November 18, 2019

TO : All Bidders
FROM : Mark Graham
PROJECT : Barton Elementary School Modernization
          Project 1720100.41
SUBJECT : Addendum 1
DSA : 04-118157 / File 36-55

The following changes, omissions, and/or additions to the Project Manual and/or Drawings shall apply to proposals made for and to the execution of the various parts of the work affected thereby, and all other conditions shall remain the same.

Careful note of the Addendum shall be taken by all parties of interest so that the proper allowances may be made in strict accordance with the Addendum, and that all trades shall be fully advised in the performance of the work which will be required of them.

Bidder shall acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

In case of conflict between Drawings, Project Manual, and this Addendum, this Addendum shall govern.

1. ADD ALTERNATES

   1.1 NO. 1 - All roller shades identified for all buildings other than Building "A", per Specification Section 12 24 00 will be an Add Alternate 1 for this project. Building "A" roller shades shall be part of the base bid.

   1.2 NO. 2 - See attached SK18 for Add Alternate 2. This will include all landscape and irrigation improvements as shown on Landscape drawings that affect the area clouded on SK18. All irrigation, valves, timers, and plantings shall be required for remaining planter areas not called out in SK18. All other items shall be in the base bid for a complete and operational system.

GENERAL

   1.3 Contractor to paint the underside of the roof overhangs on both east and west side of Building A. East side has large canopy overhang with several conduits that shall be painted as well.

   1.4 Contractor to provide 60 linear feet of 4' high tackable wall board in Lounge A8. Locations to be determined during construction. See specification for tackable wall board requirements.
1.5 Revise Elevations 6/A6.1 to include a dishwasher and tile backsplash per attached SK3.

1.6 See attached “Materials List” for selected colors and materials for this project.

1.7 See attached “Phasing Plan” for critical dates, times, temporary fencing location, and basic site requirements that shall be observed during construction and items that may affect the contractor’s bid.

1.8 Contractor shall remove and dispose of all red plastic fence slats around trash enclosure and replace with new gray slats. This will be approximately 60 linear feet of 6'H material, plus labor.

1.9 Provide 3’ wide x 8’ high Contra Vision Performance perforated window film white on black polymeric vinyl Grayliner 20% transparency on aluminum store front door at Building “A”. Graphic image to be provided by Architect at later date.

1.10 Contractor shall keep the fire alarm fully operational during the entire remodel, including school holidays and breaks. Currently, it is located in Building "A" where the bulk of work is occurring.

1.11 Contractor shall keep the bells/school clock operational at all times while school is in session. Coordinate with the District for requirements over summertime hours.

1.12 Contractor shall provide concrete yard boxes with steel vandal proof lids for inground shut-off valves as shown between Buildings A and C. Repair all concrete surfaces to original.

1.13 See attached renderings for Building “A” exterior paint finish. Multiple colors and shapes are proposed.

1.14 Contractor to provide CAT 5E cable from Building “A” to irrigation control box via underground 3/4” PVC conduit. Connect to IDF in A.V. Stor A9.

1.15 See attached Asbestos Report and Lead Report for information pertaining to Project Manual Section 01 11 00.

1.16 All work in Building "MU", Restrooms & Sidewalk as noted in the drawings shall be completed between June 6, 2020 and July 19, 2020.

**PROJECT MANUAL**

1.16 SECTION 01 11 00 - SUMMARY OF WORK

A. Delete this section in its entirety and replace it with the attached Section 01 11 00.
1.17 SECTION 02 41 19 - SELECTIVE DEMOLITION
   A. Add this attached section in its entirety.

1.18 SECTION 08 80 00 - GLAZING
   A. Revise - 2.6 Laminated Glass Products
      1. Glass: Class 1 - “Clear for both plies”.
      2. Color of plastic Interlayer - “Color selected by Architect”.

1.19 SECTION 09 30 12 - CERAMIC TILE WALL FINISHING
   A. Add this attached section in its entirety

1.20 SECTION 09 30 15 - PORCELAIN TILE WALL FINISHING
   A. Delete this section in its entirety.

1.21 SECTION 09 65 71 - TEXTILE SHEET FLOORING
   A. Delete this section in its entirety.

1.22 SECTION 09 68 13 - TILE CARPETING
   A. Delete this section in its entirety.

1.23 SECTION 12 24 00 - WINDOW SHADES CLUTCH XD OPERATED WINDOW SHADES
   A. Add this attached section in its entirety.

1.24 SECTION 12 24 13 - ROLLER SHADES
   A. Delete this Section 12 24 13 in its entirety and replace it with the attached Section 12 24 00.

DRAWINGS

1.25 GENERAL ITEMS FOR ALL TRADES
   A. “LANSCAPE” shall be replaced with “LANDSCAPE” typical throughout.
   B. All “BATHROOMS” shall be replaced with “RESTROOMS”.
   C. Revise all interior painting of Building A per attached SK16.
Civil

1.26 DRAWING C2.02
   A. Delete this drawing in its entirety and replace it with the attached Drawing C2.02.

Landscape

1.27 DRAWING LI.1 - LANDSCAPE IRRIGATION PLAN
   A. Delete this drawing in its entirety and replace it with the attached Drawing LI.1.

1.28 DRAWING LID.1 - LANDSCAPE DETAILS SHEET
   A. Delete this drawing in its entirety and replace it with the attached Drawing LID.1.

1.29 DRAWING LP.1 - LANDSCAPE PLANTING PLAN
   A. Delete this drawing in its entirety and replace it with the attached Drawing LP.1.

1.30 DRAWING LPD.1 - LANDSCAPE PLANTING DETAILS SHEET
   A. Delete this drawing in its entirety and replace it with the attached Drawing LPD.1.

Architectural

1.31 DRAWING A2.1
   A. GENERAL NOTES
      1. Revise Note 3 - “all interior walls are attached to roof structure”.
      2. Note 8
         a. Revise “TI” to “to”.
         b. Revise “/-/” to “3/-”.
         c. Revise “and new slab at 48”” to “and new dowel bars at 48”.
   B. Legend
      1. Revise “CONCRETE” TO “CONCRETE” in diagonal line hatch.
   C. Detail 1
      1. Revise dimension from 5'-0” to 6'-0”. See attached SK1.
1.32 DRAWING A2.3

A. REFERENCE NOTES
   1. Revise Note 0113 to “Demo and dispose of existing door and frame”.
   2. Revise Note 0122 to read “Remove all wall material down to wood studs”.

B. Detail 4
   1. Add note “entire room to receive chair rail per 5/6.3”.

1.33 DRAWING A3.1

A. Detail 3
   1. Add “AND BUILDING C” to detail title.

B. Detail 4
   1. Add “AND BUILDING C” to detail title.

1.34 DRAWING A4.1

A. Delete this drawing in its entirety and replace it with the attached Drawing A4.1.

1.35 DRAWING A6.1

A. REFERENCE NOTES
   1. Delete Reference Note 0908 in its entirety.

B. Detail 1
   1. Remove “½” from upper casework typical.

C. Detail 2
   1. Revise Reference Notes 0908 to 0909.
   2. Detail 3

D. Detail 3C
   1. Remove “½” from upper casework typical.
E. Detail 3D
   1. Revise Reference Notes 0908 to 0909.

F. Detail 3F
   1. Replace detail with attached 1/SK2 and new detail with the attached 2/SK2.

G. Detail 6
   1. Add tile backsplash per attached SK3.
   2. Revise elevations 6/A6.1 to include a dishwasher and tile backsplash.
      See SK3.

H. Detail 19
   1. Revise Reference Note 0908 to 0909.

1.36 DRAWING A6.3 - INTERIOR ELEVATIONS (Refer to clouded areas on attached drawing)
   A. Add MU elevations for wall finishes.
   B. Add chair rail detail.

1.37 DRAWING A6.2
   A. Revise wall tile layout. Replace Detail 15 with attached SK4.
   B. Revise wall tile layout. Replace Detail 16 with attached SK5.
   C. Revise wall tile layout. Replace Detail 24 with attached SK6.

1.38 DRAWING A7.1
   A. Detail 4
      1. Relocate section callout to new location. See attached SK7.

1.39 DRAWING A7.2
   A. Detail 1
      1. Detail 1 shall be “west” elevation.
   B. Detail 2
      1. Detail 2 shall be “west” elevation.
C. Detail 3
   1. Replace with attached SK8 for new glass colors.

1.40 DRAWING 2.1
A. Detail 10
   1. Add dimension - width for top of seat wall to be 18". See attached SK9.
   2. Revise drip edge and break MTL cover. See attached SK10.

1.41 DRAWING 6.1
A. Detail 1
   1. Revise Note 9 from “Dimesions” to “Dimensions”.

1.42 DRAWING 8.1
A. DOOR FRAME LEGEND
   1. Detail Frame 3
      a. Add note calling out camera on Jamb and provide roller shades. See attached SK11.
   2. Detail Frame 2
      a. Remove frame Type 2 in its entirety.

B. DOOR SCHEDULE
   1. Remove Door A1C in its entirety (this door will be a double swinging casework door with no latch).
   2. Door A2A - change HT to 7'-0".
   3. Door A1A - add “4” in remarks column.
   5. Door C111 - Add 12” x 12” door louver. See attached SK17.

C. WINDOW SCHEDULE COLUMN REFERENCE GUIDE
   1. Replace with new Detail 7 per attached SK14.
1.43 DRAWING 9.1

A. Detail 1
1. Revise Note 1 to read “Ref 12 and 13/S4.1 for head detail”.
2. Revise Note 2 to read “Ref 7/9.1 and 5/S4.1 for base detail”.

B. Detail 4
1. Add “Ceramic Tile where occurs” and add leader (arrow), pointing to tiles.

C. Detail 9
1. Room Finish Schedule - remove all carpeting (CPT) from flooring and replace with luxury vinyl tile (LVT) for all rooms.

D. Detail 10
1. Delete “ext plaster fin...” in its entirety.
2. Add “Ceramic Tile where occurs” and add leaders to both wall tiles.

E. Detail 16
1. Revise “TI” to “to”.

F. Detail 20
1. Delete “(N) WINDOW REF SCHEDULE” and add insulation graphic in wall cavity above double sills. See attached SK15.

Structural

1.44 DRAWING S2.1 - BUILDINGS A AND C - FOUNDATION PLANS
A. Delete this drawing in its entirety and replace it with the attached Drawing S2.1.

1.45 DRAWING S2.2 - BUILDINGS A AND C - ROOF PLANS AND ELEVATIONS
A. Delete this drawing in its entirety and replace it with the attached Drawing S2.2.
Mechanical

1.46 M2.1 (Refer to clouded areas on attached drawing)
   A. Refrigerant piping penetration location relocated.
   B. Condensing Unit CU-1 now shown on newly added attached Roof Plan Drawing M2.2.
   C. Existing return grille relocated to correct location.
   D. Door louver added to Toilet C108A. Keynote 7 also added indicating this.
   E. Additional comments added to Keynote 2 for clarification.
   F. Duct size through roof revised on Keynote 3.
   G. Keynote 4 was removed.

1.47 M2.2 (Refer to clouded areas on attached drawing)
   A. Add this new attached Drawing M2.2 in its entirety.

1.48 M3.1 (Refer to clouded areas on attached drawing)
   A. Additional notes on Detail 4/M3.1 have been added for clarification.

Electrical

1.49 GENERAL ITEMS FOR ALL TRADES
   A. The word “Minte” shall mean “Minute” typical throughout.

1.50 DRAWING E0.2 (Refer to clouded areas on attached drawing)
   A. Panel schedule “CL” added.
   B. Lighting fixture “F” mounting height and catalog number revised.
   C. Lighting fixture “D” catalog number revised.

1.51 DRAWING E1.1 (Refer to clouded areas on attached drawing)
   A. Revise Panel “AB” from “E” to “RR”.

1.52 DRAWING E2.1 (Refer to clouded areas on attached drawing)
   A. Light fixture in Building A, Room “A8” turned 90°.
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B. Move exterior light fixture “F”.

1.53 DRAWING E2.2 (Refer to clouded areas on attached drawing)

A. Detail 1
   1. Add power for hand dryer in restrooms.
   2. Move master clock to Reception “A1”.
   3. Add Note 10 to Reception “A1” desk.

B. Detail 2
   1. Revise Panel “AB” in Room “A8” to “RR” from “E”.

BID DOCUMENTS SECTION DIVISION 00
A. BID FORM
   1. Added two alternates to the BID FORM

END OF ADDENDUM 1

Submitted by,
MARK GRAHAM
Architect, AIA
LEED™ GA
NOMA
Principal

MG: SJ: gs/P41720100x1-add

Attachments: Materials List
             Phasing Plan
             Rendering for Building A
             Asbestos Report and Lead Report
             Section 01 11 00 - Summary of Work
             Section 02 41 19 - Selective Demolition
             Section 09 30 12 - Ceramic Tile Wall Finishing
             Section 12 24 00 - Roller Shades
             Drawings: A6.3, A4.1, C2.02, LI.1, LD.1, LP.1, LPD.1, 1/SK2, 2/SK2, 3/SK2, SK1, SK2,
             SK3, SK4, SK5, SK6, SK7, SK8, SK9, SK10, SK11, SK14, SK15, SK16, SK17, SK18, S2.1, S2.2,
             M2.1, M2.2, M3.1, E0.2, E1.1, E2.1, E2.2, BID FORM
4. Alternate Bids: N/A

ALTERNATE NO. 1 - All roller shades identified for all buildings other than Building "A", per Specification Section 12 24 00 will be an Add Alternate 1 for this project. Building "A" roller shades shall be part of the base bid. $ _______________________

ALTERNATE NO. 2 - See attached SK18 for Add Alternate 2. This will include all landscape and irrigation improvements as shown on Landscape drawings that affect the area clouded on SK18. All irrigation, valves, timers, and plantings shall be required for remaining planter areas not called out in SK18. All other items shall be in the base bid for a complete and operational system. $ _______________________

5. TIME FOR COMPLETION: The DISTRICT may give a notice to proceed within ninety (90) days of the award of the bid by the DISTRICT. Once the CONTRACTOR has received the notice to proceed, the CONTRACTOR shall complete the work in the time specified in the Agreement. By submitting this bid, CONTRACTOR has thoroughly studied this Project and agrees that the time period for this Project was adequate for the timely and proper completion of the Project. Further, CONTRACTOR has included in the analysis of the time required for this Project, Rain Days, Governmental Delays, and the requisite time to complete Punch List.

In the event that the DISTRICT desires to postpone giving the notice to proceed beyond this ninety (90) day period, it is expressly understood that with reasonable notice to the CONTRACTOR, giving the notice to proceed may be postponed by the DISTRICT. It is further expressly understood by the CONTRACTOR, that the CONTRACTOR shall not be entitled to any claim of additional compensation as a result of the postponement of giving the notice to proceed.

If the CONTRACTOR believes that a postponement will cause a hardship to it, the CONTRACTOR may terminate the contract with written notice to the DISTRICT within ten (10) days after receipt by the CONTRACTOR of the DISTRICT’s notice of postponement. Should the CONTRACTOR terminate the contract as a result of a notice of postponement, the DISTRICT shall have the authority to award the contract to the next lowest responsible bidder, if applicable.

It is understood that the DISTRICT reserves the right to reject any or all bids and/or waive any irregularities or informalities in this bid or in the bid process. The CONTRACTOR understands that it may not withdraw this bid for a period of ninety (90) days after the date set for the opening of bids.

6. Attached is bid security in the amount of not less than ten percent (10%) of the total bid:
   Bid bond (10% of the Bid), certified check, or cashier’s check (circle one)

7. The required List of Designated Subcontractors is attached hereto.

8. The required Non-Collusion Declaration is attached hereto.

9. The Substitution Request Form, if applicable, is attached hereto.

10. It is understood and agreed that if written notice of the acceptance of this bid is mailed, telegraphed, or delivered to the undersigned after the opening of the bid, and within the time this bid is required to remain open, or at any time thereafter before this bid is withdrawn, the undersigned will execute and deliver to the DISTRICT a contract in the form attached hereto in accordance with the bid as accepted, and that he will also furnish and deliver to the DISTRICT the Performance Bond and Payment Bond, all within five (5) calendar days after award of contract, and that the work under the contract shall be commenced by the undersigned bidder, if awarded the contract, by the start date provided in the DISTRICT’s Notice to Proceed, and shall be completed by the CONTRACTOR in the time specified in the contract documents.

11. All notices or other correspondence should be addressed to the undersigned at the address stated below:

Bid No. F19-10 Barton ES Modernization
San Bernardino City Unified School District
SECTION 01 11 00

SUMMARY OF WORK

PART 1 - GENERAL

1.01 SECTION INCLUDES

A. Summary of the Work of these Contract Documents for the construction of:

Barton Elementary School Modernization

Architect's Name: WLC Architects, Mark Graham, Principal, 909.987.0909

1.02 GENERAL

A. Work under this Contract includes furnishing all labor, materials, services and transportation which is required for completion of the Project at the Barton Elementary School (Barton ES) site in accordance with the Contract Documents.

B. The Contract Time for completion shall be that shown in the Construction Progress Schedule.

Once the CONTRACTOR has received a notice to proceed, the CONTRACTOR shall complete the work within 5 calendar months from receipt of the notice to proceed. It is expressly understood that time is of the essence.

C. At the Barton ES school site, the work is to be performed within a portion of an active school campus. All work shall be conducted in a manner that does not impact the health and safety of school staff, students, site workers and project personnel, adjacent property owners, and/or the general public. Contractor shall at all times employ safety practices and environmental controls which take into consideration the fact that work is being performed on an active school campus. All work shall be performed in a manner which maximizes safety.

D. Contract Drawings: The Drawings provided with and identified in the Project Manual are the Drawings referenced in the Agreement.

1. The location, extent and configuration of the required construction and improvements are shown and noted on Drawings.

a. The Drawings are referenced in the Agreement.

b. An index of Drawings is included in the set of Drawings.

2. Drawings are arranged into series according to design discipline. Such organization and all references to trades, subcontractor, specialty contractor or supplier shall not control the Contractor in dividing the Work among subcontractors or in establishing the extent of the Work to be performed by any trade.

3. Where the terms "as shown", "as indicated", "as noted", "as detailed", "as scheduled", or terms of like meaning, are used in the Drawings or Specifications, it shall be understood that reference is being made to the Drawings referenced in the Agreement.

4. Where reference to the word "plans" is made anywhere in Drawings, Specifications and related Contract Documents, it shall be understood to mean the Drawings referenced in the Agreement.

E. Contractor's Safety Performance Requirement: SBCUSD places safety and safe work practices at a premium, especially in regard to operations on active District campuses.

F. All work shall be performed in a manner that minimizes impact to the environment, minimizes waste and maximizes the amount of salvageable material recovered throughout the project(s).
G. All work shall be performed in a manner that minimizes noise and vibration impacts to the adjacent classrooms, school operations and surrounding neighborhood. In some cases, loud or high vibration activities may have to be rescheduled to accommodate school instructional or testing activities. Such activities may require work on weekends or during holiday breaks. Cost of rescheduling and of off hours work shall be at Contractor’s expense. Holiday break periods for the 2019-20 school year are as follows:

- Labor Day: 9/2/19
- October 7th: 10/7/19
- Veteran’s Day: 11/11/19
- Thanksgiving: 11/25/19 – 11/29/19
- Winter Break: 12/23/19-1/10/20
- MLK Day: 1/20/20
- Lincoln’s Birthday: 2/10/20
- President’s Day: 2/17/20
- Memorial Day: 5/25/20
- Summer Break: Begins 6/06/20, Ends 07/19/20

H. All work shall be performed in a manner that protects existing infrastructure, landscaping, and other structures designated to remain.

I. All work shall be performed in a manner that meets the District’s expectation for safe work execution, as well as adherence to schedule and project budget.

1.03 Background

A. Barton Elementary School Modernization:

1. The Barton ES campus is located within a predominantly residential community. The school is located at 2214 Pumalo Street.

2. Work of this contract shall include:

   a. Revise ADA parking stall on southwest parking lot from a double ADA stall to a single ADA stall.
   b. Revise site entry. This includes, a new ramp, new stairs, new planter, new handrails and guardrails.
   c. Remodel interior of Building A, with new storefront entry, new exterior windows, new restrooms, and new interior finishes including casework and new ceilings. New light fixtures and reworking of ducts to occur.
   d. Replace classroom window blinds at Buildings B, C, D, and E.
   e. Replace exterior drinking fountains at Building C.
   f. Replace existing interior finishes in MU Room.
   g. Add new restroom at Building C and upgrade existing restrooms at Building B.

3. All of the above work will occur at Barton Elementary School for the San Bernardino City Unified School District, Owner.

4. The scope shall also include temporary fencing and signage as required to designate staff and separate visitor parking areas, student drop off, as well as contractor’s laydown areas. Areas shall be fenced and demarcated to safely route and protect student, staff, visitors, construction site personnel and the general public.


C. Environmental Site Assessment Report: * Insert Name / Date / Consultant - if available *

D. Underground Utilities: * Insert Name / Date / Consultant - if available *
1.04 EXISTING CONDITIONS
Certain information relating to existing surface and subsurface conditions and structures is available to bidders as follows:
   1. Original copy is available for inspection at District's offices during normal business hours.

1.05 BIDDER'S INVESTIGATIONS
A. Bidder's Investigation: Bidder shall visit site and become familiar with site conditions at the project site.
   1. Bidder may, at Bidder's own expense and prior to bidding, make soil surveys and investigations Bidder considers necessary, following written notification to and approval by the District representative.
   2. Bidder assumes risk that soil and underground conditions may be other than that indicated in soil investigation data.
B. Procedures:
   1. Obtain authorization from authorized District Representative prior to start of borings or subsurface investigations.
   2. Immediately upon completion of Bidder's subsurface investigation, return site areas affected by investigations to condition existing prior to start of Bidder subsurface investigations as directed by District Representative.

1.06 WORK COMPONENTS
The following work components are required by the Contract, Technical Specifications and Bid Proposal Exhibits and text of this RFP:
A. Activities Prior to Start of On-site Work:
   1. Obtain ALL permits necessary to perform the scope of work.
   2. Prepare and file all required notifications, including but not limited to South Coast Air Quality Management District (SCAQMD) Rule 1403 required notifications. SCAQMD Notifications must be filed at least 10 days before the start of work.
   3. Submit and fully adhere to Contractor's health and safety plan in full compliance with CalOSHA, SCAQMD, and project specifications. Site work may not proceed until this plan is delivered to and accepted by District.
   4. District has contracted a survey of asbestos, lead-based paint and other hazardous wastes to confirm presence of these materials. (See survey reports – Attached in Addendum 1)
   5. Identify and procure the services of licensed waste haulers and properly permitted Waste Disposal/Management Facilities for the transportation and disposal of all material generated during hazardous materials abatement and demolition activities.
   6. Submit a detailed work schedule for the project for review and acceptance by District.
B. Hazardous Material Abatement and/or Mitigation activities are to include abatement of but are not limited to the following materials as listed in sections 1.06 B.1, 2, and 3 below:
   2. Asbestos Containing Materials (ACMs)
      Asbestos was not detected:
   3. Lead-Based Paint (LBP) and Lead containing items;
      Lead was detected above concentrations greater than 1.0 mg/cm2 in the following:
      a. On plaster wall, staff room East: White
      b. On metal DF, staff room North: Green
c. On stucco, ext, admin bldg: Tan

d. Beige paint on plaster: Beige

4. All ACMs must be abated prior to commencing demolition activities. The asbestos abatement must be performed by a Cal/OSHA licensed asbestos abatement contractor using methods in accordance with Title 8 of California Code of Regulations (CCR) 1529 and South Coast Air Quality Management District Rule 1403.

5. Contractor shall be responsible for the all required employee training, regulatory agency notifications, jobsite signage as well as proper removal and disposal of any/all hazardous materials designated to be removed or that are encountered in the course of the project(s).

6. Any/all hazardous materials abatement work shall be completed between the hours of 4:00 p.m. and 7:00 a.m., or during holidays or weekends when school is not in session.

   i. Other Hazardous Materials.

   a. Fluorescent light fixtures with PCB containing ballasts were not observed in the subject Barton ES buildings, but may be present.

      i. Any/All lighting ballasts which are not clearly marked “No PCBs” or “PCB Free” shall be assumed to contain PCBs, and shall be removed intact, packaged, and disposed of appropriately as hazardous waste. All other ballasts may be incinerated or recycled at an appropriate disposal site.

      ii. All fluorescent tubes will be disposed as universal waste. Remaining bulbs will be disposed according to applicable regulations.

   b. Smoke detectors were observed in the subject buildings.

      i. Smoke detectors designated to be removed shall be disassembled by Contractor and categorized as either ionization detector (radioactive) or photoelectric detectors, which can be completed by checking for the required radioactive stickers on the baseplates. Photoelectric detectors may be discarded as construction debris. Ionization detectors will require appropriate off-site disposal per appropriate regulations.

   c. Exit signs

      i. Contractor shall disassemble signs to confirm whether they are paper, electric or tritium. Paper and electric may be disposed as construction debris. Tritium shall be disposed off-site according to regulations.

4. Campus Systems to Remain Operational:

   a. Various campus systems and utilities are to remain operational during the demolition and construction effort.

      i. All campus utilities shall remain operational throughout the project, including but not limited to:

         1. Electrical service
         2. Water
         3. Irrigation
         4. Storm drains
         5. Sewer
         6. Natural gas
         7. Telephone
         8. Data (Ethernet and or cable service)

      ii. Fire Alarm System shall remain operational.

      iii. Campus synchronized clock and bells system shall remain operational.

      iv. The campus public address system shall remain operational.
5. Demolition
   a. All employees engaged in selective demolition activities shall be instructed regarding the contents of the Contractor’s Health & Safety Plan(s).
   b. Any/all demolition shall be performed in a manner that emphasizes and maximizes the safety of students, staff, area residents as well as project personnel and support staff.
   c. Demolition shall be performed in a manner that does not encroach upon or cause damage to adjacent properties and structures.
   d. Demolition shall be performed in a manner that facilitates safe and efficient handling and load out of materials for disposal.
   e. The sequence of Demolition, material stockpiling, loadout, transport, and disposal shall be performed in a manner that promotes a smooth workflow to meet schedule milestones.
   f. Contractor shall take measures to protect in place adjacent trees and landscaping designated to remain.

6. Construction
   a. All employees engaged in construction activities shall be instructed regarding the contents of the Contractor’s Health & Safety Plan(s).
   b. Any/all construction shall be performed in a manner that emphasizes and maximizes the safety of students, staff, area residents as well as project personnel and support staff.
   c. Any/all construction shall be performed in full compliance with project plans, specifications, and documents.
   d. Any/all construction shall be performed in full compliance with regulatory requirements.

1.07 SEQUENCING OF WORK
   A. Proper regulatory notifications must be filed and Health & Safety plans be submitted, and permits be secured prior to commencing site work. Proof of filing of regulatory agency notifications will be required prior to start of work.
   B. Installation of perimeter fencing and screening must be completed prior to initiation of other site activities.
   C. Hazardous Materials Abatement work must be completed, inspected and approved by the District representative and/or District consultant prior to the start of any demolition.

1.08 PERMITS, LICENSES AND FEES
   A. Permits:
      1. For Work included in the Contract, Contractor shall obtain all permits from authorities having jurisdiction including but not limited to City of San Bernardino, serving utility companies and other state and local regulatory agencies.
      2. District will reimburse Contractor for amount charged for such permits, without mark-up.
   B. Licenses and certifications:
      1. Contractor shall obtain and pay all licenses and certifications associated with project demolition, abatement and construction activities, such as business licenses, contractors’ licenses and vehicle and equipment licenses.
      2. All costs for licenses shall be included in the Contract Sum.
   C. Assessments:
      1. District will pay all assessments and utility service connection fees. Costs of assessments shall not be included in the Contract Sum.
D. Test and Inspection Fees:
   1. Contractor shall pay all fees charged by authorities having jurisdiction and from serving utility companies and agencies, for tests and inspections conducted by those authorities, companies and agencies.
   2. District will reimburse Contractor for actual amount of such fees, without mark-up.
   3. Refer to Section 01 40 00 - Quality Requirements for additional information on tests and inspections and responsibility for payment of fees.

END OF SECTION
SECTION 02 41 19
SELECTIVE DEMOLITION

1. PART 1  GENERAL

1.1 SECTION INCLUDES

A. Removal of designated building equipment and fixtures.

B. Removal of designated construction.

C. Disposal of materials.

D. Cap and identify utilities.

E. Temporary partitions to allow building occupancy.

F. Temporary fire protection.

G. Schedule of materials and equipment.

1.2 DEFINITIONS

A. Remove: Detach items from existing construction and legally dispose of them off-site.

B. Disposal: Removal off-site of demolition waste and subsequently deposit in landfill acceptable to authorities having jurisdiction.

C. Existing to Remain: Items of construction that are not to be removed and that are not indicated to be removed.

1.3 MATERIALS OWNERSHIP

A. Historic items, relics, cornerstones, commemorative plaques, tablets and similar objects encountered during demolition are to remain the Owner’s property.

B. Carefully remove each item in a manner to prevent damage and deliver to Owner.

1.4 SUBMITTALS

A. Predemolition Photographs: Show conditions of exiting adjacent construction and site improvements that might be misconstrued as damaged by demolition operations. Submit before work begins.

B. Record Documents: Submit under provisions of Section 01 77 00. Accurately record locations of utilities and subsurface obstructions.

1.5 REGULATORY REQUIREMENTS

A. Conform to applicable codes for demolition work, safety of structure, electrical disconnection and reconnection dust control and disposal of materials.

B. Comply with California Fire Code (CFC), California Code of Regulations, (CCR) Title 24, Part 9, Chapter 5 - Fire Service Features and Chapter 33 - Fire Safety During Construction and Demolition.

C. Obtain required permits from authorities.

D. Notify affected utility companies before starting work and comply with their requirements.

E. Do not close or obstruct egress width to exits.
F. Do not disable or disrupt building fire or life safety systems without 3 day prior written notice to the Owner.

1.6 EXISTING CONDITIONS
A. Areas of buildings to be demolished will be evacuated and their use discontinued before start of work.
B. Owner will occupy building(s) adjacent to demolition area. Conduct demolition so owner’s operation will not be disrupted.
C. Provide at least 72 hour notice to Owner of activities that will affect Owner’s operation.
D. Maintain access to existing walkways, exits and other adjacent occupied facilities.
E. Owner assumes no responsibility for areas of buildings to be demolished.
F. Hazardous Materials: It is not anticipated that hazardous materials will be encountered in the work.
   1. Hazardous materials will be removed by Owner before start of work.
   2. Hazardous materials will be removed by Owner under separate contract.
   3. If materials suspected of containing hazardous materials are encountered, do not disturb. Notify Architect.
   4. Conform to applicable regulatory procedures when discovering hazardous or contaminated materials.

1.7 SCHEDULING
A. Schedule work under provisions of Section 01 32 17.
B. Schedule Work to coincide with new construction, owner occupancy.
C. Perform work during normal hours of operation, or 4:00 p.m. to 11:00 p.m.
D. Notify Owner in writing 5 days in advance of any required work to be performed on a weekend or holiday.
E. Perform noisy, malodorous, dusty, or dangerous work:
   1. Between the hours of 4:00 p.m. and 11:00 p.m.
F. Coordinate utility and building service interruptions with Owner.
G. Schedule tie-ins to existing systems to minimize disruption.
H. Coordinate Work to ensure fire sprinklers, fire alarms, smoke detectors, emergency lighting, exit signs and other life safety systems remain in full operation in occupied areas.

1.8 PROJECT CONDITIONS
A. Conduct demolition to minimize interference with adjacent and occupied building areas.
B. Cease operations immediately if structure appears to be in danger and notify Architect. Do not resume operations until directed.

2. PART 2 PRODUCTS
Not Used.
3. PART 3  EXECUTION

3.1 EXAMINATION
   A. Correlate existing conditions with requirements indicated.
   B. Inventory and record condition of items to be removed and salvaged.
   C. Execute predemolition photographs.
   D. Verify that hazardous waste remediation is complete.

3.2 PREPARATION
   A. Existing Utilities: Locate, identify, disconnect and seal or cap off indicated utilities serving areas to be demolished.
   B. Protect existing items which are not indicated to be salvaged, removed, or altered.
   C. Erect and maintain weatherproof closures for exterior openings.
   D. Erect and maintain temporary partitions to prevent spread of dust, fumes, noise, and smoke to provide for Owner occupancy as specified in Section 01 11 00.

3.3 DEMOLITION
   A. Conduct demolition to minimize interference with adjacent and occupied building areas.
   B. Cease operations immediately if structure appears to be in danger. Notify Architect. Do not resume operations until directed.
   C. Maintain protected egress and access to the Work.
   D. Maintain fire safety during demolition in accordance with CFC, Chapter 33.
   E. Demolish in an orderly and careful manner. Protect existing supporting structural members.

3.4 DISPOSAL OF DEMOLISHED MATERIALS
   A. Except for items to be reused, reinstalled, or otherwise indicated to remain, remove demolished materials from Project site and legally dispose of them in an EPA – approved landfill.
   B. Do not burn or bury materials on site.

3.5 CLEANING
   A. Clean adjacent structures and improvements of dust, dirt and debris caused by demolition.
   B. Remove temporary construction.
   C. Return adjacent areas to condition existing before demolition operations began.
   D. Leave site in a clean condition.

3.6 SCHEDULES
A. Protect the following materials and equipment to remain operational at all times:

1. Campus bell system.
2. Fire alarm system.
3. Intercom system.

END OF SECTION
1. PART 1   GENERAL

1.1 SECTION INCLUDES
   A. Ceramic tile wall and wainscot finish using the thinset application method.

1.2 REFERENCES
   A. ANSI/TCA A108.5 - Ceramic Tile Installed with Dry-Set Portland Cement Mortar or Latex Portland Cement Mortar.
   B. ANSI/TCA A108.11 - Interior Installation of Cementitious Backer Units.
   C. ANSI/TCA A118.1 - Dry-Set Portland Cement Mortar.
   D. ANSI/TCA A118.4 - Latex-Portland Cement Mortar.
   E. ANSI/TCA A118.7 - Polymer Modified Ceramic Tile Grouts.
   F. ANSI/TCA A118.9 - Test Methods and Specifications for Cementitious Backer Units.
   G. ANSI/TCA A137.1 - Specifications for Ceramic Tile.
   I. ASTM D226 - Asphalt-Saturated Felt Used in Roofing and Waterproofing.
   J. TCA (Tile Council of America) - Handbook for Ceramic Tile Installation.

1.3 SUBMITTALS
   A. Submit samples under provisions of Section 01 33 00.

1.4 QUALITY ASSURANCE
   A. Conform to ANSI/TCA A137.1 for tile material.
   B. Conform to ANSI/TCA Standards and TCA Handbook for tile installation.

1.5 QUALIFICATIONS
   A. Manufacturer: Company specializing in the manufacture of products specified in this Section with minimum five years documented experience.
   B. Installer: Company specializing in applying the Work of this Section with minimum five years documented experience.

1.6 ENVIRONMENTAL REQUIREMENTS
   A. Maintain 50 degrees F during installation of mortar materials.

1.7 EXTRA MATERIALS
   A. Provide extra quantity of full size tile and trim shape units to Owner under provisions of Section 01 77 00.
   B. Provide quantity equal to 5 percent of units installed of each shape and color.
2. PART 2 PRODUCTS

2.1 MANUFACTURERS - TILE


2.2 TILE MATERIAL

A. Ceramic Wall Tile: ANSI/TCA A137.1, conforming to the following:
   Type 1: Wall tile - American Olean - Perspecta - 8" x 24" - Pacific Blue PE11 (1).
   Type 2: Backsplash - Daltile - Rittenhouse Square - 2" x 4" - SWCH Arctic White STD.
   Type 3: Trim - American Olean - Perspecta - ½" x 12" L - Jolly S1212J - Pacific Blue PE 20 (1).

2.3 MANUFACTURERS - MORTAR AND GROUT


2.4 MORTAR MATERIALS

B. Latex-Portland Cement Mortar: ANSI/TCA A118.4 and the following:
   1. Acrylic resin latex additive.
   2. Dry mortar mix supplied by latex manufacturer.

2.5 GROUT MATERIALS

B. Latex-Portland Cement Grout: ANSI/TCA A118.7 of color selected and the following:
   1. Acrylic resin latex additive.
   3. Dry mortar mix supplied by latex manufacturer.

2.6 MORTAR MIX AND GROUT MIX

A. Mix and proportion pre-mix setting bed and grout materials in accordance with manufacturer's instructions and referenced standards.

3. PART 3 EXECUTION

3.1 EXAMINATION

A. Verify that surfaces are ready to receive work.
B. Beginning of installation means installer accepts condition of existing surfaces.

3.2 PREPARATION
  A. Protect surrounding work from damage or disfiguration.
  B. Vacuum clean existing surfaces and damp clean.
  C. Seal substrate surface cracks with filler. Level existing substrate surfaces to acceptable flatness tolerances.

3.3 INSTALLATION - THINSET METHOD
  A. Install mortar, tile, and grout in accordance with ANSI/TCA 108.5 and applicable tile installation standards of the TCA Handbook.
  B. Install membrane over substrate; weatherlap horizontal edges 4 inches, vertical edges 6 inches.
  C. Lay tile to pattern indicated. If not indicated, request from Architect. Do not interrupt tile pattern around openings.
  D. Cut and fit tile tight to penetrations through tile. Form corners and bases neatly. Align wall, base, and floor joints.
  E. Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make joints watertight, without voids, cracks, excess mortar or excess grout.
  F. Form internal angles square and external angles square.
  G. Sound tile after setting. Replace hollow sounding units.
  H. Keep control joints free of mortar or grout. Apply sealant to joints.
  I. Allow tile to set for a minimum of 48 hours prior to grouting.
  J. Grout tile joints.
  K. Apply sealant to junction of tile and dissimilar materials and junction of dissimilar planes.

3.4 CLEANING
  A. Clean work under provisions of 01 77 00.
  B. Clean tile surfaces.

END OF SECTION
SECTION 12 24 00

WINDOW SHADES CLUTCH XD OPERATED WINDOW SHADES

PART 1 GENERAL

1.1 SECTION INCLUDES
A. Manually operated, roll-up fabric interior window shades including mounting and operating hardware.

1.2 RELATED SECTIONS
A. Section 09 51 23 - Acoustical Tile Ceilings.

1.3 REFERENCES
B. GREENGUARD Environmental Institute Gold.

1.4 SUBMITTALS
A. Submit under provisions of Section 01 33 00.
B. Product Data: Manufacturer's data sheets on each product specified, including:
   1. Preparation instructions and recommendations.
   2. Installation and maintenance instructions.
   3. Styles, material descriptions, dimensions of individual components, profiles, features, finishes and operating instructions.
   4. Storage and handling requirements and recommendations.
   5. Mounting details and installation methods.
C. Shop Drawings: Plans, elevations, sections, product details, installation details, operational clearances, and relationship to adjacent work.
D. Window Treatment Schedule: For all roller shades. Use same room designations as indicated on the Drawings, field verified window dimensions, quantities, type of shade, controls, fabric, and color, and include opening sizes and key to typical mounting details.
E. Selection Samples: For each finish product specified, two complete sets of shade cloth options and aluminum finish color samples representing manufacturer's full range of available colors and patterns.
F. Verification Samples: For each finish product specified, two complete sets of shade components, unassembled, demonstrating compliance with specified requirements. Shade fabric sample and aluminum finish sample as selected, representing actual product, color, and patterns. Mark face of material to indicate interior faces.
G. Maintenance Data: Methods for maintaining roller shades, precautions regarding cleaning materials and methods, instructions for operating hardware.
H. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
1.5 QUALITY ASSURANCE

A. Manufacturer Qualifications: Obtain roller shades through one source from a single manufacturer with a minimum of twenty years experience in manufacturing products comparable to those specified in this section.

B. NFPA Flame-Test: Passes NFPA 701. Materials tested shall be identical to products proposed for use.

C. Mock-Up: Provide a mock-up of one of each type roller shade assembly specified for evaluation of mounting, appearance and accessories.
   1. Locate mock-up in window(s) designated by Architect.
   2. Do not proceed with remaining work until mock-up is accepted by Architect.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Do not deliver window shades until building is enclosed and construction within spaces where shades will be installed is substantially complete.

B. Deliver products in manufacturer's original, unopened, undamaged containers with labels intact.

C. Label containers and shades according to Window Shade Schedule.

D. Store products in manufacturer's unopened packaging until ready for installation.

1.7 SEQUENCING

A. Ensure that locating templates and other information required for installation of products of this section are furnished to affected trades in time to prevent interruption of construction progress.

B. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

1.8 PROJECT CONDITIONS

A. Install roller shades after finish work and ambient temperature, humidity and ventilation conditions are maintained at levels recommended for project upon completion.

1.9 WARRANTY

A. Hardware and Shade Fabric: Draper's standard twenty-five year limited warranty.

1.10 MANUFACTURERS

A. Acceptable Manufacturer: Draper, Inc., which is located at: 411 S. Pearl P. O. Box 425; Spiceland, IN 47385-0425. ASD. Toll Free Tel: 800-238-7999; Tel: 765-987-7999; Fax: 866-637-5611; Web: www.draperinc.com.

B. Substitutions: As equal.

C. Requests for substitutions will be considered in accordance with provisions of Section 01 25 13.
1.11 MANUALLY OPERATED WINDOW SHADES

A. Manually Operated Window Shades with Independent Control: Manually operated, vertical roll-up, fabric window shade with components necessary for complete installation; Manual FlexShade XD as manufactured by Draper, Inc.

1. Operation: Bead chain and clutch operating mechanism allowing shade to stop when chain is released. Designed never to need adjustment or lubrication. Provide limit stops to prevent shade from being raised or lowered too far.
   a. Clutch mechanism: Fabricated from POM thermoplastic with welded 0.354 inch (9 mm) primary steel post with rotational bearing, overrunning design, and positive mechanical engagement of drive mechanism to tube. White or Black color as selected by Architect. Center bead chain placement for right or left hand operation and accommodates side channel with no adjustment of chain location.
   b. Bead chain loop: Stainless steel bead chain.
   c. Bead chain loop: Polyester bead chain, Ivory, Grey, White, Bronze or Black color as selected by Architect.
   d. Bead Chain Hold Down: P-Clip.
   e. Bead Chain Hold Down: Spring-Loaded Tensioner.

2. Rollers: Extruded aluminum roller tube of appropriate diameter to support shade fabric with minimal deflection.
   b. Fabric Connection to Roller Tube: Spline fabric/roller attachment system to allow shade fabric to be removed from roller without having to remove roller from brackets.
   c. Fabric Length: 6 inches greater than window height minimum.
   d. Bottom Slat: 13/16 inch aluminum dowel, encased in bottom hem with heat sealed ends.
   e. Orientation: Regular from back of roller.
   f. Orientation: Reverse from front of roller.

3. Bottom Slat
   a. Closed pocket elliptical slat: 1” aluminum elliptical slat inside of a 1 5/8” pocket with heat sealed ends
   b. Open pocket elliptical slat: 1” aluminum elliptical slat with plastic ends inside of a 1 5/8” pocket.
   c. Flat exposed hem bar: Small: 7/8” x 5/16” and Large 1½” x 5/16” aluminum rectangular hem bar with plastic end caps. Powder coated in black, bronze, ivory, white or clear anodized.
   d. Round exposed hem bar: Small 5/8” and Large 13/16” aluminum with plastic end caps. Powder coated in black, bronze, ivory, white or clear anodized.

4. Mounting:
   a. Endcaps only.
   b. Endcaps and fascia.
   c. Endcaps and headbox.
   d. Headbox.
   e. Ceiling pocket.

5. Endcaps: Stamped steel with universal design suitable for mounting to ceiling, wall, and jamb. Provide size compatible with roller size.
   a. Endcap covers: To match fascia or headbox color.
   b. Mounted to ceiling.
   c. Mounted to wall.
   d. Mounted to jamb.

6. Fascia: L shaped aluminum extrusion to conceal shade roller and hardware.
   a. Attachment: Snaps onto endcaps without requiring exposed fasteners of any kind. Fascia can be mounted continuously across two or more shade bands. No notching is required.
b. Shape: Square Fascia Panel.
c. Finish: Custom powder coat as selected by the Architect.

7. Headbox Ceiling/Wall style: Aluminum fabrication with removable closure, endcaps, and back and top cover piece:
a. Finish: Custom powder coat as selected by the Architect.

8. Light Gap Reduction Channels.
a. L Angle - 3/4 inch by 1 inch.
b. L Angle - 1 inch by 2-3/4 inches.
c. U Channel - 1 inch by 2-1/2 inches.
d. H Channel - 1 inch by 5 inches.

1.12 FABRIC

A. Light-Filtering Fabrics

B. Color and pattern: SW2703-P28 3% Oyster/Charcoal.

PART 2 EXECUTION

2.1 EXAMINATION

A. Do not begin installation until substrates have been properly prepared.

B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

2.2 PREPARATION

A. Coordinate requirements for blocking and structural supports to ensure adequate means for installation of window shades.

B. Coordinate requirements for blocking, construction of shade pockets, and structural supports to ensure adequate means for installation of window shades.

C. Coordinate installation of recessed shade pockets with construction of suspended acoustical panel ceilings specified in Section 09 51 23.

2.3 INSTALLATION

A. Install in accordance with manufacturer's instructions.

B. Install roller shades level, plumb, square, and true. Allow proper clearances for window operation hardware.

C. Shade pockets:
1. Install shade pockets prior to installation of suspended ceiling system. Attach to supporting structure with screws through top of pocket at 24 inches (610 mm) minimum centers.
2. Install shade pockets in conjunction with installation of suspended ceiling system. Attach to supporting structure with screws through top of pocket at 24 inches (610 mm) minimum centers.
3. Install corner pieces securely and in alignment with pockets.
4. Install pocket ends securely and in alignment with pockets.
5. After interior construction is essentially complete, install shade and operating mechanism in pocket.

D. Install the following items to conceal roller and operating mechanism. Do not use exposed fasteners.
   1. Fascias.
   2. Closure panels.
   3. Endcaps.

E. Install headbox, side channels, and sill channel with sealant specified in Section 07 92 00 - Joint Sealants.

F. Position shades level, plumb, and at proper height relative to adjacent construction. Secure with fasteners recommended by manufacturer.

2.4 TESTING AND DEMONSTRATION

A. Test window shades to verify that interface to other building systems and other operating components are functional. Correct deficiencies.

B. Test window shades to verify that operating mechanism, fabric retainer, and other operating components are functional. Correct deficiencies.
   1. Chain and clutch.

C. During daylight hours, lower shades and turn off interior lights. Verify that there are no light leaks at perimeter or within shade assembly. Correct deficiencies.

D. Demonstrate operation of shades to Owner's designated representatives.

2.5 PROTECTION

A. Protect installed products until completion of project.

B. Touch-up, repair or replace damaged products before Substantial Completion.

2.6 SCHEDULES

A. Refer to Drawings for shade types and locations.

END OF SECTION
Barton Elementary School
Material List

Administration Building

Exterior
Aluminum Letters
• 8" Cast Aluminum, Century Gothic Front, Galvanized Finish
Aluminum Storefront
• Arcadia, AG451 Series Storefront, 2" x 4 ½" & 4 ½" x 4 ½" Center Glazed for 1" Glass, Anodized Black Aluminum Mullions
Gutter Color
• 20 GA Prefabricated Pre-Finished Sheet Metal, Gray
Handrails
• Galvanized Finish
Privacy Slat Fence Color
• Privacy Link, Tube Slat, Gray
Silicone Sealant
• Dowsil 795 Silicone Building Sealant, Black
Stucco Color
• Dunn Edwards Paint, Rainy Lake (DE5852)
• Dunn Edwards Paint, Silver Spoon (DE6366)
• Dunn Edwards Paint, Cool December (DEW383)

Interior
Acoustic Ceiling Panel
• Armstrong, Square Lay-in, 24" x 48" x 5/8", Fine Fissured, Ceramaguard, White
Backsplash
• Daltile – Rittenhouse Square – 2x4" SWCH Arctic White STD
Carpet
• Mannington – Glitch Art Collection – Crosstalk – Video Decoder
Ceramic Tile
• Perspecta – 8" x 24" Wall Tile – Pacific Blue
• Perspecta ½" x 12" Jolly Trim – Pacific Blue
Counter Top
• DuPont, Zodiaq, Storm Gray
Epoxy Flooring
• Dur-A-Quartz (Q28-21) – Gray
Glazing
• Vanceva, Color #H44H, Transparent, Gray
• Vanceva, Color #3466, Transparent, Green
• Vanceva, Color #000H, Transparent, Gray
Hallow Metal Doors Frame
• Anodized Black
Lighting Fixtures
• Metalux Skyridge 24" x 48" Troffer LED Module, White
• Metalux, Skyridge, 12” x 48” Troffer LED Module, White
• Halo, 6” Square Lends Downlight and Lens Wall Wash, White
• Halo, Pendant Cylinder, 120V, White Shade

Luxury Vinyl Tile
• Mannington, Primary Element LVT, 12” x12” & 12” x 24” Tile, Thule PE111, Bond
• Mannington, Primary Element LVT, 12” x12” & 12” x 24” Tile, Azure PE109, Bond
• Mannington, Primary Element LVT, 12” x12” & 12” x 24” Tile, Alumina PE119, Bond

Paint
• Dunn Edwards Paint, Rainy Lake (DE5852)
• Dunne Edwards Paint, Earhart Emerald (DET537)
• Dunn Edwards Paint, Silver Spoon (DE6366)
• Dunn Edwards Paint, Cool December (DEW383)

Plastic Laminate Cabinets
• Pionite, Wedding Cake, WI790SD

Plastic Laminate Doors
• Pionite, Wedding Cake, WI790SD

Room Control Signs
• Mohawk Sign System – Gray background, White text, Helvetica Font

Tackable Wall Board
• Koroseal - Frost

Walk off Mat
• Tandus – Triad Mat System Geometric Tile – Medium Grey

Window Frames
• Anodized Aluminum - Black

Window Shade Rollers
• Draper, Shade Fabric, 3%, Oyster/Pewter (SW2703/P91)

Multi-Use Building

Interior

Acoustic Ceiling Panel
• Armstrong, Square Lay-in, 24” x 48” x 5/8”, White

Light Fixtures
• Metalux, Skyridge 24” x 48” Troffer LED Module, White

Luxury Vinyl Tile
• Mannington, Primary Element LVT, 12” x12” & 12” x 24” Tile, Thule PE111, Bond
• Mannington, Primary Element LVT, 12” x12” & 12” x 24” Tile, Azure PE109, Bond
• Mannington, Primary Element LVT, 12” x12” & 12” x 24” Tile, Alumina PE119, Bond

Paint
• Dunn Edwards Paint, Rainy Lake (DE552)
• Dunne Edwards Paint, Earhart Emerald (DET537)
• Dunn Edwards Paint, Silver Spoon (DE6366)
• Dunn Edwards Paint, Cool December (DEW383)
THIS WILL BE THE CONTRACTOR'S LAYDOWN AREA AND CONTRACTOR'S PARKING AREA

EXISTING RUBBERIZED PLAYGROUND SURFACE TO REMAIN OUTSIDE OF LAYDOWN AREA.

PROVIDE NEW GATE TO ALLOW ACCESS TO KINDERGARTEN AREA

RESTORE FENCE BACK TO ORIGINAL CONDITION UP COMPLETION OF WORK

ADJUST SURFACE TO ALLOW FOR SAFE ENTRANCE

MAINTAIN PATH-OF-TRAVEL DURING SCHOOL HOURS

MAINTAIN FIRE TRUCK ACCESS AT ALL TIMES

CONTRACTOR'S ADDITIONAL PARKING AREA WILL BE ON E PUMALO STREET

Temp fencing to be provided by contractor

Work on the "MU" building, this site concrete work and B Wing restrooms shall be performed between June 6th, 2020 through July 19th, 2020.

This is where the new administration building is moving to. (Initial move will be performed by the District) Coordinate with District IT Department to relocate utilities as required.

Contractor shall coordinate with District/District IT and relocate District staff, including furniture/belonging back to modernized administration building. Contractor shall also relocate iphone door door buzzer/camera (including wiring for power/data), for use at Administration Building, coordinate with District.

Phasing Plan

For Barton ES

 Contractor shall coordinate with District/District IT and relocate District staff, including furniture/belonging back to modernized administration building. Contractor shall also relocate iphone door door buzzer/camera (including wiring for power/data), for use at Administration Building, coordinate with District.

[Diagram showing layout and details of the construction site]
## Door, Frame and Window Schedules

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<th>Width</th>
<th>Per Leaf</th>
<th>Height</th>
<th>Thickness</th>
<th>Material Type</th>
<th>Finish Material Type</th>
<th>Fire Rating</th>
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<td>B</td>
<td>PL</td>
<td>HM 1 P</td>
<td>13/-     3D/- 8</td>
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**DOOR TYPE LEGEND**

- **A1A** 3' - 0" 7' - 0" 1 3/4" AL A PC AL 3 PC 6/- 5/- 15/- 1 1,3
- **A1B** 3' - 0" 7' - 0" 1 3/4" HM C P HM 1 P 9/- 9/- 15/- 2 1
- **A1C** 3' - 0" 7' - 0" 1 3/4" SC D PL HM 2 P 13/- - 3E/- 3
- **A2A** 3' - 0" 7' - 0" 1 3/4" HM B P HM 1 P 9/- 9/- 15/- 2 1,2
- **A2B** 3' - 0" 7' - 0" 1 3/4" SC C PL HM 1 P 13/- 13/- 3A/- 4
- **A3A** 3' - 0" 7' - 0" 1 3/4" HM C P HM 1 P 9/- 9/- 15/- 2 1
- **A3B** 3' - 0" 7' - 0" 1 3/4" SC C PL HM 1 P 13/- 13/- 3C/- 4
- **A5A** 3' - 0" 7' - 0" 1 3/4" SC B PL HM 1 P 13/- 13/- 3D/- 5
- **A6A** 3' - 0" 7' - 0" 1 3/4" SC B PL HM 1 P 13/- 13/- 3D/- 5
- **A9A** 3' - 0" 7' - 0" 1 3/4" SC B PL HM 1 P 13/- 13/- 3D/- 6
- **A10B** 3' - 0" 7' - 0" 1 3/4" SC B PL HM 1 P 13/- 13/- 3D/- 8
- **C108** 3' - 0" 7' - 0" 1 3/4" HM B P HM 1 P 13/- 13/- 15/- 10 1,2
- **C111** 3' - 0" 7' - 0" 1 3/4" HM B P HM 1 P 9/- 9/- 15/- 5

**NOTES:**

- **ALL GRAPHICS ARE HAND PAINTED IN MULT-PLUE COLORS AS SHOWN HERE**
- **ADD-01**

---

**BARTON ELEMENTARY SCHOOL MODERNIZATION**

SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT

2214 PUMALO ST, SAN BERNARDINO, CA 92404
Report for:

Elaine Horng
ATC Group Services LLC: Monterey Park
25 Cupania Circle
Monterey Park, CA  91755

Regarding:  Project: 1011601607-P1; Barton Elementary School
EML ID: 2260957

Approved by:

Approved Signatory
Roshanak Kalantari

Dates of Analysis:
Asbestos PLM: 09-25-2019 and 09-26-2019


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

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

<table>
<thead>
<tr>
<th>Location</th>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location: 001, 12&quot;x12&quot; Off white with brown small smudges with mastic staff room</td>
<td>Off-White Floor Tile</td>
<td>ND</td>
</tr>
<tr>
<td></td>
<td>Brown Mastic</td>
<td>ND</td>
</tr>
<tr>
<td></td>
<td><strong>Sample Composite Homogeneity</strong>: Good</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location: 002, 12&quot;x12&quot; Off white with brown small smudges with mastic copy rm</th>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Off-White Floor Tile</td>
<td>ND</td>
</tr>
<tr>
<td></td>
<td>Brown Mastic</td>
<td>ND</td>
</tr>
<tr>
<td></td>
<td><strong>Sample Composite Homogeneity</strong>: Good</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location: 003, 12&quot;x12&quot; Off white with brown small smudges with mastic near sink</th>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Off-White Floor Tile</td>
<td>ND</td>
</tr>
<tr>
<td></td>
<td>Brown Mastic</td>
<td>ND</td>
</tr>
<tr>
<td></td>
<td><strong>Sample Composite Homogeneity</strong>: Good</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location: 004, Leveling compound staff RR</th>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Light Gray Leveling Compound</td>
<td>ND</td>
</tr>
<tr>
<td></td>
<td>Yellow Mastic</td>
<td>ND</td>
</tr>
<tr>
<td></td>
<td><strong>Sample Composite Homogeneity</strong>: Good</td>
<td></td>
</tr>
</tbody>
</table>

---

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EMLab ID: 2260957, Page 2 of 20
Client: ATC Group Services LLC: Monterey Park  
C/O: Elaine Horng  
Re: 1011601607-P1; Barton Elementary School  
Date of Sampling: 09-21-2019  
Date of Receipt: 09-25-2019  
Date of Report: 09-26-2019

ASBESTOS PLM REPORT
Location: 005, Leveling compound staff RR

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Gray Leveling Compound</td>
<td>ND</td>
</tr>
<tr>
<td>Yellow Mastic</td>
<td>ND</td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good

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### ASBESTOS PLM REPORT

#### Location: 006, Leveling compound staff RR

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Gray Leveling Compound</td>
<td>ND</td>
</tr>
<tr>
<td>Yellow Mastic</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Sample Composite Homogeneity:** Good

#### Location: 007, Leveling compound with mastic admin office entry

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Gray Leveling Compound</td>
<td>ND</td>
</tr>
<tr>
<td>Black Mastic</td>
<td>2% Chrysotile</td>
</tr>
</tbody>
</table>

**Sample Composite Homogeneity:** Good

#### Location: 008, Leveling compound with mastic admin office entry

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Gray Leveling Compound</td>
<td>ND</td>
</tr>
<tr>
<td>Black Mastic</td>
<td>2% Chrysotile</td>
</tr>
</tbody>
</table>

**Sample Composite Homogeneity:** Good

#### Location: 009, Leveling compound with mastic admin office entry

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Gray Leveling Compound</td>
<td>ND</td>
</tr>
<tr>
<td>Black Mastic</td>
<td>2% Chrysotile</td>
</tr>
</tbody>
</table>

**Sample Composite Homogeneity:** Good

---

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Client: ATC Group Services LLC: Monterey Park  
C/O: Elaine Horng  
Re: 1011601607-P1; Barton Elementary School  
Date of Sampling: 09-21-2019  
Date of Receipt: 09-25-2019  
Date of Report: 09-26-2019

**ASBESTOS PLM REPORT**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow Mastic</td>
<td>ND</td>
</tr>
<tr>
<td><strong>Sample Composite Homogeneity:</strong></td>
<td><strong>Good</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location: 010, Carpet mastic nurse's offices</th>
<th>Lab ID-Version‡: 10751300-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample Layers</td>
<td>Asbestos Content</td>
</tr>
<tr>
<td>Yellow Mastic</td>
<td>ND</td>
</tr>
<tr>
<td><strong>Sample Composite Homogeneity:</strong></td>
<td><strong>Good</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location: 011, Carpet mastic admin office</th>
<th>Lab ID-Version‡: 10751301-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample Layers</td>
<td>Asbestos Content</td>
</tr>
<tr>
<td>Yellow Mastic</td>
<td>ND</td>
</tr>
<tr>
<td><strong>Sample Composite Homogeneity:</strong></td>
<td><strong>Good</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location: 012, Carpet mastic admin office</th>
<th>Lab ID-Version‡: 10751302-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample Layers</td>
<td>Asbestos Content</td>
</tr>
<tr>
<td>Yellow Mastic</td>
<td>ND</td>
</tr>
<tr>
<td><strong>Sample Composite Homogeneity:</strong></td>
<td><strong>Good</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location: 013, Baseboard mastic nurse's room</th>
<th>Lab ID-Version‡: 10751303-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample Layers</td>
<td>Asbestos Content</td>
</tr>
<tr>
<td>White Mastic</td>
<td>ND</td>
</tr>
<tr>
<td><strong>Sample Composite Homogeneity:</strong></td>
<td><strong>Good</strong></td>
</tr>
</tbody>
</table>

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EMLab P&K, LLC  
EMLab ID: 2260957, Page 5 of 20
ASBESTOS PLM REPORT

**Location: 014, Baseboard mastic admin office**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Mastic</td>
<td>ND</td>
</tr>
<tr>
<td>White Compound</td>
<td>ND</td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good

**Location: 015, Baseboard mastic copy room**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Mastic</td>
<td>ND</td>
</tr>
<tr>
<td>White Compound</td>
<td>ND</td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good

**Location: 016, Baseboard mastic (sub layer) nurse's room**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beige Mastic</td>
<td>ND</td>
</tr>
<tr>
<td>White Compound</td>
<td>ND</td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good

**Location: 017, Baseboard mastic (sub layer) nurse's room**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beige Mastic</td>
<td>ND</td>
</tr>
<tr>
<td>White Compound</td>
<td>ND</td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good
ASBESTOS PLM REPORT

Location: 018, Baseboard mastic (sub layer) nurse’s room

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
<th>Lab ID-Version‡: 10751308-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beige Mastic</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>White Compound</td>
<td>ND</td>
<td></td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good

Location: 019, Plaster nurse’s office W

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
<th>Lab ID-Version‡: 10751309-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Plaster</td>
<td>ND</td>
<td></td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good

Location: 020, Plaster admin office N

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
<th>Lab ID-Version‡: 10751310-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Plaster</td>
<td>ND</td>
<td></td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good

Location: 021, Plaster staff rm W

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
<th>Lab ID-Version‡: 10751311-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Plaster</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>White Tape</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>White Compound</td>
<td>ND</td>
<td></td>
</tr>
</tbody>
</table>

Composite Non-Asbestos Content: 2% Cellulose
Sample Composite Homogeneity: Good

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ASBESTOS PLM REPORT

Location: 022, Wallboard/joint compound nurse's rm W

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Joint Compound</td>
<td>ND</td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good

Location: 023, Wallboard/joint compound nurse's office W

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Joint Compound</td>
<td>ND</td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good

Location: 024, Wallboard/joint compound nurse's office E

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Joint Compound</td>
<td>ND</td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good

Location: 025, Wallboard/joint compound staff rm NW

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Joint Compound</td>
<td>ND</td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good
### ASBESTOS PLM REPORT

**Location: 026, Wallboard/joint compound copy room SW**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Joint Compound</td>
<td>ND</td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good

**Location: 027, 2'x4' ceiling panel admin office**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gray Ceiling Tile with White Surface</td>
<td>ND</td>
</tr>
</tbody>
</table>

Composite Non-Asbestos Content: 70% Cellulose

Sample Composite Homogeneity: Good

**Location: 028, 2'x4' Ceiling panel admin office**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gray Ceiling Tile with White Surface</td>
<td>ND</td>
</tr>
</tbody>
</table>

Composite Non-Asbestos Content: 70% Cellulose

Sample Composite Homogeneity: Good

**Location: 029, 2'x4' Ceiling panel admin office**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gray Ceiling Tile with White Surface</td>
<td>ND</td>
</tr>
</tbody>
</table>

Composite Non-Asbestos Content: 70% Cellulose

Sample Composite Homogeneity: Good

---

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### ASBESTOS PLM REPORT

**Location: 030, Baseboard mastic councilor's office**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Mastic</td>
<td>ND</td>
</tr>
<tr>
<td>White Compound</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Sample Composite Homogeneity:** Good

**Location: 031, Baseboard mastic councilor's office**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Mastic</td>
<td>ND</td>
</tr>
<tr>
<td>White Compound</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Sample Composite Homogeneity:** Good

**Location: 032, Baseboard mastic councilor's office**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Mastic</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Sample Composite Homogeneity:** Good

**Location: 033, Wallboard N**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Drywall</td>
<td>ND</td>
</tr>
<tr>
<td>Yellow Mastic</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Sample Composite Homogeneity:** Good

---

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C/O: Elaine Horng  
Re: 1011601607-P1; Barton Elementary School  
Date of Sampling: 09-21-2019  
Date of Receipt: 09-25-2019  
Date of Report: 09-26-2019

### ASBESTOS PLM REPORT

**Location: 034, Wallboard NE**  
Lab ID-Version‡: 10751324-1

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Drywall</td>
<td>ND</td>
</tr>
<tr>
<td>Yellow Mastic</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Sample Composite Homogeneity:** Good

**Location: 035, Wallboard NW**  
Lab ID-Version‡: 10751325-1

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Drywall</td>
<td>ND</td>
</tr>
<tr>
<td>Yellow Mastic</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Sample Composite Homogeneity:** Good

**Location: 036, Plaster N**  
Lab ID-Version‡: 10751326-1

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Plaster</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Sample Composite Homogeneity:** Good

**Location: 037, Plaster S**  
Lab ID-Version‡: 10751327-1

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Plaster</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Sample Composite Homogeneity:** Good

---

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**ASBESTOS PLM REPORT**

**Location: 038, Plaster SE**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Plaster</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Sample Composite Homogeneity:** Good

**Location: 039, 2'x4' Ceiling panel N**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beige Ceiling Tile with White Surface</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Composite Non-Asbestos Content:**
- 35% Glass Fibers
- 20% Cellulose

**Sample Composite Homogeneity:** Good

**Location: 040, 2'x4' ceiling panel S**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beige Ceiling Tile with White Surface</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Composite Non-Asbestos Content:**
- 35% Glass Fibers
- 20% Cellulose

**Sample Composite Homogeneity:** Good

**Location: 041, 2'x4' ceiling panel W**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beige Ceiling Tile with White Surface</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Composite Non-Asbestos Content:**
- 35% Glass Fibers
- 20% Cellulose

**Sample Composite Homogeneity:** Good

---

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## ASBESTOS PLM REPORT

**Location: 042, Carpet mastic NE**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gray Mastic</td>
<td>ND</td>
</tr>
</tbody>
</table>

*Sample Composite Homogeneity:* Good

**Location: 043, Carpet mastic E**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gray Mastic</td>
<td>ND</td>
</tr>
</tbody>
</table>

*Sample Composite Homogeneity:* Good

**Location: 044, Carpet mastic SW**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gray Mastic</td>
<td>ND</td>
</tr>
</tbody>
</table>

*Sample Composite Homogeneity:* Good

**Location: 045, Joint compound W**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Joint Compound</td>
<td>ND</td>
</tr>
</tbody>
</table>

*Sample Composite Homogeneity:* Good

---

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### ASBESTOS PLM REPORT

**Location: 046, Joint compound S**  
**Lab ID-Version‡**: 10751336-1

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Joint Compound</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Sample Composite Homogeneity**: Good

**Location: 047, Joint compound SW**  
**Lab ID-Version‡**: 10751337-1

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Joint Compound</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Sample Composite Homogeneity**: Good

**Location: 048, Floor tile grout and mortar admin bldg RR**  
**Lab ID-Version‡**: 10751338-1

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gray Mortar</td>
<td>ND</td>
</tr>
<tr>
<td>White Grout (Trace)</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Sample Composite Homogeneity**: Good

**Location: 049, Floor tile grout and mortar admin bldg RR**  
**Lab ID-Version‡**: 10751339-1

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gray Mortar</td>
<td>ND</td>
</tr>
<tr>
<td>White Grout (Trace)</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Sample Composite Homogeneity**: Good

---

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Client: ATC Group Services LLC: Monterey Park  
C/O: Elaine Horng  
Re: 1011601607-P1; Barton Elementary School  

Date of Sampling: 09-21-2019  
Date of Receipt: 09-25-2019  
Date of Report: 09-26-2019  

**ASBESTOS PLM REPORT**  

**Location: 050, Floor tile grout and mortar admin bldg RR**  

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gray Mortar</td>
<td>ND</td>
</tr>
<tr>
<td>White Grout (Trace)</td>
<td>ND</td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good

**Location: 051, W.T. grout/mortar admin bldg RR**  

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Compound</td>
<td>ND</td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good

**Location: 052, W.T. grout/mortar admin bldg RR**  

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Compound</td>
<td>ND</td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good

**Location: 053, W.T. grout/mortar admin bldg RR**  

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Compound</td>
<td>ND</td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good

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EMLab ID: 2260957, Page 15 of 20
## ASBESTOS PLM REPORT

**Location: 054, F.T. grout/mortar bldg C boys**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gray Grout</td>
<td>ND</td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good

**Location: 055, F.T. grout/mortar bldg C boys**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gray Grout</td>
<td>ND</td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good

**Location: 056, F.T. grout/mortar bldg C girls**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gray Grout</td>
<td>ND</td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good

**Location: 057, W.T. grout/mortar bldg C boys**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gray Grout</td>
<td>ND</td>
</tr>
<tr>
<td>White Mortar</td>
<td>ND</td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good

---

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### ASBESTOS PLM REPORT

**Location: 058, W.T. grout/mortar bldg C boys**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gray Grout</td>
<td>ND</td>
</tr>
<tr>
<td>White Mortar</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Sample Composite Homogeneity:** Good

**Location: 059, W.T. grout/mortar bldg C girls**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gray Grout</td>
<td>ND</td>
</tr>
<tr>
<td>White Mortar</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Sample Composite Homogeneity:** Good

**Location: 060, Stucco admin ex**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red Stucco</td>
<td>ND</td>
</tr>
<tr>
<td>Gray Cementitious Material</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Sample Composite Homogeneity:** Good

**Location: 061, Stucco admin bldg ext**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red Stucco</td>
<td>ND</td>
</tr>
<tr>
<td>Gray Cementitious Material</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Sample Composite Homogeneity:** Good

---

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C/O: Elaine Horng  
Re: 1011601607-P1; Barton Elementary School  

Date of Sampling: 09-21-2019  
Date of Receipt: 09-25-2019  
Date of Report: 09-26-2019  

**ASBESTOS PLM REPORT**  

**Location: 062, Stucco admin bldg ext**  

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red Stucco</td>
<td>&lt; 1% Chrysotile</td>
</tr>
<tr>
<td>Gray Cementitious Material</td>
<td>ND</td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good  

---  

**Location: 063, Stucco admin bldg ext**  

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red Stucco</td>
<td>ND</td>
</tr>
<tr>
<td>Gray Cementitious Material</td>
<td>ND</td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good  

---  

**Location: 064, Stucco admin bldg ext**  

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red Stucco</td>
<td>&lt; 1% Chrysotile</td>
</tr>
<tr>
<td>Gray Cementitious Material</td>
<td>ND</td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good  

---  

**Location: 065, Stucco bldg C**  

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Gray Stucco</td>
<td>ND</td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good  

---  

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**ASBESTOS PLM REPORT**

**Location: 066, Stucco bldg C**  
Lab ID-Version‡: 10751356-1

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Gray Stucco</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Sample Composite Homogeneity:** Good

**Location: 067, Stucco bldg C**  
Lab ID-Version‡: 10751357-1

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Gray Stucco</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Sample Composite Homogeneity:** Good

**Location: 068, Stucco bldg B**  
Lab ID-Version‡: 10751358-1

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Gray Stucco</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Sample Composite Homogeneity:** Good

**Location: 069, Stucco bldg B**  
Lab ID-Version‡: 10751359-1

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Gray Stucco</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Sample Composite Homogeneity:** Good

---

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# ASBESTOS PLM REPORT

**Location: 070, Stucco bldg B**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
<th>Sample Composite Homogeneity: Good</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Gray Stucco</td>
<td>ND</td>
<td></td>
</tr>
</tbody>
</table>

**Location: 071, Plaster boys**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
<th>Sample Composite Homogeneity: Good</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Plaster</td>
<td>ND</td>
<td></td>
</tr>
</tbody>
</table>

**Location: 072, Plaster boys**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
<th>Sample Composite Homogeneity: Good</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Plaster</td>
<td>ND</td>
<td></td>
</tr>
</tbody>
</table>

**Location: 073, Plaster girls**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
<th>Sample Composite Homogeneity: Good</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Plaster</td>
<td>ND</td>
<td></td>
</tr>
</tbody>
</table>

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## Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

<table>
<thead>
<tr>
<th>Client Sample Description</th>
<th>Collected</th>
<th>Analyzed</th>
<th>Weight</th>
<th>RDL</th>
<th>Lead Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>P01 Site: On plaster wall, staff rm East Desc: White</td>
<td>9/21/2019</td>
<td>9/26/2019</td>
<td>.279 g</td>
<td>80 ppm</td>
<td>&lt;80 ppm</td>
</tr>
<tr>
<td>P02 Site: On metal DF, staff rm North Desc: Green</td>
<td>9/21/2019</td>
<td>9/26/2019</td>
<td>.264 g</td>
<td>80 ppm</td>
<td>&lt;80 ppm</td>
</tr>
<tr>
<td>P03 Site: On stucco, ext. admin bldg Desc: Tan</td>
<td>9/21/2019</td>
<td>9/26/2019</td>
<td>.282 g</td>
<td>80 ppm</td>
<td>&lt;80 ppm</td>
</tr>
<tr>
<td>P04 Site: Beige paint on plaster Desc: Beige</td>
<td>9/21/2019</td>
<td>9/26/2019</td>
<td>.258 g</td>
<td>80 ppm</td>
<td>&lt;80 ppm</td>
</tr>
</tbody>
</table>

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by LA Testing Huntington Beach, CA AIHA-LAP, LLC--ELLAP Accredited #101650, CA ELAP 1406

---

Initial report from 09/27/2019 16:53:09

Printed: 9/27/2019 4:53:09 PM
# Lead (Pb) Chain of Custody

**EMSL Order ID** (Lab Use Only):

## #331920460

**Company:** ATC Group Services LLC  
**Street:** 25 Cupania Circle  
**City:** Monterey Park  
**State/Province:** CA  
**Report To (Name):** Elaine Horng  
**Email Address:** elaine.horng@atcgs.com

### Order Information
- **Order ID:** 331920460  
- **TelephoneNumber:** 323-517-9780  
- **Fax:** 323-517-9781  
- **Purchase Order:**  
- **Zip/Postal Code:** 91755  
- **Country:** United States

**Third Party Billing requires written authorization from third party**

### Turnaround Time (TAT) Options* - Please Check

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

*Analysis completed in accordance with EMSL’s Terms and Conditions located in the Price Guide

<table>
<thead>
<tr>
<th>Matrix</th>
<th>Method</th>
<th>Instrument</th>
<th>Reporting Limit</th>
<th>Check</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chips % by wt. mg/cm²</td>
<td>% ppm</td>
<td>Flame Atomic Absorption</td>
<td>0.01%</td>
<td></td>
</tr>
<tr>
<td>Air NIOSH 7082</td>
<td>Flame Atomic Absorption</td>
<td>4 µg/filter</td>
<td></td>
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<tr>
<td>Air NIOSH 7106</td>
<td>Graphite Furnace AA</td>
<td>0.03 µg/filter</td>
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<tr>
<td>Air NIOSH 7300 modified</td>
<td>ICP-AES/ICP-MS</td>
<td>0.5 µg/filter</td>
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<tr>
<td>Wipe* ASTM non ASTM</td>
<td>Flame Atomic Absorption</td>
<td>10 µg/wipe</td>
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<tr>
<td>Wipe is assumed</td>
<td>ICP-AES</td>
<td>1.0 µg/wipe</td>
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<tr>
<td>TCLP SW846-1311/7000B/SM 3111B</td>
<td>Flame Atomic Absorption</td>
<td>0.4 mg/L (ppm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Soil SW846-1311/7000B</td>
<td>ICP-AES</td>
<td>0.1 mg/L (ppm)</td>
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<tr>
<td>Soil SW846-7010</td>
<td>Flame Atomic Absorption</td>
<td>40 mg/kg (ppm)</td>
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<tr>
<td>Soil SW846-6010B or C</td>
<td>Graphite Furnace AA</td>
<td>0.3 mg/kg (ppm)</td>
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<td>Soil SW846-7010</td>
<td>ICP-AES</td>
<td>2 mg/kg (ppm)</td>
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<tr>
<td>Wastewater Unpreserved</td>
<td>Flame Atomic Absorption</td>
<td>0.4 mg/L (ppm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Preserved with HNO₃ pH &lt; 2</td>
<td>Graphite Furnace AA</td>
<td>0.003 mg/L (ppm)</td>
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<tr>
<td>Drinking Water Unpreserved</td>
<td>ICP-AES</td>
<td>0.020 mg/L (ppm)</td>
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<tr>
<td>Preserved with HNO₃ pH &lt; 2</td>
<td>Graphite Furnace AA</td>
<td>0.003 mg/L (ppm)</td>
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<tr>
<td>TSP/SPM Filter 40 CFR Part 50</td>
<td>ICP-AES</td>
<td>12 µg/filter</td>
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<tr>
<td>TSP/SPM Filter 40 CFR Part 50</td>
<td>Graphite Furnace AA</td>
<td>3.6 µg/filter</td>
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<td></td>
</tr>
</tbody>
</table>

**Name of Sampler:** Elaine Horng  
**Signature of Sampler:**

### Sample Information

<table>
<thead>
<tr>
<th>Sample #</th>
<th>Location</th>
<th>Volume/Area</th>
<th>Date/Time Sampled</th>
</tr>
</thead>
<tbody>
<tr>
<td>R01-R04</td>
<td>See attached</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Client Sample #s

**Client:**  
**Date:** 9/25/19  
**Time:** 9:30 AM

**Comments:**

- Received - CM (R) 9/25/19 12:35
### Lead Bulk Sample Log

#### Project: Barton Elementary  
**Surveyor(s):** 
**Date:** 09/21/19  
**Sample #:** PO1 PO2 PO3 PO4

<table>
<thead>
<tr>
<th>AREA USAGE</th>
<th>AREA NAME/DESCRIPTION</th>
<th>ESTIMATED QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Admin Bldg</td>
<td>10 SF</td>
</tr>
<tr>
<td>02</td>
<td>Boys &amp; Girls Bldg</td>
<td>12 SF</td>
</tr>
<tr>
<td>03</td>
<td>Ext.</td>
<td>4 SF</td>
</tr>
</tbody>
</table>

#### Material Description / Color
- On plaster wall, Swedish white  
- On metal de, staff, elk green  
- On studio, ext. Admin Bldg, tan  
- Beige paint on plaster, beige  

#### Unit Codes
- LF: Linear Feet  
- SF: Square Feet  
- EA: Each  
- P: Positive  
- N: Negative  
- Q.A.: Quality Assurance

#### Percentages

#### Area Usage Codes
1. Void/Chase/Cavity  
2. Mechanical  
3. Storage  
4. Occasional  
5. Continuous

#### Peel Code
1. Peeling  
2. Not Peeling  
3. Undamaged  
4. Chipped  
5. Drywall

#### Substrate Codes
1. Wood  
2. Metal  
3. Masonry  
4. Chaulking  
5. Plaster

#### Contact Code
1. Low  
2. Moderate  
3. High

---

**FOR LAB USE ONLY**

**ANALYST'S SIGNATURE/DATE**

**LAB DIRECTOR'S SIGNATURE/DATE**
NEW ENLARGED FIRST FLOOR PLAN - BLDG A

1/8" = 1'-0"

KEYNOTE | DESCRIPTION
--- | ---
0913 | (N) WALK OFF MAT, TANDUS TRIAD GEO TILE # 00979, MEDIUM GREY 00157
**SOUTH LOUNGE ELEVATION - NEW**

1/4" = 1'-0"

**KEYNOTE** | **DESCRIPTION**
--- | ---
0605 | (N) CERAMIC WALL TILE BACKSPLASH, REF SPEC, COLOR TO BE SELECTED BY ARCHITECT
2208 | (N) DISHWASHER PROVIDED BY DISTRICT

**ARCHITECT**

MARK GRAHAM
C-26046
03-31-21

**REF. DRAWING NO:** 6/A6.1

**APPL.** 04-118157

**BARTON ELEMENTARY SCHOOL MODERNIZATION**

SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT

2214 PUMALO ST. SAN BERNARDINO, CA 92404

**INTERIOR ELEVS AND ENLARGED PLANS**

**DRWN:** JY

**CHKD:** Checker

**DATE:** 11/14/19

**SCALE:** 1/4" = 1'-0"

**JOB NO:** 1720100
**KEYNOTE | DESCRIPTION**

| 0906 | (N) 5/8" GYPSUM BOARD, PAINTED, COLOR SELECTED BY ARCHITECT |
| 0908 | (N) 4" EPOXY BASEBOARD, REF 8.1 |
| 0911 | (N) CERAMIC TILES, COLOR TO BE SELECTED BY ARCHITECT |

---

**BARTON ELEMENTARY SCHOOL MODERNIZATION**

SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT

2214 PUMALO ST, SAN BERNARDINO, CA 92404
**KEYNOTE** | **DESCRIPTION**
---|---
0908 | (N) 4" EPOXY BASEBOARD, REF 8.1
0911 | (N) CERAMIC TILES, COLOR TO BE SELECTED BY ARCHITECT

**GYP. PAINTED. COLOR TO BE SELECTED BY ARCHITECT. REF SPECS, TYP**

**CERAMIC TILE. 45 DEGREE ANGLE, CENTERED ON DOOR ADJACENT WALL, COLOR TO BE SELECTED BY ARCHITECT, TYP**
0906 (N) 5/8" GYPSUM BOARD, PAINTED, COLOR SELECTED BY ARCHITECT

0908 (N) 4" EPOXY BASEBOARD, REF 8.1

0911 (N) CERAMIC TILES, COLOR TO BE SELECTED BY ARCHITECT
NOTES:
COLOR TO BE SELECTED BY ARCHITECT

ABBREVIATION:
C1 - COLOR #1
C2 - COLOR #2
C3 - COLOR #3

STOREFRONT ELEVATION

1/4" = 1'-0"

ARCHITECT

BARTON ELEMENTARY SCHOOL MODERNIZATION
SAN BERNARDINO CITY
UNIFIED SCHOOL DISTRICT
2214 PUMALO ST,
SAN BERNARDINO, CA 92404

DRWN: JY
CHKD: SJ
DATE: 11/14/19
SCALE: 1/4" = 1'-0"
JOB NO: 1720100

REF. DRAWING NO: 3/A7.2

APPL. 04-118157
CONCRETE SEAT WALL WITH PLANTER

1" = 1'-0"

A SECTION

MARK GRAHAM
C-26046
03-31-21

ARCHITECT

SOUTHERN CALIFORNIA
8163 ROCHESTER AVE.
SUITE 100
RANCHO CUCAMONGA
CALIFORNIA 91730

BARTON ELEMENTARY SCHOOL MODERNIZATION
SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT
2214 PUMALO ST, SAN BERNARDINO, CA 92404

APPL. 04-118157
REF. DRAWING NO: 10/2.1

SITE DETAILS AND GATE SCHEDULE

SOUTHERN CALIFORNIA
ADD-01
SK9

ARCHITECT

SOUTHERN CALIFORNIA
8163 ROCHESTER AVE.
SUITE 100
RANCHO CUCAMONGA
CALIFORNIA 91730

BARTON ELEMENTARY SCHOOL MODERNIZATION
SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT
2214 PUMALO ST, SAN BERNARDINO, CA 92404

APPL. 04-118157
REF. DRAWING NO: 10/2.1

SITE DETAILS AND GATE SCHEDULE

SOUTHERN CALIFORNIA
ADD-01
SK9

ARCHITECT
BACKER ROD & SEALANT, TYP.

SCHEDULED WINDOW

WALL PER WALL TYPE SCHEDULE

EXT. PLASTER O/ MTL. LATH

SLOPE: 1/8”/ FT

18 GA. ALUM. BREAK MTL COVER ALL SIDES.

PLASTER SCREED

18 GA. ALUM. BREAK MTL COVER ALL SIDES.

2X10 SHAPED BLK’S @ 16” O.C. SEE STRUCT DWG 2/S4.2

2X10 JOIST @ 16” O.C. SEE STRUCT DWG 2/S4.2

BACKER ROD & SEALANT, TYP.

PLY WD. TYP

10 1/2”

1 1/2” = 1'-0"

1’

2X10 JOIST @ 16” O.C.

SCHEDULED WINDOW

DRIP EDGE

2’ - 10 1/2”

PLY WD. TYP

BREAK METAL CANOPY

1

1 1/2” = 1'-0"

APPL. 04-118157

REF. DRAWING NO: 4/2.1

BARTON ELEMENTARY SCHOOL MODERNIZATION

SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT

2214 PUMALO ST.
SAN BERNARDINO, CA 92404

ARCHITECT

MARK GRAHAM
C-26046
03-31-21

ARCHITECTS

8163 ROCHESTER AVE.
SUITE 100
RANCHO CUCAMONGA
CALIFORNIA 91730

ADD-01

SITE DETAILS AND GATE SCHEDULE

DRWN: JY
CHKD: SJ
DATE: 11/14/19
SCALE: 1 1/2” = 1'-0"
JOB NO: 1720100

ARCHITECT

MARK GRAHAM
C-26046
03-31-21

SITE DETAILS AND GATE SCHEDULE

BARTON ELEMENTARY SCHOOL MODERNIZATION

SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT

2214 PUMALO ST.
SAN BERNARDINO, CA 92404

ARCHITECT

MARK GRAHAM
C-26046
03-31-21

ARCHITECTS

8163 ROCHESTER AVE.
SUITE 100
RANCHO CUCAMONGA
CALIFORNIA 91730

ADD-01

SITE DETAILS AND GATE SCHEDULE

DRWN: JY
CHKD: SJ
DATE: 11/14/19
SCALE: 1 1/2” = 1'-0"
JOB NO: 1720100
(N) IP ADDRESSABLE VIDEO DOOR STATION, SEE SPECS

STOREFRONT A1

1/4" = 1'-0"

(N) ROLLER SHADES 3'-0" X 3'-6" & 5'-7" X 10'-0", REF SPECS

SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT

BARTON ELEMENTARY SCHOOL MODERNIZATION

8163 ROCHESTER AVE.
SUITE 100
RANCHO CUCAMONGA
CALIFORNIA 91730

ARCHITECT

ARCHITECT

ARCHITECT

ARCHITECT

ARCHITECT

MARK GRAHAM
C-26046
03-31-21

BARTON ELEMENTARY SCHOOL MODERNIZATION
SAN BERNARDINO CITY
UNIFIED SCHOOL DISTRICT
2214 PUMALO ST,
SAN BERNARDINO, CA 92404

APPL. 04-118157
REF. DRAWING NO: 8.1

DOOR, FRAME AND WINDOW SCHEDULES

ADD-01

SK11

DRWN: JY
CHKD: SJ
DATE: 11/17/19
SCALE: 1/4" = 1'-0"
JOB NO: 1720100
1. **Symbol Mark**: Alphabetical designation assigned to specific window as shown in elevation.

2. **Size**: Overall width and height of window in feet and inches.

3. **Material**: Indicates material from which frame is constructed, i.e., HM - hollow metal, WD - wood, AL - aluminum, etc.

4. **Glass**: Designates type of glass to be installed in window, i.e., TG - tempered glass, LAM - laminated glass, WGL - wire glass, INSUL - insulating glass, etc.

5. **Details**: Reference numbers for sections as conditions exist at the wall, sill, or head of frames with any unusual detail referenced under separate heading 5d.

6. **Window Frame Fire Rating**: Designates alphabetical fire resistance rating classification label required for window frame with time period required in hours.

7. **Remarks**: References special, unusual or abstract conditions which exist and are not covered in schedule items 1 thru 6 refer to remarks reference schedule for numerical designations.

---

**Window Schedule Column Reference Guide**

---

**APPL. 04-118157**

**Ref. Drawing No:** 8.1

**Door, Frame and Window Schedules**

<table>
<thead>
<tr>
<th>DRWN:</th>
<th>JY</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHKD:</td>
<td>CTW</td>
</tr>
<tr>
<td>DATE:</td>
<td>11/14/19</td>
</tr>
<tr>
<td>SCALE:</td>
<td></td>
</tr>
<tr>
<td>JOB NO:</td>
<td>1720100</td>
</tr>
</tbody>
</table>

**Barton Elementary School Modernization**

SAN BERNARDINO CITY

UNIFIED SCHOOL DISTRICT

2214 Pumalo St.,
SAN BERNARDINO, CA 92404
### Door Schedule

<table>
<thead>
<tr>
<th>Nominal Size</th>
<th>Door Type</th>
<th>Material</th>
<th>Height</th>
<th>Finish</th>
<th>Jamb</th>
<th>Head</th>
<th>Sill</th>
<th>Other</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1A 3'-0&quot; 7'-0&quot; 1 3/4&quot;</td>
<td>AL A PC</td>
<td>AL 3 PC</td>
<td>6/- 5/- 15/-</td>
<td>1</td>
<td>1.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A1B 3'-0&quot; 7'-0&quot; 1 3/4&quot;</td>
<td>HM C P</td>
<td>HM 1 P</td>
<td>9/- 9/- 15/-</td>
<td>2</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A2 3'-0&quot; 7'-0&quot; 1 3/4&quot;</td>
<td>SC D PL</td>
<td>HM 2 P</td>
<td>13/- - 3E/-</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A2A 3'-0&quot; 7'-0&quot; 1 3/4&quot;</td>
<td>HM B P</td>
<td>HM 1 P</td>
<td>9/- 9/- 15/-</td>
<td>2</td>
<td>1.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A2B 3'-0&quot; 7'-0&quot; 1 3/4&quot;</td>
<td>SC C PL</td>
<td>HM 1 P</td>
<td>13/- 13/- 3A/-</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A3A 3'-0&quot; 7'-0&quot; 1 3/4&quot;</td>
<td>HM C P</td>
<td>HM 1 P</td>
<td>9/- 9/- 15/-</td>
<td>2</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A3B 3'-0&quot; 7'-0&quot; 1 3/4&quot;</td>
<td>SC C PL</td>
<td>HM 1 P</td>
<td>13/- 13/- 3C/-</td>
<td>4</td>
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<td></td>
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<td></td>
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<tr>
<td>A5A 3'-0&quot; 7'-0&quot; 1 3/4&quot;</td>
<td>SC B PL</td>
<td>HM 1 P</td>
<td>13/- 13/- 3D/-</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A6A 3'-0&quot; 7'-0&quot; 1 3/4&quot;</td>
<td>SC B PL</td>
<td>HM 1 P</td>
<td>13/- 13/- 3D/-</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A7A 3'-0&quot; 7'-0&quot; 1 3/4&quot;</td>
<td>SC B PL</td>
<td>HM 1 P</td>
<td>13/- 13/- 3A/-</td>
<td>4</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>A9A 3'-0&quot; 7'-0&quot; 1 3/4&quot;</td>
<td>SC B PL</td>
<td>HM 1 P</td>
<td>13/- 13/- 3D/-</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A10B 3'-0&quot; 7'-0&quot; 1 3/4&quot;</td>
<td>SC B PL</td>
<td>HM 1 P</td>
<td>13/- 13/- 3D/-</td>
<td>8</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>C108 3'-0&quot; 7'-0&quot; 1 3/4&quot;</td>
<td>HM B P</td>
<td>HM 1 P</td>
<td>13/- 13/- 15/-</td>
<td>10</td>
<td>1.2</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>C111 3'-0&quot; 7'-0&quot; 1 3/4&quot;</td>
<td>HM B P</td>
<td>HM 1 P</td>
<td>9/- 9/- 15/-</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Door Type Legend**

- **AL**: Aluminum
- **HM**: Hardwood
- **SC**: Steel
- **PC**: Prehung
- **PL**: Prehung

**Material Types**

- **B**: Blanks
- **C**: Clear
- **D**: Deflection
- **E**: Exposed
- **F**: Finish
- **P**: Plain
- **PC**: Prehung
- **PL**: Prehung

**Finish Materials**

- **A**: Anigre
- **B**: Birch
- **C**: Cherry
- **D**: Douglas Fir
- **F**: Finish
- **P**: Plain
- **W**: Walnut

**Fire Rating**

- **1**: One Hour
- **2**: Two Hours
- **3**: Three Hours

**Remarks**

- **1,3**: One and One Half Hour
- **1**: One Hour
- **2**: Two Hours
- **3**: Three Hours
- **10**: Ten Hours
- **12**: Twelve Hours
- **15**: Fifteen Hours
- **15/-**: Fifteen Minutes

**Door Frame Details**

- **JAMB**: Jamb
- **HEAD**: Head
- **SILL**: Sill
- **OTHER**: Other

**Scale:** 1/4" = 1'-0"
THE ABOVE HATCH INDICATES THE EXTENT OF ADD ALTERNATE NUMBER 2. SEE DESCRIPTION IN ADDENDUM 1 TEXT FOR SCOPE OF WORK.
TACKABLE WALL BOARDS TYPICAL OF THREE
4' - 5"
6' - 0"
3' - 7"

1X4 WOOD TRIM, PAINTED
SEMI-GLOSS TYP. - SEE DETAIL 5/-

ACCENT
PAINT COLOR

TO HANDLE
3' - 11"

FE - PER
PLAN

1' - 6"

ACCENT COLOR WALL
BELOW CHAIR RAIL

4" WIDE X LENGTH X 18GA
STAINLESS STEEL CHAIR RAIL
AROUND ENTIRE ROOM AS SHOWN.
ATTACH WITH 3M TAPE AND #6 1"L
PAN HEAD SS SCREWS AT 48" OC
AND ONE ON EA END. INSTALL AT
31" AFF TO CENTER OF RAIL

PRINTED VINYL WALL GRAPHIC.
ARCHITECT TO PROVIDE GRAPHIC
IMAGE.

PRINTED VINYL
WALL GRAPHIC

CHAIR RAIL PER
ABOVE NOTE

ELECTRICAL PANEL TO
REMAIN. CUT WALL GRAPHIC
AROUND PANEL TO ALLOW
FOR DOOR OPERATION

ACCENT PAINTED WALL COLOR

PAINTED PAW PRINT
DIGITAL PRINTED VINYL GRAPHIC
CHAIR RAIL PER ABOVE

ACCENT PAINTED WALL COLOR

EXTERIOR
EXISTING
CALENDAR
REQUIED
FINISH
NAILS
TYPICAL
MARK GRAHAM
C-26046
03-31-21

SOUTHERN CALIFORNIA
ARCHITECTS
CLIENT FOCUSED • PASSION DRIVEN
www.wlcarchitects.com
8163 ROCHESTER AVENUE, SUITE 100
RANCHO CUCAMONGA
CALIFORNIA 91730-0729
TEL: 909-987-0909

SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT
BARTON ELEMENTARY SCHOOL
MODERNIZATION
2214 PUMALO ST, SAN BERNARDINO, CA 92404

1 11/14/19 ADDENDUM 01
1/4" = 1'-0"
CRESTRON HAS BEEN ACCEPTED AS AN ACCEPTABLE MANUFACTURE FOR LIGHTING CONTROLS.