	Fascia	Wood	Negative	C	Blue	0.2	Intact	N/A	N/A
202117-X-0355	Building 7, Exterior	-	Flashing	Metal	Negative	C	Blue	0.0	Intact	N/A	N/A
202117-X-0356	Building 7, Exterior	-	Door	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0357	Building 7, Exterior	-	Door Frame	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0358	Building 7, Exterior	-	Door Jamb	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0359	Building 7, Exterior	-	Hand Rail	Metal	Negative	C	Black	0.3	Intact	N/A	N/A
202117-X-0360	Building 7, Exterior	-	Wall	Wood	Negative	D	Tan	0.0	Intact	N/A	N/A
202117-X-0361	Building 7, Exterior	-	Wall	Wood	Negative	D	Blue	0.0	Intact	N/A	N/A
202117-X-0362	Building 7, Exterior	-	Fascia	Wood	Negative	D	Blue	0.2	Intact	N/A	N/A
202117-X-0363	Building 7, Exterior	-	Flashing	Metal	Negative	D	Blue	0.0	Intact	N/A	N/A
202117-X-0364	Building 8, Exterior	-	Wall	Wood	Negative	A	Tan	0.0	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0365	Building 8, Exterior	-	Wall	Wood	Negative	A	Blue	0.0	Intact	N/A	N/A
202117-X-0366	Building 8, Exterior	-	Soffit	Wood	Negative	A	Tan	0.0	Intact	N/A	N/A
202117-X-0367	Building 8, Exterior	-	Fascia	Wood	Negative	A	Blue	0.2	Intact	N/A	N/A
202117-X-0368	Building 8, Exterior	-	Flashing	Metal	Negative	A	Blue	0.0	Intact	N/A	N/A
202117-X-0369	Building 8, Exterior	-	Rain Gutter	Metal	Negative	A	Blue	0.0	Intact	N/A	N/A
202117-X-0370	Building 8, Exterior	-	Wall	Wood	Negative	B	Tan	0.0	Intact	N/A	N/A
202117-X-0371	Building 8, Exterior	-	Wall	Wood	Negative	B	Blue	0.0	Intact	N/A	N/A
202117-X-0372	Building 8, Exterior	-	Fascia	Wood	Negative	B	Blue	0.2	Intact	N/A	N/A
202117-X-0373	Building 8, Exterior	-	Flashing	Metal	Negative	B	Blue	0.0	Intact	N/A	N/A
202117-X-0374	Building 8, Exterior	-	Wall	Wood	Negative	B	Tan	0.0	Intact	N/A	N/A
202117-X-0375	Building 8, Exterior	-	Wall	Wood	Negative	C	Blue	0.0	Intact	N/A	N/A
202117-X-0376	Building 8, Exterior	-	Soffit	Wood	Negative	C	Tan	0.0	Intact	N/A	N/A
202117-X-0377	Building 8, Exterior	-	Fascia	Wood	Negative	C	Blue	0.2	Intact	N/A	N/A
202117-X-0378	Building 8, Exterior	-	Flashing	Metal	Negative	C	Blue	0.0	Intact	N/A	N/A

<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0379	Building 8, Exterior	-	Door	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0380	Building 8, Exterior	-	Door Frame	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0381	Building 8, Exterior	-	Door Jamb	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0382	Building 8, Exterior	-	Hand Rail	Metal	Negative	C	Black	0.3	Intact	N/A	N/A
202117-X-0383	Building 8, Exterior	-	Wall	Wood	Negative	D	Tan	0.0	Intact	N/A	N/A
202117-X-0384	Building 8, Exterior	-	Wall	Wood	Negative	D	Blue	0.0	Intact	N/A	N/A
202117-X-0385	Building 8, Exterior	-	Fascia	Wood	Negative	D	Blue	0.2	Intact	N/A	N/A
202117-X-0386	Building 8, Exterior	-	Flashing	Metal	Negative	D	Blue	0.0	Intact	N/A	N/A
202117-X-0387	Building 9, Exterior	-	Wall	Wood	Negative	A	Tan	0.0	Intact	N/A	N/A
202117-X-0388	Building 9, Exterior	-	Wall	Wood	Negative	A	Blue	0.0	Intact	N/A	N/A
202117-X-0389	Building 9, Exterior	-	Soffit	Wood	Negative	A	Tan	0.0	Intact	N/A	N/A
202117-X-0390	Building 9, Exterior	-	Fascia	Wood	Negative	A	Blue	0.2	Intact	N/A	N/A
202117-X-0391	Building 9, Exterior	-	Flashing	Metal	Negative	A	Blue	0.0	Intact	N/A	N/A
202117-X-0392	Building 9, Exterior	-	Rain Gutter	Metal	Negative	A	Blue	0.0	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0393	Building 9, Exterior	-	Wall	Wood	Negative	B	Tan	0.0	Intact	N/A	N/A
202117-X-0394	Building 9, Exterior	-	Wall	Wood	Negative	B	Blue	0.0	Intact	N/A	N/A
202117-X-0395	Building 9, Exterior	-	Fascia	Wood	Negative	B	Blue	0.2	Intact	N/A	N/A
202117-X-0396	Building 9, Exterior	-	Flashing	Metal	Negative	B	Blue	0.0	Intact	N/A	N/A
202117-X-0397	Building 9, Exterior	-	Wall	Wood	Negative	B	Tan	0.0	Intact	N/A	N/A
202117-X-0398	Building 9, Exterior	-	Wall	Wood	Negative	C	Blue	0.0	Intact	N/A	N/A
202117-X-0399	Building 9, Exterior	-	Soffit	Wood	Negative	C	Tan	0.0	Intact	N/A	N/A
202117-X-0400	Building 9, Exterior	-	Fascia	Wood	Negative	C	Blue	0.2	Intact	N/A	N/A
202117-X-0401	Building 9, Exterior	-	Flashing	Metal	Negative	C	Blue	0.0	Intact	N/A	N/A
202117-X-0402	Building 9, Exterior	-	Door	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0403	Building 9, Exterior	-	Door Frame	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0404	Building 9, Exterior	-	Door Jamb	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0405	Building 9, Exterior	-	Hand Rail	Metal	Negative	C	Black	0.3	Intact	N/A	N/A
202117-X-0406	Building 9, Exterior	-	Wall	Wood	Negative	D	Tan	0.0	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0407	Building 9, Exterior	-	Wall	Wood	Negative	D	Blue	0.0	Intact	N/A	N/A
202117-X-0408	Building 9, Exterior	-	Fascia	Wood	Negative	D	Blue	0.2	Intact	N/A	N/A
202117-X-0409	Building 9, Exterior	-	Flashing	Metal	Negative	D	Blue	0.0	Intact	N/A	N/A
202117-X-0410	Calibration	-	NIST	-	-	-	-	1.0	-	-	-
202117-X-0411	Calibration	-	NIST	-	-	-	-	1.1	-	-	-
202117-X-0412	Calibration	-	NIST	-	-	-	-	1.0	-	-	-
202117-X-0413	Calibration	-	NIST	-	-	-	-	1.0	-	-	-
202117-X-0414	Calibration	-	NIST	-	-	-	-	1.1	-	-	-
202117-X-0415	Calibration	-	NIST	-	-	-	-	1.1	-	-	-
202117-X-0416	Building 10, Exterior	-	Wall	Wood	Negative	A	Tan	0.0	Intact	N/A	N/A
202117-X-0417	Building 10, Exterior	-	Wall	Wood	Negative	A	Blue	0.0	Intact	N/A	N/A
202117-X-0418	Building 10, Exterior	-	Soffit	Wood	Negative	A	Tan	0.0	Intact	N/A	N/A
202117-X-0419	Building 10, Exterior	-	Fascia	Wood	Negative	A	Blue	0.2	Intact	N/A	N/A
202117-X-0420	Building 10, Exterior	-	Flashing	Metal	Negative	A	Blue	0.0	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0421	Building 10, Exterior	-	Door	Wood	Negative	A	Blue	0.3	Intact	N/A	N/A
202117-X-0422	Building 10, Exterior	-	Door Frame	Wood	Negative	A	Blue	0.3	Intact	N/A	N/A
202117-X-0423	Building 10, Exterior	-	Door Jamb	Wood	Negative	A	Blue	0.3	Intact	N/A	N/A
202117-X-0424	Building 10, Exterior	-	Hand Rail	Metal	Negative	A	Black	0.3	Intact	N/A	N/A
202117-X-0425	Building 10, Exterior	-	Wall	Wood	Negative	B	Tan	0.0	Intact	N/A	N/A
202117-X-0426	Building 10, Exterior	-	Wall	Wood	Negative	B	Blue	0.0	Intact	N/A	N/A
202117-X-0427	Building 10, Exterior	-	Fascia	Wood	Negative	B	Blue	0.2	Intact	N/A	N/A
202117-X-0428	Building 10, Exterior	-	Flashing	Metal	Negative	B	Blue	0.0	Intact	N/A	N/A
202117-X-0429	Building 10, Exterior	-	Door	Wood	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0430	Building 10, Exterior	-	Door Frame	Wood	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0431	Building 10, Exterior	-	Door Jamb	Wood	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0432	Building 10, Exterior	-	Hand Rail	Metal	Negative	B	Black	0.3	Intact	N/A	N/A
202117-X-0433	Building 10, Exterior	-	Wall	Wood	Negative	C	Tan	0.0	Intact	N/A	N/A
202117-X-0434	Building 10, Exterior	-	Wall	Wood	Negative	C	Blue	0.0	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0435	Building 10, Exterior	-	Fascia	Wood	Negative	C	Blue	0.2	Intact	N/A	N/A
202117-X-0436	Building 10, Exterior	-	Flashing	Metal	Negative	C	Blue	0.0	Intact	N/A	N/A
202117-X-0437	Building 10, Exterior	-	Soffit	Wood	Negative	C	Tan	0.0	Intact	N/A	N/A
202117-X-0438	Building 10, Exterior	-	Rain Gutter	Metal	Negative	C	Blue	0.0	Intact	N/A	N/A
202117-X-0439	Building 10, Exterior	-	Wall	Wood	Negative	D	Tan	0.0	Intact	N/A	N/A
202117-X-0440	Building 10, Exterior	-	Wall	Wood	Negative	D	Blue	0.0	Intact	N/A	N/A
202117-X-0441	Building 10, Exterior	-	Fascia	Wood	Negative	D	Blue	0.2	Intact	N/A	N/A
202117-X-0442	Building 10, Exterior	-	Flashing	Metal	Negative	D	Blue	0.0	Intact	N/A	N/A
202117-X-0443	Building 3, Classroom 301	-	Beam	Concrete	Negative	A	Tan	0.2	Intact	N/A	N/A
202117-X-0444	Building 3, Classroom 301	-	Wall Panel	Wood	Negative	A	Tan	0.2	Intact	N/A	N/A
202117-X-0445	Building 3, Classroom 301	2"	Baseboard	Wood	Negative	A	White	0.2	Intact	N/A	N/A
202117-X-0446	Building 3, Classroom 301	-	Sink	Porcelain	Positive	A	White	26.8	Intact	High	4 EA
202117-X-0447	Building 3, Classroom 301	-	Window Frame	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0448	Building 3, Classroom 301	-	Transite Panel	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0449	Building 3, Classroom 301	-	Door Frame	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0450	Building 3, Classroom 301	-	Wall Support	Concrete	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0451	Building 3, Classroom 301	-	HVAC Unit	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0452	Building 3, Classroom 301	-	Beam	Concrete	Negative	C	Tan	0.2	Intact	N/A	N/A
202117-X-0453	Building 3, Classroom 301	-	Wall Panel	Wood	Negative	C	Tan	0.2	Intact	N/A	N/A
202117-X-0454	Building 3, Classroom 301	2"	Baseboard	Wood	Negative	C	White	0.2	Intact	N/A	N/A
202117-X-0455	Building 3, Classroom 301	-	Wall Support	Concrete	Negative	D	Tan	0.2	Intact	N/A	N/A
202117-X-0456	Building 3, Classroom 301	-	Wall Panel	Wood	Negative	D	Tan	0.2	Intact	N/A	N/A
202117-X-0457	Building 3, Classroom 301	2"	Baseboard	Wood	Negative	D	White	0.2	Intact	N/A	N/A
202117-X-0458	Building 3, Classroom 301	-	Window Frame	Metal	Negative	D	Tan	0.2	Intact	N/A	N/A
202117-X-0459	Building 3, Classroom 302	-	Beam	Concrete	Negative	A	Tan	0.2	Intact	N/A	N/A
202117-X-0460	Building 3, Classroom 302	-	Wall Panel	Wood	Negative	A	Tan	0.2	Intact	N/A	N/A
202117-X-0461	Building 3, Classroom 302	2"	Baseboard	Wood	Negative	A	White	0.1	Intact	N/A	N/A
202117-X-0462	Building 3, Classroom 302	-	Sink	Porcelain	Positive	A	White	34.0	Intact	High	See 0446



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0463	Building 3, Classroom 302	-	Window Frame	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0464	Building 3, Classroom 302	-	Transite Panel	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0465	Building 3, Classroom 302	-	Door Frame	Metal	Negative	B	Tan	0.4	Intact	N/A	N/A
202117-X-0466	Building 3, Classroom 302	-	Wall Support	Concrete	Negative	B	Tan	0.3	Intact	N/A	N/A
202117-X-0467	Building 3, Classroom 302	-	HVAC Unit	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0468	Building 3, Classroom 302	-	Beam	Concrete	Negative	C	Tan	0.2	Intact	N/A	N/A
202117-X-0469	Building 3, Classroom 302	-	Wall Panel	Wood	Negative	C	Tan	0.3	Intact	N/A	N/A
202117-X-0470	Building 3, Classroom 302	2"	Baseboard	Wood	Negative	C	White	0.0	Intact	N/A	N/A
202117-X-0471	Building 3, Classroom 302	-	Wall Support	Concrete	Negative	D	Tan	0.2	Intact	N/A	N/A
202117-X-0472	Building 3, Classroom 302	-	Wall Panel	Wood	Negative	D	Tan	0.2	Intact	N/A	N/A
202117-X-0473	Building 3, Classroom 302	2"	Baseboard	Wood	Negative	D	White	0.1	Intact	N/A	N/A
202117-X-0474	Building 3, Classroom 302	-	Window Frame	Metal	Negative	D	Tan	0.4	Intact	N/A	N/A
202117-X-0475	Building 3, Classroom 303	-	Beam	Concrete	Negative	A	Tan	0.3	Intact	N/A	N/A
202117-X-0476	Building 3, Classroom 303	-	Wall Panel	Wood	Negative	A	Tan	0.2	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0477	Building 3, Classroom 303	2"	Baseboard	Wood	Negative	A	White	0.2	Intact	N/A	N/A
202117-X-0478	Building 3, Classroom 303	-	Sink	Porcelain	Positive	A	White	29.0	Intact	High	See 0446
202117-X-0479	Building 3, Classroom 303	-	Window Frame	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0480	Building 3, Classroom 303	-	Transite Panel	Metal	Negative	B	Tan	0.3	Intact	N/A	N/A
202117-X-0481	Building 3, Classroom 303	-	Door Frame	Metal	Negative	B	Tan	0.5	Intact	N/A	N/A
202117-X-0482	Building 3, Classroom 303	-	Wall Support	Concrete	Negative	B	Tan	0.3	Intact	N/A	N/A
202117-X-0483	Building 3, Classroom 303	-	HVAC Unit	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0484	Building 3, Classroom 303	-	Beam	Concrete	Negative	C	Tan	0.3	Intact	N/A	N/A
202117-X-0485	Building 3, Classroom 303	-	Wall Panel	Wood	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0486	Building 3, Classroom 303	2"	Baseboard	Wood	Negative	C	White	0.1	Intact	N/A	N/A
202117-X-0487	Building 3, Classroom 303	-	Wall Support	Concrete	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0488	Building 3, Classroom 303	-	Wall Panel	Wood	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0489	Building 3, Classroom 303	2"	Baseboard	Wood	Negative	D	White	0.1	Intact	N/A	N/A
202117-X-0490	Building 3, Classroom 303	-	Window Frame	Metal	Negative	D	Tan	0.5	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0491	Building 3, Classroom 304	-	Beam	Concrete	Negative	A	Tan	0.2	Intact	N/A	N/A
202117-X-0492	Building 3, Classroom 304	-	Wall Panel	Wood	Negative	A	Tan	0.2	Intact	N/A	N/A
202117-X-0493	Building 3, Classroom 304	2"	Baseboard	Wood	Negative	A	White	0.1	Intact	N/A	N/A
202117-X-0494	Building 3, Classroom 302	-	Sink	Porcelain	Positive	A	White	38.5	Intact	High	See 0446
202117-X-0495	Building 3, Classroom 304	-	Window Frame	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0496	Building 3, Classroom 304	-	Transite Panel	Metal	Negative	B	Tan	0.4	Intact	N/A	N/A
202117-X-0497	Building 3, Classroom 304	-	Door Frame	Metal	Negative	B	Tan	0.4	Intact	N/A	N/A
202117-X-0498	Building 3, Classroom 304	-	Wall Support	Concrete	Negative	B	Tan	0.3	Intact	N/A	N/A
202117-X-0499	Building 3, Classroom 304	-	HVAC Unit	Metal	Negative	B	Tan	0.0	Intact	N/A	N/A
202117-X-0500	Building 3, Classroom 304	-	Beam	Concrete	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0501	Building 3, Classroom 304	-	Wall Panel	Wood	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0502	Building 3, Classroom 304	2"	Baseboard	Wood	Negative	C	White	0.2	Intact	N/A	N/A
202117-X-0503	Building 3, Classroom 304	-	Wall Support	Concrete	Negative	D	Tan	0.3	Intact	N/A	N/A
202117-X-0504	Building 3, Classroom 304	-	Wall Panel	Wood	Negative	D	Tan	0.1	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0505	Building 3, Classroom 304	2"	Baseboard	Wood	Negative	D	White	0.1	Intact	N/A	N/A
202117-X-0506	Building 3, Classroom 304	-	Window Frame	Metal	Negative	D	Tan	0.5	Intact	N/A	N/A
202117-X-0507	Building 3, Room 305, Girls Restroom	-	Wall	Plaster/Composite Drywall	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0508	Building 3, Room 305, Girls Restroom	-	Toilet	Porcelain	Negative	A	White	0.2	Intact	N/A	N/A
202117-X-0509	Building 3, Room 305, Girls Restroom	-	Wall	Plaster/Composite Drywall	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0510	Building 3, Room 305, Girls Restroom	-	Wall	Plaster/Composite Drywall	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0511	Building 3, Room 305, Girls Restroom	-	Wall	Plaster/Composite Drywall	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0512	Building 3, Room 305, Girls Restroom	-	Sink	Porcelain	Negative	D	White	0.3	Intact	N/A	N/A
202117-X-0513	Building 3, Room 306, Storage	-	Wall	Plaster/Composite Drywall	Negative	A	Tan	0.1	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0514	Building 3, Room 306, Storage	-	Wall	Plaster/Composite Drywall	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0515	Building 3, Room 306, Storage	-	Wall	Plaster/Composite Drywall	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0516	Building 3, Room 306, Storage	-	Wall	Plaster/Composite Drywall	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0517	Building 3, Room 306, Storage	-	Ceiling	Plaster/Composite Drywall	Negative	-	Tan	0.1	Intact	N/A	N/A
202117-X-0518	Building 3, Room 307, Electrical	-	Wall	Plaster/Composite Drywall	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0519	Building 3, Room 307, Electrical	-	Wall	Plaster/Composite Drywall	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0520	Building 3, Room 307, Electrical	-	Wall	Plaster/Composite Drywall	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0521	Building 3, Room 307, Electrical	-	Wall	Plaster/Composite Drywall	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0522	Building 3, Room 307, Electrical	-	Ceiling	Plaster/Composite Drywall	Negative	-	Tan	0.1	Intact	N/A	N/A
202117-X-0523	Calibration	-	NIST	-	,	-	-	1.1	-	-	-



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0524	Calibration	-	NIST	-	-	-	-	1.0	-	-	-
202117-X-0525	Calibration	-	NIST	-	-	-	-	1.0	-	-	-
202117-X-0526	Calibration	-	NIST	-	-	-	-	1.0	-	-	-
202117-X-0527	Calibration	-	NIST	-	-	-	-	1.1	-	-	-
202117-X-0528	Calibration	-	NIST	-	-	-	-	1.0	-	-	-
202117-X-0529	Building 4, Classroom 401	-	Beam	Concrete	Negative	A	Tan	0.2	Intact	N/A	N/A
202117-X-0530	Building 4, Classroom 401	-	Wall Panel	Wood	Negative	A	Tan	0.2	Intact	N/A	N/A
202117-X-0531	Building 4, Classroom 401	2"	Baseboard	Wood	Negative	A	White	0.2	Intact	N/A	N/A
202117-X-0532	Building 4, Classroom 401	-	Sink	Porcelain	Positive	A	White	26.8	Intact	High	4 EA
202117-X-0533	Building 4, Classroom 401	-	Window Frame	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0534	Building 4, Classroom 401	-	Transite Panel	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0535	Building 4, Classroom 401	-	Door Frame	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0536	Building 4, Classroom 401	-	Wall Support	Concrete	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0537	Building 4, Classroom 401	-	HVAC Unit	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0538	Building 4, Classroom 401	-	Beam	Concrete	Negative	C	Tan	0.2	Intact	N/A	N/A
202117-X-0539	Building 4, Classroom 401	-	Wall Panel	Wood	Negative	C	Tan	0.2	Intact	N/A	N/A
202117-X-0540	Building 4, Classroom 401	2"	Baseboard	Wood	Negative	C	White	0.2	Intact	N/A	N/A
202117-X-0541	Building 4, Classroom 401	-	Wall Support	Concrete	Negative	D	Tan	0.2	Intact	N/A	N/A
202117-X-0542	Building 4, Classroom 401	-	Wall Panel	Wood	Negative	D	Tan	0.2	Intact	N/A	N/A
202117-X-0543	Building 4, Classroom 401	2"	Baseboard	Wood	Negative	D	White	0.2	Intact	N/A	N/A
202117-X-0544	Building 4, Classroom 401	-	Window Frame	Metal	Negative	D	Tan	0.2	Intact	N/A	N/A
202117-X-0545	Building 4, Classroom 402	-	Beam	Concrete	Negative	A	Tan	0.2	Intact	N/A	N/A
202117-X-0546	Building 4, Classroom 402	-	Wall Panel	Wood	Negative	A	Tan	0.2	Intact	N/A	N/A
202117-X-0547	Building 4, Classroom 402	2"	Baseboard	Wood	Negative	A	White	0.2	Intact	N/A	N/A
202117-X-0548	Building 4, Classroom 402	-	Sink	Porcelain	Positive	A	White	26.8	Intact	High	See 0532
202117-X-0549	Building 4, Classroom 402	-	Window Frame	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0550	Building 4, Classroom 402	-	Transite Panel	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0551	Building 4, Classroom 402	-	Door Frame	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0552	Building 4, Classroom 402	-	Wall Support	Concrete	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0553	Building 4, Classroom 402	-	HVAC Unit	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0554	Building 4, Classroom 402	-	Beam	Concrete	Negative	C	Tan	0.2	Intact	N/A	N/A
202117-X-0555	Building 4, Classroom 402	-	Wall Panel	Wood	Negative	C	Tan	0.2	Intact	N/A	N/A
202117-X-0556	Building 4, Classroom 402	2"	Baseboard	Wood	Negative	C	White	0.2	Intact	N/A	N/A
202117-X-0557	Building 4, Classroom 402	-	Wall Support	Concrete	Negative	D	Tan	0.2	Intact	N/A	N/A
202117-X-0558	Building 4, Classroom 402	-	Wall Panel	Wood	Negative	D	Tan	0.2	Intact	N/A	N/A
202117-X-0559	Building 4, Classroom 402	2"	Baseboard	Wood	Negative	D	White	0.2	Intact	N/A	N/A
202117-X-0560	Building 4, Classroom 402	-	Window Frame	Metal	Negative	D	Tan	0.2	Intact	N/A	N/A
202117-X-0561	Building 4, Classroom 403	-	Beam	Concrete	Negative	A	Tan	0.2	Intact	N/A	N/A
202117-X-0562	Building 4, Classroom 403	-	Wall Panel	Wood	Negative	A	Tan	0.2	Intact	N/A	N/A
202117-X-0563	Building 4, Classroom 403	2"	Baseboard	Wood	Negative	A	White	0.2	Intact	N/A	N/A
202117-X-0564	Building 4, Classroom 403	-	Sink	Porcelain	Positive	A	White	26.8	Intact	High	See 0532
202117-X-0565	Building 4, Classroom 403	-	Window Frame	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0566	Building 4, Classroom 403	-	Transite Panel	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0567	Building 4, Classroom 403	-	Door Frame	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0568	Building 4, Classroom 403	-	Wall Support	Concrete	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0569	Building 4, Classroom 403	-	HVAC Unit	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0570	Building 4, Classroom 403	-	Beam	Concrete	Negative	C	Tan	0.2	Intact	N/A	N/A
202117-X-0571	Building 4, Classroom 403	-	Wall Panel	Wood	Negative	C	Tan	0.2	Intact	N/A	N/A
202117-X-0572	Building 4, Classroom 403	2"	Baseboard	Wood	Negative	C	White	0.2	Intact	N/A	N/A
202117-X-0573	Building 4, Classroom 403	-	Wall Support	Concrete	Negative	D	Tan	0.2	Intact	N/A	N/A
202117-X-0574	Building 4, Classroom 403	-	Wall Panel	Wood	Negative	D	Tan	0.2	Intact	N/A	N/A
202117-X-0575	Building 4, Classroom 403	2"	Baseboard	Wood	Negative	D	White	0.2	Intact	N/A	N/A
202117-X-0576	Building 4, Classroom 403	-	Window Frame	Metal	Negative	D	Tan	0.2	Intact	N/A	N/A
202117-X-0577	Building 4, Classroom 404	-	Beam	Concrete	Negative	A	Tan	0.2	Intact	N/A	N/A
202117-X-0578	Building 4, Classroom 404	-	Wall Panel	Wood	Negative	A	Tan	0.2	Intact	N/A	N/A
202117-X-0579	Building 4, Classroom 404	2"	Baseboard	Wood	Negative	A	White	0.2	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0580	Building 4, Classroom 404	-	Sink	Porcelain	Positive	A	White	26.8	Intact	High	See 0532
202117-X-0581	Building 4, Classroom 404	-	Window Frame	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0582	Building 4, Classroom 404	-	Transite Panel	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0583	Building 4, Classroom 404	-	Door Frame	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0584	Building 4, Classroom 404	-	Wall Support	Concrete	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0585	Building 4, Classroom 404	-	HVAC Unit	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0586	Building 4, Classroom 404	-	Beam	Concrete	Negative	C	Tan	0.2	Intact	N/A	N/A
202117-X-0587	Building 4, Classroom 404	-	Wall Panel	Wood	Negative	C	Tan	0.2	Intact	N/A	N/A
202117-X-0588	Building 4, Classroom 404	2"	Baseboard	Wood	Negative	C	White	0.2	Intact	N/A	N/A
202117-X-0589	Building 4, Classroom 404	-	Wall Support	Concrete	Negative	D	Tan	0.2	Intact	N/A	N/A
202117-X-0590	Building 4, Classroom 404	-	Wall Panel	Wood	Negative	D	Tan	0.2	Intact	N/A	N/A
202117-X-0591	Building 4, Classroom 404	2"	Baseboard	Wood	Negative	D	White	0.2	Intact	N/A	N/A
202117-X-0592	Building 4, Classroom 404	-	Window Frame	Metal	Negative	D	Tan	0.2	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0593	Building 4, Room 405, Boys Restroom	-	Wall	Plaster/Composite Drywall	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0594	Building 4, Room 405, Boys Restroom	-	Toilet	Porcelain	Negative	A	White	0.2	Intact	N/A	N/A
202117-X-0595	Building 4, Room 405, Boys Restroom	-	Urinal	Porcelain	Negative	A	White	0.3	Intact	N/A	N/A
202117-X-0596	Building 4, Room 405, Boys Restroom	-	Wall	Plaster/Composite Drywall	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0597	Building 4, Room 405, Boys Restroom	-	Sink	Porcelain	Negative	B	White	0.1	Intact	N/A	N/A
202117-X-0598	Building 4, Room 405, Boys Restroom	-	Wall	Plaster/Composite Drywall	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0599	Building 4, Room 405, Boys Restroom	-	Wall	Plaster/Composite Drywall	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0600	Building 4, Room 406, Custodian	-	Wall	Plaster/Composite Drywall	Negative	A	Tan	0.1	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0601	Building 4, Room 406, Custodian	-	Wall	Plaster/Composite Drywall	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0602	Building 4, Room 406, Custodian	-	Wall	Plaster/Composite Drywall	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0603	Building 4, Room 406, Custodian	-	Wall	Plaster/Composite Drywall	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0604	Building 4, Room 406, Custodian	-	Mop Sink	Porcelain	Positive	D	White	30.0	Intact	High	1 EA
202117-X-0605	Building 4, Room 406, Custodian	-	Ceiling	Plaster/Composite Drywall	Negative	-	Tan	0.1	Intact	N/A	N/A
202117-X-0606	Building 4, Room 407, Electrical	-	Wall	Plaster/Composite Drywall	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0607	Building 4, Room 407, Electrical	-	Wall	Plaster/Composite Drywall	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0608	Building 4, Room 407, Electrical	-	Wall	Plaster/Composite Drywall	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0609	Building 4, Room 407, Electrical	-	Wall	Plaster/Composite Drywall	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0610	Building 4, Room 407, Electrical	-	Ceiling	Plaster/Composite Drywall	Negative	-	Tan	0.1	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0611	Building 5, Room 501, Library	-	Beam	Concrete	Negative	A	Tan	0.2	Intact	N/A	N/A
202117-X-0612	Building 5, Room 501, Library	-	Wall Panel	Wood	Negative	A	Tan	0.2	Intact	N/A	N/A
202117-X-0613	Building 5, Room 501, Library	-	Window Frame	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0614	Building 5, Room 501, Library	-	Transite Panel	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0615	Building 5, Room 501, Library	-	Door Frame	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0616	Building 5, Room 501, Library	-	Beam	Concrete	Negative	C	Tan	0.2	Intact	N/A	N/A
202117-X-0617	Building 5, Room 501, Library	-	Wall Panel	Wood	Negative	C	Tan	0.2	Intact	N/A	N/A
202117-X-0618	Building 5, Room 501, Library	-	Wall Support	Concrete	Negative	D	Tan	0.2	Intact	N/A	N/A
202117-X-0619	Building 5, Room 501, Library	-	Wall Panel	Wood	Negative	D	Tan	0.2	Intact	N/A	N/A
202117-X-0620	Building 5, Room 501, Library	-	HVAC Unit	Metal	Negative	D	Tan	0.2	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0621	Building 5, Room 501, Library	-	Window Frame	Metal	Negative	D	Tan	0.2	Intact	N/A	N/A
202117-X-0622	Building 5, Classroom 502	-	Beam	Concrete	Negative	A	Tan	0.2	Intact	N/A	N/A
202117-X-0623	Building 5, Classroom 502	-	Wall Panel	Wood	Negative	A	Tan	0.2	Intact	N/A	N/A
202117-X-0624	Building 5, Classroom 502	-	Sink	Porcelain	Positive	A	White	26.8	Intact	High	2 EA
202117-X-0625	Building 5, Classroom 502	-	Door	Wood	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0626	Building 5, Classroom 502	-	Door Frame	Wood	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0627	Building 5, Classroom 502	-	Door Jamb	Wood	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0628	Building 5, Classroom 502	-	Transite Panel	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0629	Building 5, Classroom 502	-	Door Frame	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0630	Building 5, Classroom 502	-	Window Frame	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0631	Building 5, Classroom 502	-	Beam	Concrete	Negative	C	Tan	0.2	Intact	N/A	N/A
202117-X-0632	Building 5, Classroom 502	-	Wall Panel	Wood	Negative	C	Tan	0.2	Intact	N/A	N/A
202117-X-0633	Building 5, Classroom 502	-	Wall Support	Concrete	Negative	D	Tan	0.2	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0634	Building 5, Classroom 502	-	Wall Panel	Wood	Negative	D	Tan	0.2	Intact	N/A	N/A
202117-X-0635	Building 5, Classroom 502	-	HVAC Unit	Metal	Negative	D	Tan	0.2	Intact	N/A	N/A
202117-X-0636	Building 5, Classroom 502	-	Window Frame	Metal	Negative	D	Tan	0.2	Intact	N/A	N/A
202117-X-0637	Building 5, Classroom 503	-	Beam	Concrete	Negative	A	Tan	0.2	Intact	N/A	N/A
202117-X-0638	Building 5, Classroom 503	-	Wall Panel	Wood	Negative	A	Tan	0.2	Intact	N/A	N/A
202117-X-0639	Building 5, Classroom 503	-	Sink	Porcelain	Positive	A	White	26.8	Intact	High	See 0624
202117-X-0640	Building 5, Classroom 503	-	Transite Panel	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0641	Building 5, Classroom 503	-	Door Frame	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0642	Building 5, Classroom 503	-	Window Frame	Metal	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0643	Building 5, Classroom 502	-	Wall Support	Concrete	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0644	Building 5, Classroom 503	-	Beam	Concrete	Negative	C	Tan	0.2	Intact	N/A	N/A
202117-X-0645	Building 5, Classroom 503	-	Wall Panel	Wood	Negative	C	Tan	0.2	Intact	N/A	N/A
202117-X-0646	Building 5, Classroom 503	-	Wall Support	Concrete	Negative	D	Tan	0.2	Intact	N/A	N/A
202117-X-0647	Building 5, Classroom 503	-	Wall Panel	Wood	Negative	D	Tan	0.2	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0648	Building 5, Classroom 503	-	HVAC Unit	Metal	Negative	D	Tan	0.2	Intact	N/A	N/A
202117-X-0649	Building 5, Classroom 503	-	Window Frame	Metal	Negative	D	Tan	0.2	Intact	N/A	N/A
202117-X-0650	Building 5, Room 504, Girls Restroom	-	Wall	Plaster/Composite Drywall	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0651	Building 5, Room 504, Girls Restroom	-	Toilet	Porcelain	Negative	A	White	0.3	Intact	N/A	N/A
202117-X-0652	Building 5, Room 504, Girls Restroom	-	Wall	Plaster/Composite Drywall	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0653	Building 5, Room 504, Girls Restroom	-	Sink	Porcelain	Negative	B	White	0.1	Intact	N/A	N/A
202117-X-0654	Building 5, Room 504, Girls Restroom	-	Wall	Plaster/Composite Drywall	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0655	Building 5, Room 504, Girls Restroom	-	Wall	Plaster/Composite Drywall	Negative	D	Tan	0.1	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0656	Building 5, Room 505, Storage	-	Wall	Plaster/Composite Drywall	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0657	Building 5, Room 505, Storage	-	Wall	Plaster/Composite Drywall	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0658	Building 5, Room 505, Storage	-	Wall	Plaster/Composite Drywall	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0659	Building 5, Room 505, Storage	-	Wall	Plaster/Composite Drywall	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0660	Building 5, Room 505, Storage	-	Ceiling	Plaster/Composite Drywall	Negative	-	Tan	0.1	Intact	N/A	N/A
202117-X-0661	Building 5, Room 506, Electrical	-	Wall	Plaster/Composite Drywall	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0662	Building 5, Room 506, Electrical	-	Wall	Plaster/Composite Drywall	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0663	Building 5, Room 506, Electrical	-	Wall	Plaster/Composite Drywall	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0664	Building 5, Room 506, Electrical	-	Wall	Plaster/Composite Drywall	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0665	Building 5, Room 506, Electrical	-	Ceiling	Plaster/Composite Drywall	Negative	-	Tan	0.1	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0666	Building 5, Room 507, Boys Restroom	-	Wall	Plaster/Composite Drywall	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0667	Building 5, Room 507, Boys Restroom	-	Wall	Plaster/Composite Drywall	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0668	Building 5, Room 507, Boys Restroom	-	Sink	Porcelain	Negative	B	White	0.2	Intact	N/A	N/A
202117-X-0669	Building 5, Room 507, Boys Restroom	-	Wall	Plaster/Composite Drywall	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0670	Building 5, Room 507, Boys Restroom	-	Urinal	Porcelain	Negative	C	White	0.2	Intact	N/A	N/A
202117-X-0671	Building 5, Room 507, Boys Restroom	-	Toilet	Porcelain	Negative	C	White	0.1	Intact	N/A	N/A
202117-X-0672	Building 5, Room 507, Boys Restroom	-	Wall	Plaster/Composite Drywall	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0673	Building 5, Room 508, Custodian	-	Wall	Plaster/Composite Drywall	Negative	A	Tan	0.1	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0674	Building 5, Room 508, Custodian	-	Wall	Plaster/Composite Drywall	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0675	Building 5, Room 508, Custodian	-	Wall	Plaster/Composite Drywall	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0676	Building 5, Room 508, Custodian	-	Wall	Plaster/Composite Drywall	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0677	Building 5, Room 508, Custodian	-	Mop Sink	Porcelain	Positive	D	White	29.0	Intact	High	2 EA
202117-X-0678	Building 5, Room 508, Custodian	-	Ceiling	Plaster/Composite Drywall	Negative	-	Tan	0.1	Intact	N/A	N/A
202117-X-0679	Building 5, Room 509, Storage	-	Wall	Plaster/Composite Drywall	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0680	Building 5, Room 509, Storage	-	Wall	Plaster/Composite Drywall	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0681	Building 5, Room 509, Storage	-	Wall	Plaster/Composite Drywall	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0682	Building 5, Room 509, Storage	-	Wall	Plaster/Composite Drywall	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0683	Building 5, Room 509, Storage	-	Mop Sink	Porcelain	Positive	B	White	38.0	Intact	High	See 0677



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0684	Building 5, Room 509, Storage	-	Ceiling	Plaster/Composite Drywall	Negative	-	Tan	0.1	Intact	N/A	N/A
202117-X-0685	Calibration	-	NIST	-	-	-	-	1.0	-	-	-
202117-X-0686	Calibration	-	NIST	-	-	-	-	1.1	-	-	-
202117-X-0687	Calibration	-	NIST	-	-	-	-	1.0	-	-	-
202117-X-0688	Calibration	-	NIST	-	-	-	-	1.0	-	-	-
202117-X-0689	Calibration	-	NIST	-	-	-	-	1.1	-	-	-
202117-X-0690	Calibration	-	NIST	-	-	-	-	1.1	-	-	-
202117-X-0691	Building 1, Classroom 101	-	Beam	Concrete	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0692	Building 1, Classroom 101	-	Wall Panel	Wood	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0693	Building 1, Classroom 101	2"	Baseboard	Wood	Negative	A	White	0.1	Intact	N/A	N/A
202117-X-0694	Building 1, Classroom 101	-	Sink	Porcelain	Positive	A	White	31.0	Intact	High	4 EA
202117-X-0695	Building 1, Classroom 101	-	Wall Support	Concrete	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0696	Building 1, Classroom 101	-	Transite Panel	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0697	Building 1, Classroom 101	-	Window Frame	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0698	Building 1, Classroom 101	-	HVAC Unit	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0699	Building 1, Classroom 101	-	Beam	Concrete	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0700	Building 1, Classroom 101	-	Wall Panel	Wood	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0701	Building 1, Classroom 101	2"	Baseboard	Wood	Negative	C	White	0.1	Intact	N/A	N/A
202117-X-0702	Building 1, Classroom 101	-	Wall Support	Concrete	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0703	Building 1, Classroom 101	-	Wall Panel	Wood	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0704	Building 1, Classroom 101	2"	Baseboard	Wood	Negative	D	White	0.1	Intact	N/A	N/A
202117-X-0705	Building 1, Classroom 101	-	Window Frame	Metal	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0706	Building 1, Classroom 102	-	Beam	Concrete	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0707	Building 1, Classroom 102	-	Wall Panel	Wood	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0708	Building 1, Classroom 102	2"	Baseboard	Wood	Negative	A	White	0.1	Intact	N/A	N/A
202117-X-0709	Building 1, Classroom 102	-	Sink	Porcelain	Positive	A	White	31.0	Intact	High	See 0694
202117-X-0710	Building 1, Classroom 102	-	Wall Support	Concrete	Negative	B	Tan	0.1	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0711	Building 1, Classroom 102	-	Transite Panel	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0712	Building 1, Classroom 102	-	Transite Panel	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0713	Building 1, Classroom 102	-	Window Frame	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0714	Building 1, Classroom 102	-	HVAC Unit	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0715	Building 1, Classroom 102	-	Beam	Concrete	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0716	Building 1, Classroom 102	-	Wall Panel	Wood	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0717	Building 1, Classroom 102	2"	Baseboard	Wood	Negative	C	White	0.1	Intact	N/A	N/A
202117-X-0718	Building 1, Classroom 102	-	Wall Support	Concrete	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0719	Building 1, Classroom 102	-	Wall Panel	Wood	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0720	Building 1, Classroom 102	2"	Baseboard	Wood	Negative	D	White	0.1	Intact	N/A	N/A
202117-X-0721	Building 1, Classroom 102	-	Window Frame	Metal	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0722	Building 1, Classroom 103	-	Beam	Concrete	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0723	Building 1, Classroom 103	-	Wall Panel	Wood	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0724	Building 1, Classroom 103	2"	Baseboard	Wood	Negative	A	White	0.1	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0725	Building 1, Classroom 103	-	Sink	Porcelain	Positive	A	White	31.0	Intact	High	See 0694
202117-X-0726	Building 1, Classroom 103	-	Wall Support	Concrete	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0727	Building 1, Classroom 103	-	Transite Panel	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0728	Building 1, Classroom 103	-	Transite Panel	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0729	Building 1, Classroom 103	-	Window Frame	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0730	Building 1, Classroom 103	-	HVAC Unit	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0731	Building 1, Classroom 103	-	Beam	Concrete	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0732	Building 1, Classroom 103	-	Wall Panel	Wood	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0733	Building 1, Classroom 103	2"	Baseboard	Wood	Negative	C	White	0.1	Intact	N/A	N/A
202117-X-0734	Building 1, Classroom 103	-	Wall Support	Concrete	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0735	Building 1, Classroom 103	-	Wall Panel	Wood	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0736	Building 1, Classroom 103	2"	Baseboard	Wood	Negative	D	White	0.1	Intact	N/A	N/A
202117-X-0737	Building 1, Classroom 103	-	Window Frame	Metal	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0738	Building 1, Classroom 104	-	Beam	Concrete	Negative	A	Tan	0.1	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0739	Building 1, Classroom 104	-	Wall Panel	Wood	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0740	Building 1, Classroom 104	2"	Baseboard	Wood	Negative	A	White	0.1	Intact	N/A	N/A
202117-X-0741	Building 1, Classroom 104	-	Sink	Porcelain	Positive	A	White	31.0	Intact	High	See 0694
202117-X-0742	Building 1, Classroom 104	-	Wall Support	Concrete	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0743	Building 1, Classroom 104	-	Transite Panel	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0744	Building 1, Classroom 104	-	Transite Panel	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0745	Building 1, Classroom 104	-	Window Frame	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0746	Building 1, Classroom 104	-	HVAC Unit	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0747	Building 1, Classroom 104	-	Beam	Concrete	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0748	Building 1, Classroom 104	-	Wall Panel	Wood	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0749	Building 1, Classroom 104	2"	Baseboard	Wood	Negative	C	White	0.1	Intact	N/A	N/A
202117-X-0750	Building 1, Classroom 104	-	Wall Support	Concrete	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0751	Building 1, Classroom 104	-	Wall Panel	Wood	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0752	Building 1, Classroom 104	2"	Baseboard	Wood	Negative	D	White	0.1	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0753	Building 1, Classroom 104	-	Window Frame	Metal	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0754	Building 1, Room 105, Boys Restroom	-	Wall	Plaster/Composite Drywall	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0755	Building 1, Room 105, Boys Restroom	-	Wall	Plaster/Composite Drywall	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0756	Building 1, Room 105, Boys Restroom	-	Sink	Porcelain	Negative	B	White	0.2	Intact	N/A	N/A
202117-X-0757	Building 1, Room 105, Boys Restroom	-	Wall	Plaster/Composite Drywall	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0758	Building 1, Room 105, Boys Restroom	-	Urinal	Porcelain	Negative	C	White	0.2	Intact	N/A	N/A
202117-X-0759	Building 1, Room 105, Boys Restroom	-	Toilet	Porcelain	Negative	C	White	0.4	Intact	N/A	N/A
202117-X-0760	Building 1, Room 105, Boys Restroom	-	Wall	Plaster/Composite Drywall	Negative	D	Tan	0.1	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0761	Building 1, Room 106, Custodian	-	Wall	Plaster/Composite Drywall	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0762	Building 1, Room 106, Custodian	-	Wall	Plaster/Composite Drywall	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0763	Building 1, Room 106, Custodian	-	Wall	Plaster/Composite Drywall	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0764	Building 1, Room 106, Custodian	-	Mop Sink	Porcelain	Positive	C	White	29.0	Intact	High	1 EA
202117-X-0765	Building 1, Room 106, Custodian	-	Wall	Plaster/Composite Drywall	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0766	Building 1, Room 106, Custodian	-	Ceiling	Plaster/Composite Drywall	Negative	-	Tan	0.1	Intact	N/A	N/A
202117-X-0767	Building 1, Room 107, Electrical	-	Wall	Plaster/Composite Drywall	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0768	Building 1, Room 107, Electrical	-	Wall	Plaster/Composite Drywall	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0769	Building 1, Room 107, Electrical	-	Wall	Plaster/Composite Drywall	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0770	Building 1, Room 107, Electrical	-	Wall	Plaster/Composite Drywall	Negative	D	Tan	0.1	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0771	Building 1, Room 107, Electrical	-	Ceiling	Plaster/Composite Drywall	Negative	-	Tan	0.1	Intact	N/A	N/A
202117-X-0772	Building 2, Classroom 201	-	Beam	Concrete	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0773	Building 2, Classroom 201	-	Wall Panel	Wood	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0774	Building 2, Classroom 201	2"	Baseboard	Wood	Negative	A	White	0.1	Intact	N/A	N/A
202117-X-0775	Building 2, Classroom 201	-	Sink	Porcelain	Positive	A	White	31.0	Intact	High	4 EA
202117-X-0776	Building 2, Classroom 201	-	Wall Support	Concrete	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0777	Building 2, Classroom 201	-	Transite Panel	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0778	Building 2, Classroom 201	-	Transite Panel	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0779	Building 2, Classroom 201	-	Window Frame	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0780	Building 2, Classroom 201	-	HVAC Unit	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0781	Building 2, Classroom 201	-	Beam	Concrete	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0782	Building 2, Classroom 201	-	Wall Panel	Wood	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0783	Building 2, Classroom 201	2"	Baseboard	Wood	Negative	C	White	0.1	Intact	N/A	N/A

<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0784	Building 2, Classroom 201	-	Wall Support	Concrete	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0785	Building 2, Classroom 201	-	Wall Panel	Wood	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0786	Building 2, Classroom 201	2"	Baseboard	Wood	Negative	D	White	0.1	Intact	N/A	N/A
202117-X-0787	Building 2, Classroom 201	-	Window Frame	Metal	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0788	Building 2, Classroom 202	-	Beam	Concrete	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0789	Building 2, Classroom 202	-	Wall Panel	Wood	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0790	Building 2, Classroom 202	2"	Baseboard	Wood	Negative	A	White	0.1	Intact	N/A	N/A
202117-X-0791	Building 2, Classroom 202	-	Sink	Porcelain	Positive	A	White	31.0	Intact	High	See 0775
202117-X-0792	Building 2, Classroom 202	-	Wall Support	Concrete	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0793	Building 2, Classroom 202	-	Transite Panel	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0794	Building 2, Classroom 202	-	Transite Panel	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0795	Building 2, Classroom 202	-	Window Frame	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0796	Building 2, Classroom 202	-	HVAC Unit	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0797	Building 2, Classroom 202	-	Beam	Concrete	Negative	C	Tan	0.1	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0798	Building 2, Classroom 202	-	Wall Panel	Wood	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0799	Building 2, Classroom 202	2"	Baseboard	Wood	Negative	C	White	0.1	Intact	N/A	N/A
202117-X-0800	Building 2, Classroom 202	-	Wall Support	Concrete	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0801	Building 2, Classroom 202	-	Wall Panel	Wood	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0802	Building 2, Classroom 202	2"	Baseboard	Wood	Negative	D	White	0.1	Intact	N/A	N/A
202117-X-0803	Building 2, Classroom 202	-	Window Frame	Metal	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0804	Building 2, Classroom 203	-	Beam	Concrete	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0805	Building 2, Classroom 203	-	Wall Panel	Wood	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0806	Building 2, Classroom 203	2"	Baseboard	Wood	Negative	A	White	0.1	Intact	N/A	N/A
202117-X-0807	Building 2, Classroom 203	-	Sink	Porcelain	Positive	A	White	31.0	Intact	High	See 0775
202117-X-0808	Building 2, Classroom 203	-	Wall Support	Concrete	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0809	Building 2, Classroom 203	-	Transite Panel	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0810	Building 2, Classroom 203	-	Transite Panel	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0811	Building 2, Classroom 203	-	Window Frame	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0812	Building 2, Classroom 203	-	HVAC Unit	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0813	Building 2, Classroom 203	-	Beam	Concrete	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0814	Building 2, Classroom 203	-	Wall Panel	Wood	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0815	Building 2, Classroom 203	2"	Baseboard	Wood	Negative	C	White	0.1	Intact	N/A	N/A
202117-X-0816	Building 2, Classroom 203	-	Wall Support	Concrete	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0817	Building 2, Classroom 203	-	Wall Panel	Wood	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0818	Building 2, Classroom 203	2"	Baseboard	Wood	Negative	D	White	0.1	Intact	N/A	N/A
202117-X-0819	Building 2, Classroom 203	-	Window Frame	Metal	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0820	Building 2, Classroom 204	-	Beam	Concrete	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0821	Building 2, Classroom 204	-	Wall Panel	Wood	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0822	Building 2, Classroom 204	2"	Baseboard	Wood	Negative	A	White	0.1	Intact	N/A	N/A
202117-X-0823	Building 2, Classroom 204	-	Sink	Porcelain	Positive	A	White	31.0	Intact	High	See 0775
202117-X-0824	Building 2, Classroom 204	-	Wall Support	Concrete	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0825	Building 2, Classroom 204	-	Transite Panel	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0826	Building 2, Classroom 204	-	Transite Panel	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0827	Building 2, Classroom 204	-	Window Frame	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0828	Building 2, Classroom 204	-	HVAC Unit	Metal	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0829	Building 2, Classroom 204	-	Beam	Concrete	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0830	Building 2, Classroom 204	-	Wall Panel	Wood	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0831	Building 2, Classroom 204	2"	Baseboard	Wood	Negative	C	White	0.1	Intact	N/A	N/A
202117-X-0832	Building 2, Classroom 204	-	Wall Support	Concrete	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0833	Building 2, Classroom 204	-	Wall Panel	Wood	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0834	Building 2, Classroom 204	2"	Baseboard	Wood	Negative	D	White	0.1	Intact	N/A	N/A
202117-X-0835	Building 2, Classroom 204	-	Window Frame	Metal	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0836	Building 2, Room 205, Girls Restroom	-	Wall	Plaster/Composite Drywall	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0837	Building 2, Room 205, Girls Restroom	-	Wall	Plaster/Composite Drywall	Negative	B	Tan	0.1	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0838	Building 2, Room 205, Girls Restroom	-	Sink	Porcelain	Negative	B	White	0.2	Intact	N/A	N/A
202117-X-0839	Building 2, Room 205, Girls Restroom	-	Wall	Plaster/Composite Drywall	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0840	Building 2, Room 205, Girls Restroom	-	Toilet	Porcelain	Negative	C	White	0.4	Intact	N/A	N/A
202117-X-0841	Building 2, Room 205, Girls Restroom	-	Wall	Plaster/Composite Drywall	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0842	Building 2, Room 206, Storage	-	Wall	Plaster/Composite Drywall	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0843	Building 2, Room 206, Storage	-	Wall	Plaster/Composite Drywall	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0844	Building 2, Room 206, Storage	-	Wall	Plaster/Composite Drywall	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0845	Building 2, Room 206, Storage	-	Wall	Plaster/Composite Drywall	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0846	Building 2, Room 206, Storage	-	Ceiling	Plaster/Composite Drywall	Negative	-	Tan	0.1	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0847	Building 2, Room 207, Electrical	-	Wall	Plaster/Composite Drywall	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0848	Building 2, Room 207, Electrical	-	Wall	Plaster/Composite Drywall	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0849	Building 2, Room 207, Electrical	-	Wall	Plaster/Composite Drywall	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0850	Building 2, Room 207, Electrical	-	Wall	Plaster/Composite Drywall	Negative	D	Tan	0.1	Intact	N/A	N/A
202117-X-0851	Building 2, Room 207, Electrical	-	Ceiling	Plaster/Composite Drywall	Negative	-	Tan	0.1	Intact	N/A	N/A
202117-X-0852	Calibration	-	NIST	-	-	-	-	1.0	-	-	-
202117-X-0853	Calibration	-	NIST	-	-	-	-	1.1	-	-	-
202117-X-0854	Calibration	-	NIST	-	-	-	-	1.0	-	-	-
202117-X-0855	Calibration	-	NIST	-	-	-	-	1.0	-	-	-
202117-X-0856	Calibration	-	NIST	-	-	-	-	1.1	-	-	-
202117-X-0857	Calibration	-	NIST	-	-	-	-	1.1	-	-	-
202117-X-0858	Kindergarten, Room 1	-	Sliding Door	Metal	Negative	A	Tan	0.1	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0859	Kindergarten, Room 1	-	Door Frame	Metal	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0860	Kindergarten, Room 1	-	Window Frame	Metal	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0861	Kindergarten, Room 1	-	Post	Metal	Negative	A	White	0.1	Intact	N/A	N/A
202117-X-0862	Kindergarten, Room 1	-	Post	Metal	Negative	A	White	0.1	Intact	N/A	N/A
202117-X-0863	Kindergarten, Room 1	-	Wall Panel	Wood	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0864	Kindergarten, Room 1	-	Baseboard	Wood	Negative	B	White	0.2	Intact	N/A	N/A
202117-X-0865	Kindergarten, Room 1	-	Beam	Concrete	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0866	Kindergarten, Room 1	-	Wall Panel	Wood	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0867	Kindergarten, Room 1	-	Baseboard	Wood	Negative	B	White	0.2	Intact	N/A	N/A
202117-X-0868	Kindergarten, Room 1	-	Window Frame	Metal	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0869	Kindergarten, Room 1	-	HVAC Unit	Metal	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0870	Kindergarten, Room 1	-	Wall Panel	Wood	Negative	D	Tan	0.2	Intact	N/A	N/A
202117-X-0871	Kindergarten, Room 1	-	Baseboard	Wood	Negative	D	White	0.2	Intact	N/A	N/A
202117-X-0872	Kindergarten, Room 1	-	Sink	Porcelain	Positive	D	White	29.0	Intact	High	3 EA



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0873	Kindergarten, Room 1 and Room 2	-	Sink	Porcelain	Positive	A	White	27.0	Intact	High	See 0872
202117-X-0874	Kindergarten, Room 2	-	Sliding Door	Metal	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0875	Kindergarten, Room 2	-	Door Frame	Metal	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0876	Kindergarten, Room 2	-	Window Frame	Metal	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0877	Kindergarten, Room 2	-	Post	Metal	Negative	A	Yellow	0.1	Intact	N/A	N/A
202117-X-0878	Kindergarten, Room 2	-	Post	Metal	Negative	A	Yellow	0.5	Intact	N/A	N/A
202117-X-0879	Kindergarten, Room 2	-	Wall Panel	Wood	Negative	B	Tan	0.2	Intact	N/A	N/A
202117-X-0880	Kindergarten, Room 2	-	Baseboard	Wood	Negative	B	White	0.2	Intact	N/A	N/A
202117-X-0881	Kindergarten, Room 2	-	Sink	Porcelain	Positive	B	White	29.0	Intact	High	See 0872
202117-X-0882	Kindergarten, Room 2	-	Beam	Concrete	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0883	Kindergarten, Room 2	-	Wall Panel	Wood	Negative	C	Tan	0.2	Intact	N/A	N/A
202117-X-0884	Kindergarten, Room 2	-	Baseboard	Wood	Negative	C	White	0.2	Intact	N/A	N/A
202117-X-0885	Kindergarten, Room 2	-	Window Frame	Metal	Negative	C	Tan	0.1	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0886	Kindergarten, Room 2	-	HVAC Unit	Metal	Negative	C	Tan	0.1	Intact	N/A	N/A
202117-X-0887	Kindergarten, Room 2	-	Wall Panel	Wood	Negative	D	Tan	0.2	Intact	N/A	N/A
202117-X-0888	Kindergarten, Room 2	-	Baseboard	Wood	Negative	D	White	0.2	Intact	N/A	N/A
202117-X-0889	Kindergarten, Room 2	-	Beam	Concrete	Negative	B	Tan	0.1	Intact	N/A	N/A
202117-X-0890	Kindergarten, Girl's Restroom	-	Toilet	Porcelain	Negative	B	White	0.2	Intact	N/A	N/A
202117-X-0891	Kindergarten, Boy's Restroom	-	Toilet	Porcelain	Negative	D	White	0.2	Intact	N/A	N/A
202117-X-0892	Kindergarten, Boy's Restroom	-	Urinal	Porcelain	Negative	D	White	0.2	Intact	N/A	N/A
202117-X-0893	Kindergarten, Girl's Restroom	-	Wall	Plaster/Composite Drywall	Negative	C	Yellow	0.3	Intact	N/A	N/A
202117-X-0894	Kindergarten, Boy's Restrooms	-	Wall	Plaster/Composite Drywall	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0895	Kindergarten, Girl's Restroom	-	Door	Wood	Negative	A	Yellow	0.3	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0896	Kindergarten, Girl's Restroom	-	Door Frame	Wood	Negative	A	Yellow	0.4	Intact	N/A	N/A
202117-X-0897	Kindergarten, Girl's Restroom	-	Door Jamb	Wood	Negative	A	Yellow	0.2	Intact	N/A	N/A
202117-X-0898	Administration Building, Nurse's Office	-	Wall	Plaster/Composite Drywall	Negative	D	White	0.1	Intact	N/A	N/A
202117-X-0899	Administration Building, Nurse's Office	-	Window Frame	Wood	Negative	C	White	0.1	Intact	N/A	N/A
202117-X-0900	Administration Building, Nurse's Office	-	Sink	Porcelain	Positive	B	White	25.0	Intact	High	1 EA
202117-X-0901	Administration Building, Nurse's Office	-	Cabinet	Wood	Negative	B	Light Blue	0.1	Intact	N/A	N/A
202117-X-0902	Administration Building, Nurse's Office	-	Door	Wood	Negative	A	Tan	0.3	Intact	N/A	N/A
202117-X-0903	Administration Building, Nurse's Office	-	Door Frame	Metal	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0904	Administration Building, Nurse's Office	-	Door Jamb	Metal	Negative	A	White	0.2	Intact	N/A	N/A
202117-X-0905	Administration Building, Hallway	-	Wall	Plaster/Composite Drywall	Negative	B	Yellow	0.1	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0906	Administration Building, Hallway	-	Baseboard	Wood	Negative	B	White	0.1	Intact	N/A	N/A
202117-X-0907	Administration Building, Hallway	-	Wall	Wood	Negative	B	White	0.1	Intact	N/A	N/A
202117-X-0908	Administration Building, Hallway	-	Door	Wood	Negative	A	White	0.1	Intact	N/A	N/A
202117-X-0909	Administration Building, Hallway	-	Door Frame	Metal	Negative	A	Tan	0.1	Intact	N/A	N/A
202117-X-0910	Administration Building, Hallway	-	Door Jamb	Metal	Negative	A	White	0.2	Intact	N/A	N/A
202117-X-0911	Administration Building, Principals Office	-	Window Frame	Wood	Negative	D	White	0.1	Intact	N/A	N/A
202117-X-0912	Administration Building, Principals Office	-	Wall	Plaster/Composite Drywall	Negative	D	Light Blue	0.2	Intact	N/A	N/A
202117-X-0913	Administration Building, Principals Office	-	Door	Wood	Negative	D	White	0.1	Intact	N/A	N/A
202117-X-0914	Administration Building, Principals Office	-	Door Frame	Metal	Negative	D	White	0.1	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0915	Administration Building, Principals Office	-	Door Jamb	Metal	Negative	D	White	0.1	Intact	N/A	N/A
202117-X-0916	Administration Building, Principals Office	-	Baseboard	Wood	Negative	D	Light Blue	0.1	Intact	N/A	N/A
202117-X-0917	Administration Building, Restrooms	-	Wall	Plaster/Composite Drywall	Negative	A	White	0.2	Intact	N/A	N/A
202117-X-0918	Administration Building, Restrooms	-	Sink	Porcelain	Negative	B	White	0.3	Intact	N/A	N/A
202117-X-0919	Administration Building, Restrooms	-	Toilet	Porcelain	Negative	B	White	0.2	Intact	N/A	N/A
202117-X-0920	Administration Building, Kitchen	-	Wall	Plaster/Composite Drywall	Negative	B	White	0.2	Intact	N/A	N/A
202117-X-0921	Administration Building, Kitchen	-	Door	Wood	Negative	B	White	0.2	Intact	N/A	N/A
202117-X-0922	Administration Building, Kitchen	-	Door Frame	Wood	Negative	B	White	0.2	Intact	N/A	N/A
202117-X-0923	Administration Building, Kitchen	-	Door Jamb	Wood	Negative	B	White	0.2	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0924	Administration Building, Teacher's Lounge	-	Wall	Plaster/Composite Drywall	Negative	A	Light Blue	0.2	Intact	N/A	N/A
202117-X-0925	Administration Building, Teacher's Lounge	-	Door	Wood	Negative	A	White	0.2	Intact	N/A	N/A
202117-X-0926	Administration Building, Teacher's Lounge	-	Door Frame	Wood	Negative	A	White	0.2	Intact	N/A	N/A
202117-X-0927	Administration Building, Teacher's Lounge	-	Door Jamb	Wood	Negative	A	White	0.2	Intact	N/A	N/A
202117-X-0928	Administration Building, Room 710, Stock Room	-	Wall	Plaster/Composite Drywall	Negative	C	Off-White	0.3	Intact	N/A	N/A
202117-X-0929	Multi-Purpose Building, Multi-Purpose Room	-	Wall	Plaster/Composite Drywall	Negative	A	Blue	0.3	Intact	N/A	N/A
202117-X-0930	Multi-Purpose Building, Multi-Purpose Room	-	Wall	Plaster/Composite Drywall	Negative	A	Yellow	0.3	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0931	Multi-Purpose Building, Multi-Purpose Room	-	Wall Panel	Wood	Negative	A	White	0.1	Intact	N/A	N/A
202117-X-0932	Multi-Purpose Building, Multi-Purpose Room	-	Beam	Concrete	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0933	Multi-Purpose Building, Kitchen	-	Wall	Plaster/Composite Drywall	Negative	A	White	0.3	Intact	N/A	N/A
202117-X-0934	Multi-Purpose Building, Kitchen	-	Wall	Plaster/Composite Drywall	Negative	B	White	0.2	Intact	N/A	N/A
202117-X-0935	Multi-Purpose Building, Kitchen	-	Wall	Plaster/Composite Drywall	Negative	C	White	0.3	Intact	N/A	N/A
202117-X-0936	Multi-Purpose Building, Kitchen	-	Wall	Plaster/Composite Drywall	Negative	D	White	0.1	Intact	N/A	N/A
202117-X-0937	Multi-Purpose Building, Restroom	-	Wall	Plaster/Composite Drywall	Negative	D	White	0.2	Intact	N/A	N/A
202117-X-0938	Multi-Purpose Building, Restroom	-	Toilet	Porcelain	Negative	D	White	0.1	Intact	N/A	N/A
202117-X-0939	Multi-Purpose Building, Restroom	-	Sink	Porcelain	Negative	D	White	0.2	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0940	Multi-Purpose Building, Restroom	-	Door	Wood	Negative	C	Tan	0.2	Intact	N/A	N/A
202117-X-0941	Administration Building, Exterior	-	Painted Line on Floor	Concrete	Positive	A	Yellow	1.1	Intact	High	40 LF
202117-X-0942	Multi-Purpose Building, Exterior	-	Painted Line on Floor	Concrete	Negative	D	Yellow	0.8	Intact	N/A	N/A
202117-X-0943	Building 3, Classroom 301	-	Painted Line on Floor	Concrete	Positive	D	Yellow	1.5	Intact	High	20 LF
202117-X-0944	Building 3, Classroom 302	-	Painted Line on Floor	Concrete	Positive	D	Yellow	1.4	Intact	High	See 0943
202117-X-0945	Building 3, Classroom 303	-	Painted Line on Floor	Concrete	Positive	D	Yellow	1.1	Intact	High	See 0943
202117-X-0946	Building 3, Classroom 304	-	Painted Line on Floor	Concrete	Positive	D	Yellow	1.2	Intact	High	See 0943
202117-X-0947	Building 4, Classroom 401	-	Painted Line on Floor	Concrete	Positive	D	Yellow	1.1	Intact	High	20 LF
202117-X-0948	Building 4, Classroom 402	-	Painted Line on Floor	Concrete	Positive	D	Yellow	1.4	Intact	High	See 0947
202117-X-0949	Building 4, Classroom 403	-	Painted Line on Floor	Concrete	Positive	D	Yellow	1.0	Intact	High	See 0947



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0950	Building 4, Classroom 404	-	Painted Line on Floor	Concrete	Positive	D	Yellow	1.7	Intact	High	See 0947
202117-X-0951	Building 5, Room 501, Library	-	Painted Line on Floor	Concrete	Positive	D	Yellow	1.5	Intact	High	15 LF
202117-X-0952	Building 5, Room 501, Library	-	Painted Line on Floor	Concrete	Positive	D	Yellow	1.4	Intact	High	See 0951
202117-X-0953	Building 5, Classroom 503	-	Painted Line on Floor	Concrete	Positive	D	Yellow	1.0	Intact	High	See 0951
202117-X-0954	Building 1, Classroom 101	-	Painted Line on Floor	Concrete	Negative	D	Yellow	0.8	Intact	N/A	N/A
202117-X-0955	Building 1, Classroom 102	-	Painted Line on Floor	Concrete	Positive	D	Yellow	1.0	Intact	High	15 LF
202117-X-0956	Building 1, Classroom 103	-	Painted Line on Floor	Concrete	Positive	D	Yellow	1.0	Intact	High	See 0955
202117-X-0957	Building 1, Classroom 104	-	Painted Line on Floor	Concrete	Positive	D	Yellow	1.1	Intact	High	See 0955
202117-X-0958	Building 2, Classroom 201	-	Painted Line on Floor	Concrete	Positive	D	Yellow	1.1	Intact	High	20 LF
202117-X-0959	Building 2, Classroom 202	-	Painted Line on Floor	Concrete	Positive	D	Yellow	1.0	Intact	High	See 0958



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0960	Building 2, Classroom 203	-	Painted Line on Floor	Concrete	Positive	D	Yellow	1.0	Intact	High	See 0958
202117-X-0961	Building 2, Classroom 204	-	Painted Line on Floor	Concrete	Positive	D	Yellow	1.4	Intact	High	See 0958
202117-X-0962	Courtyard	-	Painted Line on Floor	Concrete	Negative	-	Yellow	0.1	Intact	N/A	N/A
202117-X-0963	Courtyard	-	Painted Line on Floor	Concrete	Negative	-	Green	0.2	Intact	N/A	N/A
202117-X-0964	Courtyard	-	Painted Line on Floor	Concrete	Negative	-	Red	0.3	Intact	N/A	N/A
202117-X-0965	Courtyard	-	Painted Line on Floor	Concrete	Negative	-	Blue	0.2	Intact	N/A	N/A
202117-X-0966	Portico (Near Multi-Purpose Building)	-	Soffit	Wood	Negative	A	Tan	0.2	Intact	N/A	N/A
202117-X-0967	Portico (Near Multi-Purpose Building)	-	Flashing	Metal	Positive	A	Blue	3.0	Intact	High	50 LF
202117-X-0968	Portico (Near Multi-Purpose Building)	-	Fascia	Wood	Negative	A	Blue	0.3	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0969	Portico (Near Multi-Purpose Building)	-	Flashing	Metal	Positive	B	Blue	3.0	Intact	Low	5 LF
202117-X-0970	Portico (Near Multi-Purpose Building)	-	Fascia	Wood	Negative	B	Blue	0.3	Intact	N/A	N/A
202117-X-0971	Portico (Near Multi-Purpose Building)	-	Flashing	Metal	Positive	C	Blue	3.0	Intact	Low	5 LF
202117-X-0972	Portico (Near Multi-Purpose Building)	-	Fascia	Wood	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0973	Portico (Near Multi-Purpose Building)	-	Post	Metal	Negative	C	Black	0.3	Intact	N/A	N/A
202117-X-0974	Portico (Near Buildings 3 and 4)	-	Soffit	Wood	Negative	A	Tan	0.2	Intact	N/A	N/A
202117-X-0975	Portico (Near Buildings 3 and 4)	-	Flashing	Metal	Negative	A	Blue	0.5	Intact	N/A	N/A
202117-X-0976	Portico (Near Buildings 3 and 4)	-	Fascia	Wood	Negative	A	Blue	0.6	Intact	N/A	N/A
202117-X-0977	Portico (Near Buildings 3 and 4)	-	Flashing	Metal	Negative	B	Blue	0.6	Intact	N/A	N/A
202117-X-0978	Portico (Near Buildings 3 and 4)	-	Fascia	Wood	Negative	B	Blue	0.2	Intact	N/A	N/A



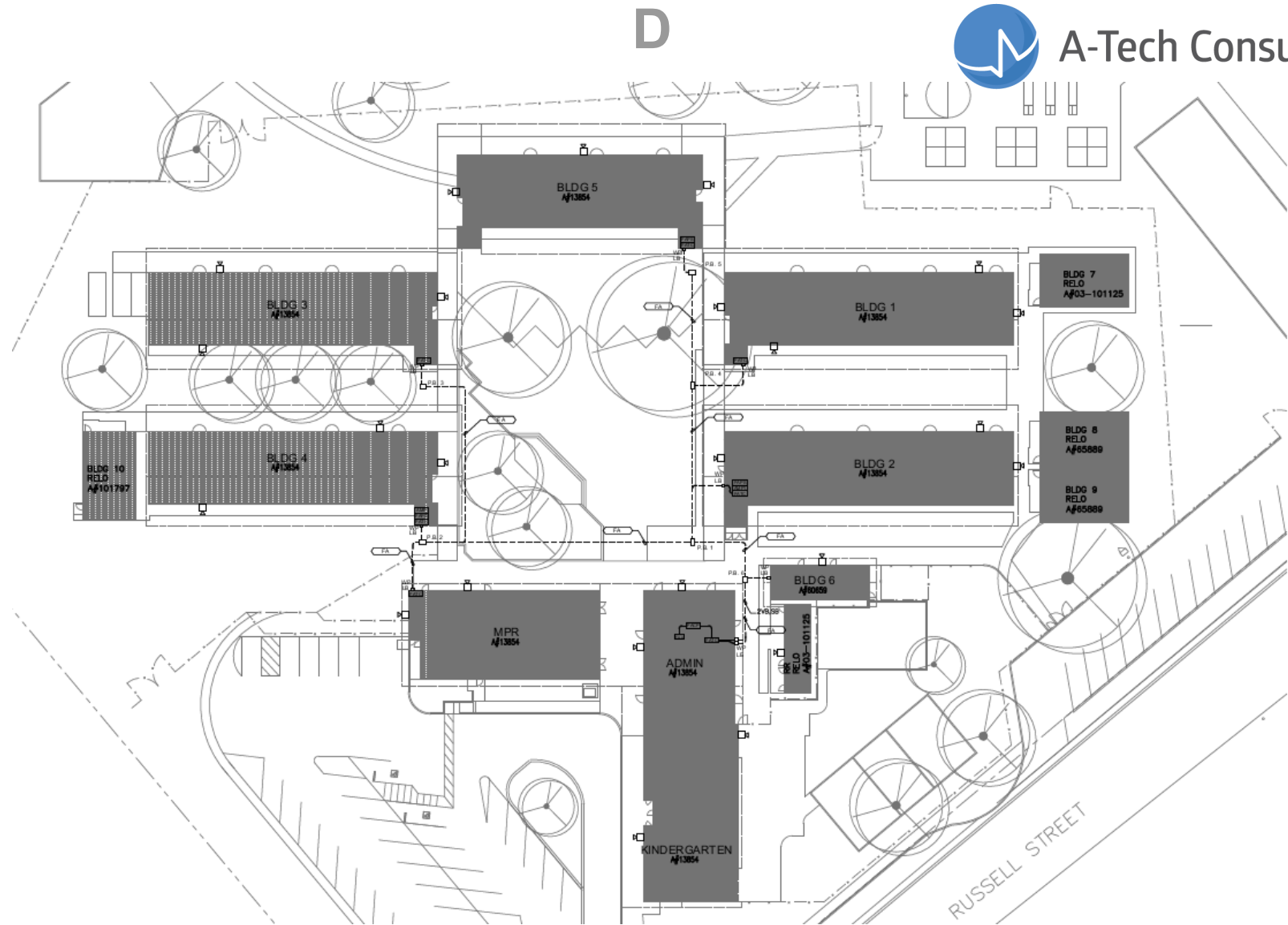
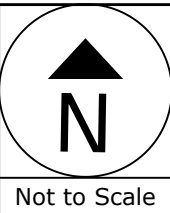
<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0979	Portico (Near Buildings 3 and 4)	-	Flashing	Metal	Negative	C	Blue	0.3	Intact	N/A	N/A
202117-X-0980	Portico (Near Buildings 3 and 4)	-	Fascia	Wood	Negative	C	Blue	0.2	Intact	N/A	N/A
202117-X-0981	Portico (Near Buildings 1 and 2)	-	Soffit	Wood	Negative	A	Tan	0.2	Intact	N/A	N/A
202117-X-0982	Portico (Near Buildings 1 and 2)	-	Flashing	Metal	Negative	A	Blue	0.5	Intact	N/A	N/A
202117-X-0983	Portico (Near Buildings 1 and 2)	-	Fascia	Wood	Negative	A	Blue	0.3	Intact	N/A	N/A
202117-X-0984	Portico (Near Buildings 1 and 2)	-	Flashing	Metal	Negative	B	Blue	0.8	Intact	N/A	N/A
202117-X-0985	Portico (Near Buildings 1 and 2)	-	Fascia	Wood	Negative	B	Blue	0.2	Intact	N/A	N/A
202117-X-0986	Portico (Near Buildings 1 and 2)	-	Flashing	Metal	Negative	C	Blue	0.5	Intact	N/A	N/A
202117-X-0987	Portico (Near Buildings 1 and 2)	-	Fascia	Wood	Negative	C	Blue	0.2	Intact	N/A	N/A
202117-X-0988	Lunch Canopy	-	Soffit	Wood	Negative	-	Tan	0.2	Intact	N/A	N/A



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-0989	Lunch Canopy	-	Fascia	Wood	Negative	A	Blue	0.6	Intact	N/A	N/A
202117-X-0990	Lunch Canopy	-	Flashing	Metal	Negative	A	Blue	0.5	Intact	N/A	N/A
202117-X-0991	Lunch Canopy	-	Fascia	Wood	Negative	B	Blue	0.2	Intact	N/A	N/A
202117-X-0992	Lunch Canopy	-	Flashing	Metal	Negative	B	Blue	0.4	Intact	N/A	N/A
202117-X-0993	Lunch Canopy	-	Fascia	Wood	Negative	C	Blue	0.1	Intact	N/A	N/A
202117-X-0994	Lunch Canopy	-	Flashing	Metal	Negative	C	Blue	0.5	Intact	N/A	N/A
202117-X-0995	Lunch Canopy	-	Fascia	Wood	Negative	D	Blue	0.2	Intact	N/A	N/A
202117-X-0996	Lunch Canopy	-	Flashing	Metal	Negative	D	Blue	0.5	Intact	N/A	N/A
202117-X-0997	Lunch Canopy	-	Post	Metal	Negative	C	Black	0.3	Intact	N/A	N/A
202117-X-0998	Portico (Near Buildings 3 and 4)	-	Post	Metal	Negative	C	Black	0.3	Intact	N/A	N/A
202117-X-0999	Portico (Near Buildings 1 and 2)	-	Post	Metal	Negative	C	Black	0.3	Intact	N/A	N/A
202117-X-1000	Calibration	-	NIST	-	-	-	-	1.0	-	-	-
202117-X-1001	Calibration	-	NIST	-	-	-	-	1.1	-	-	-



<u>Sample Number</u>	<u>Area</u>	<u>Dimension</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
202117-X-1003	Calibration	-	NIST	-	-	-	-	1.1	-	-	-



Macy Elementary School

Site Drawing - Lead - Page 1 of 1

Macy Elementary School
2301 Russell Street
La Habra, California 90631

Project #: Atch-202117

Lowell Joint School District

Digital Photographs - Lead

Client: Lowell Joint School District

Project #Atch-202117

Macy Elementary School
2301 Russell Street
La Habra, California 90631



View of Blue Metal Flashing



View of Blue Metal Rain Gutter



View of White Porcelain Water Fountain



View of Yellow Concrete Floor



View of Off-White Metal Bracket



View of Blue Metal Vent



View of Blue Wood Door



View of White Porcelain Sink



View of White Porcelain Mop Sink



View of Yellow Painted Line

LEAD HAZARD EVALUATION REPORT

Section 1 – Date of Lead Hazard Evaluation

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

Lead Inspection
 Risk assessment
 Clearance Inspection
 Other (specify)

Section 3 – Structure Where Lead Hazard Evaluation Was Conducted

Address [number, street, apartment (if applicable)]		City	County	Zip Code
Construction date (year) of structure	Type of structure	Children living in structure?		
	<input type="checkbox"/> Multi-unit building <input type="checkbox"/> School or daycare <input type="checkbox"/> Single family dwelling <input type="checkbox"/> Other 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know		


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

Name		Telephone number	
Address [number, street, apartment (if applicable)]		City	State
		Zip Code	

Section 5 – Results of Lead Hazard Evaluation (check all that apply)

No lead-based paint detected
 Intact lead-based paint detected
 Deteriorated lead-based paint detected
 No lead hazards detected
 Lead-contaminated dust found
 Lead-contaminated soil found
 Other

Section 6 – Individual Conducting Lead Hazard Evaluation

Name		Telephone number	
Address [number, street, apartment (if applicable)]		City	State
		Zip Code	
CDPH certification number	Signature	Date	
			

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

EXHIBIT II

SITE PLAN

Macy – 006

Building Identification

