November 18, 2019

TO : All Bidders
FROM : Mark Graham
PROJECT : Rio Vista Elementary School Modernization
          Project 1719800.41
SUBJECT : Addendum 1
DSA : 04-118156 / 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 "A1", per Specification Section 12 24 00 will be an Add Alternate 1 for this project. Building "A1" roller shades shall be part of the base bid.

1.2 NO. 2 - See attachment SK27 for Add Alternate 2. This will include all landscape and irrigation improvements as shown on Landscape drawings that affect the area clouded on SK27. All irrigation, valves, timers, and plantings shall be required for remaining planter areas not called out in SK27.

GENERAL ITEMS FOR ALL TRADES

1.3 Contractor shall provide R30 batt insulation in roof structure for all of Building A1. Exclude Lounge A9.

1.4 Contractor shall provide plywood backing behind mirrors to plumb mirrors with wainscot tiled walls. Hold plywood back 1" from all edges. Paint to match walls typical.

1.5 The word "landscape" shall mean "landscape" typical throughout.

1.6 Use Detail 3A/2.1 for expansion joints where cast-in-place wall meets sidewalks or ramps for Details 4/2.1, 5/2.1, and 6/2.1.

1.7 See attached "Material List" for selected colors and materials for this project.
1.8 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.

1.9 Contractor shall keep the fire alarm fully operational during entire remodel, including school holidays and breaks. Currently, it is located in Building "A1" where the bulk of work is occurring.

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

1.11 Contractor shall keep the current PA system operational at all times while school is in session. Coordinate with District for requirements over summertime hours.

1.12 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 provide by Architect at later date.

1.13 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.

1.14 Contractor to paint the underside of the roof overhangs on both east and west side of Building "A1". East side has large canopy overhang with several conduits that shall be painted as well.

1.15 Contractor shall provide concrete yard boxes with steel vandal proof lids for in-ground shut-off valves as shown between Buildings "A1" and "C". Repair all concrete surfaces to original.

1.16 See attached renderings for Building "A1" exterior paint finish. Multiple colors and shapes are proposed.

1.17 Contractor shall paint the west face of Building "A". See attached Drawing 9.5 for proposed color and graphic.

1.18 All work in Building "MU" & Building A Classrooms A2, A3, A4 & A5 shall be completed between June 6, 2020 and July 19, 2020.

1.19 Contractor shall provide (1) CAT 5E cable from A.V. Stor. A10 to irrigation controller. Cable shall be ran in 3/4" PVC conduit typical.

1.20 All exterior windows will be sealed insulated glass per Section 08 80 00.

1.21 The word “Minte” shall be “Minute” typical throughout.
PROJECT MANUAL

1.22 SECTION 02 41 19 - SELECTIVE DEMOLITION
   A. Add the attached section in its entirety.

1.23 SECTION 08 80 00 - GLAZING
   Revise - 2.6 Laminated glass products
   A. Laminated Safety Glass
      1. Glass: Class 1 - “Clear for both plies”
      2. Color of Plastic Interlayer - “Color selected by Architect”.

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

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

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

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

DRAWINGS

Civil

1.28 DRAWING C2.02
   A. Replace this drawing in its entirety with attached C2.02.

Landscape

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

1.30 DRAWING LID.1
   A. Delete this drawing in its entirety and replace it with the attached Drawing LID.1.
1.31 DRAWING LP.1
   A. Delete this drawing in its entirety and replace it with the attached Drawing LP.1.

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

Architectural

1.33 DRAWING A1.1
   A. Detail 1
      1. Revise drawing per attached SK1.

1.34 DRAWING A1.2
   A. Detail 3
      1. Revise Note 1029 on accessible parking stall to 1030 per the attached SK2.

1.35 DRAWING A2.0
   A. REFERENCE NOTES
      1. Replace Note 0670 with Keynote 0016 which reads "DEMO AND DISPOSE (E)
         SINK AND ASSOCIATED PLUMBING ITEMS, REF PLUMBING DWGS ".

1.36 DRAWING A2.3
   A. Detail 6
      1. Add dimension to parking lot striping per attached SK3.

1.37 DRAWING A2.4
   A. Detail 1
      1. Delete Ref Note 0124 at northeast corner of building.

      2. Add Note 0124 and leader to electrical box that is west of "OFFICE 1" on
         exterior wall.

      3. Revise "5'-0"" to "6'-0"" for new AV STOR. Room dimension for north/south
         dimension.

      4. Add a pair of 3'-0" gates as shown in attached SK4. Gate shall be 6'-0" high
         and used for maintenance operations only. See similar details from 19/2.1.
B. Detail 2
   1. Revise sketch per attached SK5.

1.38 DRAWING A3.1

A. Detail 2
   1. Replace detail with the attached SK6.

B. Detail 4
   1. Add "AND BLDG C" to detail title.

1.39 DRAWING A4.1

A. Detail 1
   1. Replace detail with the attached SK26.

B. Detail 2
   1. Replace detail with the attached SK7.

C. Detail 4
   1. Replace detail with the attached SK8.

D. Detail 6
   1. Replace detail with the attached SK9.

E. Detail 7
   1. Replace detail with the attached SK10.

F. Detail 14
   1. Add note "caulk all fasteners that penetrate exterior wall finish typical."

1.40 DRAWING A6.1

A. Replace Drawing A6.1 in its entirety with the attached Drawing A6.1.
   1. Detail 3D
      a. Add Detail Callout 2 per the attached SK11.
2. Detail 3E  
   a. Add Detail Callout 1 per the attached SK11.

1.41 DRAWING A6.2  
A. Add GENERAL NOTES per attached SK12. VERBAGE CLARIFICATION.
   1. Detail 1  
      a. Revise Note 0128 to read "DEMO AND DISPOSE (E) URINAL, REMOVE DAMAGED TILES AND PATCH WALL WITH NEW TILES TO MATCH EXISTING, PREP FOR NEW FIXTURE"
      b. Revise Note 0129 to read "RELOCATE (E) ADA GRAB BAR TO ACCESSIBLE ELEMENTARY RANGE, REMOVE DAMAGED TILES AND PATCH WALL WITH NEW TILES TO MATCH EXISTING, REF MOUNTING HEIGHT SCHEDULE 24/10.2, SEE DTL 18/10.1"
      c. Revise Note 0127 to read "DEMO AND DISPOSE (E) TOILET, REMOVE DAMAGED TILES AND PATCH WALL WITH NEW TILES TO MATCH EXISTING, PREP FOR NEW TOILET FIXTURE"

2. Detail 2  
   a. (Floor plan view) For Boys’ C101 revise Ref Note "1032" to "1033" and revise "1033" to "1032".
   b. Revise Note 2205 to read "(N) URINAL TO MATCH EXISTING, REF PLUMBING DWGS & MOUNTING HEIGHT SCHEDULE 24/10.1"
   c. Replace Note 2209 with Note 2203 which reads "(N) ACCESSIBLE TOILET, REF PLUMB DWGS & REF MOUNTING HEIGHT SCHEDULE 24/10.1"
   d. Revise Note 2206 to read "(N) LAVATORY, REF PLUMB DWGS & REF MOUNTING HEIGHT SCHEDULE 24/10.1"

1.42 DRAWING A6.3  
A. REFERENCE NOTES  
   1. Revise Note 0908 from "(N) 4" EPOXY BASEBOARD" to "(N) 4" EPOXY INTEGRAL COVE BASE".
1.43 DRAWING A6.4

A. REFERENCE NOTES
   1. Replace entire drawing with attached A6.4.
   2. Add Detail 8/A6.4, MU Room West Elevation.

B. Detail 5
   1. Add wall section detail per the attached SK13.

1.44 DRAWING A7.1

A. Replace Drawing A7.1 in its entirety with the attached Drawing A7.1.

B. Detail 4
   1. Add wall section Detail 1 per the attached SK14.

1.45 DRAWING 2.1

A. Detail 3
   1. Replace detail with attached SK15.

B. Detail 6
   1. Replace detail with attached SK16.

C. Detail 10
   1. Revise detail to use a 1” chamfer only for the planter side of the seat wall. Staggered chamfer is not required at planter side.

D. Detail 21
   1. Revise "anchor pin" to "steel anchor pin"

E. Replace detail 22 with attached SK17.

1.46 DRAWING 8.1

A. Detail 4
   1. Delete detail in entirety.
B. Detail 5
   1. Replace detail with attached SK18.

C. Door Schedule
   1. Replace Door Schedule with the attached SK19.

D. Door Type Legend
   1. Replace Door Type Legend with the attached SK20.

E. Window Schedule
   1. Replace window schedule with attached SK21.

**1.47 DRAWING 9.1**

A. Detail 1
   1. Revise “Porcelain Wall Tile” to say “Ceramic Wall Tile”.

B. Detail 3
   1. Revise “Porcelain Wall Tile” to say “Ceramic Wall Tile”.

C. Detail 4
   1. Add “Ceramic tile” and leader to tiles.

D. Detail 9
   1. Replace with attached SK22.

E. Detail 10
   1. Add “Ceramic tile” and leader to tiles on both sides of wall.

F. Detail 18
   1. Revise “ti” to “to”.

G. Detail 24
   1. Delete “Note: See…surfaces, typical”.

**1.48 DRAWING 9.3**

A. Add attached new Drawing 9.3 in its entirety.
1.49 DRAWING 9.4
A. Add attached new Drawing 9.4 in its entirety.

1.50 DRAWING 9.5
A. Add attached new Drawing 9.5 in its entirety.

1.51 DRAWING 10.2
A. Detail 4
   1. Replace detail with attached SK23.

   B. Detail 5
   1. Replace detail with attached SK24.

   C. Detail 9
   1. Replace detail with attached SK25.

Structural

1.52 DRAWING S0.1
A. Delete this drawing in its entirety and replace it with the attached Drawing S0.1.

1.53 DRAWING S0.2
A. Delete this drawing in its entirety and replace it with the attached Drawing S0.2.

1.54 DRAWING S1.1
A. Delete this drawing in its entirety and replace it with the attached Drawing S1.1.

1.55 DRAWING S2.1
A. Delete this drawing in its entirety and replace it with the attached Drawing S2.1.

1.56 DRAWING 3.1
A. Delete this drawing in its entirety and replace it with the attached Drawing S3.1.
1.57 DRAWING S3.2
   A. Delete this drawing in its entirety and replace it with the attached Drawing S3.2.

1.58 DRAWING S4.1
   A. Delete this drawing in its entirety and replace it with the attached Drawing S4.1.

1.59 DRAWING S4.2
   A. Delete this drawing in its entirety and replace it with the attached Drawing S4.2.

Mechanical

1.60 DRAWING M 2.1
   A. Delete this drawing in its entirety and replace it with the attached Drawing M 2.1.

1.61 DRAWING M 2.2
   A. Add the attached Drawing M 2.2 in its entirety.

1.62 DRAWING M 3.1
   A. Delete this drawing in its entirety and replace it with the attached Drawing M 3.1.

Plumbing

1.63 DRAWING P4.1
   A. Delete this drawing and replace with the attached Drawing P4.1 in its entirety.

Electrical

1.64 DRAWING E0.2
   A. Replace this drawing with the attached Drawing E0.2 in its entirety.

1.65 DRAWING E2.1
   A. Replace this drawing with the attached Drawing E2.1 in its entirety.

1.66 DRAWING E2.2
   A. Replace this drawing with the attached Drawing E2.2 in its entirety.
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1.67 DRAWING E2.3

A. Replace this drawing with the attached Drawing E2.3 in its entirety.

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: br/P41720100x1-add

Attachments: Material List
Phasing Plan
Renderings
Section 02 41 19 - Selective Demolition
Section 09 30 12 - Ceramic Tile Wall Finishing
Section 12 24 00 - Window Shades Clutch XD Operated Window Shades
Drawings: SK27, 9.5, C2.02, LI.1, LID.1, LP.1, LPD.1, SK1, SK2, SK3, SK4, SK5, SK6, SK26, SK7, SK8, SK9, SK10, A6.1, SK11, SK12, A6.4, SK13, A7.1, SK14, SK15, SK16, SK17, SK18, SK19, SK20, SK21, SK22, 9.3, 9.4, 9.5, SK23, SK24, SK25, S0.1, S0.2, S1.1, S2.1, S3.1, S3.2, S4.1, S4.2, M 2.1, M 2.2, M 3.1, P4.1, E0.2, E2.1, E2.2, E2.3
ASBESTOS REPORT
LEAD REPORT
BID FORM
4. **Alternate Bids:**

   **ALTERNATE NO. 1 - NO. 1** - All roller shades identified for all buildings other than Building "A1", per Specification Section 12 24 00 will be an Add Alternate 1 for this project. Building "A1" roller shades shall be part of the base bid. $ ____________________________

   **ALTERNATE NO. 2 - NO. 2** - See attachment SK27 for Add Alternate 2. This will include all landscape and irrigation improvements as shown on Landscape drawings that affect the area clouded on SK27. All irrigation, valves, timers, and plantings shall be required for remaining planter areas not called out in SK27.

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. F19-11Rio Vista ES Modernization**

San Bernardino City Unified School District
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
SECTION 09 30 12
CERAMIC TILE WALL FINISHING

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: American Olean - Perspecta - 8" x 24" wall tile - Starburst Yellow PE14 (2).
   Type 2: Backsplash - Daltile - Rittenhouse Square - 2" x 4" - SWCH Arctic White STD.
   Type 3: Trim - American Olean - Perspecta - 1/2" x 12" L - Jolly S1212J - Starburst Yellow PE23 (2).

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 1 ½" 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
Rio Vista 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, Black Aluminum Mullions
Gutter Color
- 20 GA Prefabricated Pre-Finished Sheet Metal, Gray
Handrails
- Galvanized Finish
Slat Fence Color
- Privacy Link, Tube Slat, Gray
Silicone Sealant
- Dowsil 795 Silicone Building Sealant, Black
Stucco Color
- Dunn Edwards Paint, Honey Glow (DE5354)
- 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 Finished, Cermaguard, White
Backsplash
- Daltile – Rittenhouse Square – 2x4” SWCH Arctic White STD
Carpet
- Mannington – Glitch Art Collection – Crosstalk – Digital Signal
Ceramic Tile
- Perspecta – 8” x 24” Wall Tile – Starburst Yellow
- Perspecta – ½” x 12” Jolly Trim – Starburst Yellow
Counter Top
- DuPont, Zodiaq, Storm Gray
Glazing
- Vanceva, Color #H HHHH, Transparent, Gray
- Vanceva, Color #3466, Transparent, Blue
- 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, Aura 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

Marker Board
• Deko Marker-board, Magnetic, Ghost-free, Optically Clear, Shatterproof, Traditional 4’ x 8’, Crown Corner Edge, Frameless Marker-board. Color to be selected by Architect within manufacturers standard color line.

Paint
• Dunn Edwards Paint, Rainy Lake (DE5852)
• Dunne Edwards Paint, Honey Glow (DE5354)
• 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, Azure PE109, Bond
• Mannington, Primary Element LVT, 12” x12” & 12” x 24” Tile, Alumina PE119, Bond

Paint
• Dunn Edwards Paint, Honey Glow (DE5354)
• Dunn Edwards Paint, Silver Spoon (DE6366)
• Dunn Edwards Paint, Cool December (DEW383)
CONTRACTOR TO PAINT EXTERIOR
BUILDING PER RENDERING COLORS
ATTACHED, REF MATERIAL LIST
Report for:

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

Regarding:  
Project: 1011601607; Rio Vista Elementary School  
EML ID: 2260790

Approved by:  
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.
Client: ATC Group Services LLC: Monterey Park  
C/O: Elaine Horng  
Re: 1011601607; Rio Vista Elementary School

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

<table>
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<tr>
<th>Location: 001, 12&quot;x12&quot; Tan with tan thick smudges FT with mastic nurse's office</th>
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Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.  
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

EMLab ID: 2260790, Page 2 of 13
Client: ATC Group Services LLC: Monterey Park  
C/O: Elaine Horng  
Re: 1011601607; Rio Vista 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, Baseboard mastic copy room**  
Lab ID-Version‡: 10750220-1

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Sample Composite Homogeneity: Good

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**Location: 006, Baseboard mastic staff room**  
Lab ID-Version‡: 10750221-1

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Sample Composite Homogeneity: Good

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**Location: 007, Carpet tile mastic staff room**  
Lab ID-Version‡: 10750222-1

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Sample Composite Homogeneity: Good

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**Location: 008, Carpet tile mastic conf**  
Lab ID-Version‡: 10750223-1

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Sample Composite Homogeneity: Good

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### Location: 009, Carpet tile mastic admin

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Sample Composite Homogeneity: Good

### Location: 010, Leveling compound/mastic copy room

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<td>Gray Leveling Compound</td>
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Sample Composite Homogeneity: Moderate

### Location: 011, Leveling compound/mastic copy room

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Sample Composite Homogeneity: Moderate

### Location: 012, Leveling compound/mastic copy room

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Sample Composite Homogeneity: Moderate

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### ASBESTOS PLM REPORT

**Location: 013, Plaster staff room NW**

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<th>Lab ID-Version‡: 10750228-1</th>
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<tr>
<td>Gray Plaster</td>
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**Sample Composite Homogeneity: Good**

**Location: 014, Plaster copy rm S**

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<td>White Skim Coat</td>
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**Sample Composite Homogeneity: Good**

**Location: 015, Plaster nurse's office E**

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**Sample Composite Homogeneity: Good**

**Location: 016, Joint compound admin N**

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<tr>
<td>Blue Compound</td>
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**Sample Composite Homogeneity: Good**

---

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‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".
Client: ATC Group Services LLC: Monterey Park  
C/O: Elaine Horng  
Re: 1011601607; Rio Vista Elementary School  

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

**ASBESTOS PLM REPORT**  

<table>
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<tr>
<th>Location</th>
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<th>Sample Composite Homogeneity</th>
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<tbody>
<tr>
<td><strong>Location: 017, Joint compound admin E</strong></td>
<td>Blue Compound</td>
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<tr>
<td><strong>Location: 018, Joint compound staff NW</strong></td>
<td>Gray Compound</td>
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<tr>
<td><strong>Location: 019, Joint compound copy S</strong></td>
<td>Gray Compound</td>
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<td><strong>Location: 020, Joint compound nurse's E</strong></td>
<td>Gray Compound</td>
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**ASBESTOS PLM REPORT**

**Location: 021, Sink under coat mastic nurse's office**

<table>
<thead>
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<th>Sample Layers</th>
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<tbody>
<tr>
<td>Gray Sink Undercoating Mastic</td>
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</table>

Sample Composite Homogeneity: Good

**Location: 022, Wall tile grout and mortar RR 1**

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

Sample Composite Homogeneity: Good

**Location: 023, Wall tile grout and mortar nurse's RR**

<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 Compound</td>
<td>ND</td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good

**Location: 024, Wall tile grout and mortar nurse's RR**

<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 Compound</td>
<td>ND</td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good

---

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---

EMLab P&K, LLC

EMLab ID: 2260790, Page 7 of 13
**ASBESTOS PLM REPORT**

**Location: 025, F.T. grout mortar boy's**

<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>Gray Mortar</td>
<td>ND</td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good

---

**Location: 026, F.T. grout mortar boy's**

<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>Gray Mortar</td>
<td>ND</td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good

---

**Location: 027, F.T. grout mortar girl's**

<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>Gray Mortar</td>
<td>ND</td>
</tr>
</tbody>
</table>

Sample Composite Homogeneity: Good

---

**Location: 028, Floor tile grout and mortar RR1**

<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; Rio Vista Elementary School  
Date of Sampling: 09-21-2019  
Date of Receipt: 09-25-2019  
Date of Report: 09-26-2019

**ASBESTOS PLM REPORT**

**Location: 029, Floor tile grout and mortar nurse's 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: 030, Floor tile grout and mortar nurse's 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: 031, Stucco bldg C-ext. boys and girls**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green Stucco (Trace)</td>
<td>ND</td>
</tr>
<tr>
<td>Gray Cementitious Material</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Sample Composite Homogeneity:** Good

**Location: 032, Stucco bldg C-ext. boys and girls**

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green Stucco (Trace)</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; Rio Vista Elementary School  
**Date of Sampling:** 09-21-2019  
**Date of Receipt:** 09-25-2019  
**Date of Report:** 09-26-2019  

### ASBESTOS PLM REPORT

**Location:** 033, Stucco bldg C-ext. boys and girls  
Lab ID-Version‡: 10750248-1

<table>
<thead>
<tr>
<th>Sample Layers</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green Stucco (Trace)</td>
<td>ND</td>
</tr>
<tr>
<td>Gray Cementitious Material</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Sample Composite Homogeneity:** Good

**Location:** 034, Plaster boy's RR  
Lab ID-Version‡: 10750249-1

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

**Sample Composite Homogeneity:** Good

**Location:** 035, Plaster boy's RR  
Lab ID-Version‡: 10750250-1

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

**Sample Composite Homogeneity:** Good

**Location:** 036, Plaster girl's RR  
Lab ID-Version‡: 10750251-1

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

**Sample Composite Homogeneity:** Good

---

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‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".
<table>
<thead>
<tr>
<th>Location: 037, Wall tile cement boys</th>
<th>Lab ID-Version‡: 10750252-1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sample Layers</strong></td>
<td><strong>Asbestos Content</strong></td>
</tr>
<tr>
<td>White Cementitious Material</td>
<td>ND</td>
</tr>
<tr>
<td><strong>Sample Composite Homogeneity:</strong></td>
<td>Good</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location: 038, Wall tile cement boys</th>
<th>Lab ID-Version‡: 10750253-1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sample Layers</strong></td>
<td><strong>Asbestos Content</strong></td>
</tr>
<tr>
<td>White Cementitious Material</td>
<td>ND</td>
</tr>
<tr>
<td><strong>Sample Composite Homogeneity:</strong></td>
<td>Good</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location: 039, Wall tile cement girls</th>
<th>Lab ID-Version‡: 10750254-1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sample Layers</strong></td>
<td><strong>Asbestos Content</strong></td>
</tr>
<tr>
<td>White Cementitious Material</td>
<td>ND</td>
</tr>
<tr>
<td><strong>Sample Composite Homogeneity:</strong></td>
<td>Good</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location: 040, Wall tile grout boys</th>
<th>Lab ID-Version‡: 10750255-1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sample Layers</strong></td>
<td><strong>Asbestos Content</strong></td>
</tr>
<tr>
<td>Gray Grout</td>
<td>ND</td>
</tr>
<tr>
<td><strong>Sample Composite Homogeneity:</strong></td>
<td>Good</td>
</tr>
</tbody>
</table>

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**ASBESTOS PLM REPORT**

**Location: 041, WT grot boys**  
Lab ID-Version‡: 10750256-1

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

**Location: 042, WT grout girls**  
Lab ID-Version‡: 10750257-1

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

**Location: 043, Stucco-admin bldg-ext.**  
Lab ID-Version‡: 10750258-1

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

**Location: 044, Stucco-admin bldg-ext.**  
Lab ID-Version‡: 10750259-1

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

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### ASBESTOS PLM REPORT

#### Location: 045, Stucco-admin bldg-ext.

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

Sample Composite Homogeneity: Good

#### Location: 046, Stucco-admin bldg-ext.

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

Sample Composite Homogeneity: Good

#### Location: 047, Stucco-admin bldg-ext.

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

Sample Composite Homogeneity: Good

---

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

### Client Sample Description

<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: Copy room</td>
<td>9/22/2019</td>
<td>9/26/2019</td>
<td>.273 g</td>
<td>80 ppm</td>
<td>&lt;80 ppm</td>
</tr>
<tr>
<td>331920487-0001</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P02 Site: Staff rm, East</td>
<td>9/22/2019</td>
<td>9/26/2019</td>
<td>.26 g</td>
<td>80 ppm</td>
<td>&lt;80 ppm</td>
</tr>
<tr>
<td>331920487-0002</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P03 Site: Boys RR, bldg C</td>
<td>9/22/2019</td>
<td>9/26/2019</td>
<td>.264 g</td>
<td>80 ppm</td>
<td>2500 ppm</td>
</tr>
<tr>
<td>331920487-0003</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P04 Site: Ext, admin bldg</td>
<td>9/22/2019</td>
<td>9/26/2019</td>
<td>.278 g</td>
<td>80 ppm</td>
<td>&lt;80 ppm</td>
</tr>
<tr>
<td>331920487-0004</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FAAS. 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

---

Michael Chapman, Laboratory Manager or other approved signatory

Initial report from 09/27/2019 16:55:46
# Lead (Pb) Chain of Custody

**EML Order ID (Lab Use Only):** #331920487

**Company:** ATC Group Services LLC  
**Street:** 25 Cupania Circle  
**City:** Monterey Park  
**State/Province:** CA  
**Zip/Postal Code:** 91755  
**Country:** United States

**Report To (Name):** Elaine Horng  
**Email Address:** elaine.horng@atcgs.com  
**Project Name/Number:** 10/160/007 / PZ-001

**Telephone #:** 323-517-9780  
**Fax #:** 323-517-9781  
**Purchase Order:**  
**Please Provide Results:** ✅ Email ✅ Mail

**CT Samples:**  
- □ Commercial/Taxable  
- □ Residential/Tax Exempt

**Matrix**  
<table>
<thead>
<tr>
<th>Chips</th>
<th>% by wt.</th>
<th>mg/cm²</th>
<th>ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>SW846-7000B</td>
<td>Flame Atomic Absorption</td>
<td>0.01%</td>
<td></td>
</tr>
</tbody>
</table>

**Air**  
- NIOSH 7082, Flame Atomic Absorption  
- NIOSH 7105, Graphite Furnace AA  
- NIOSH 7300 modified, ICP-AES/ICP-MS  
- SW846-6010B or C, ICP-AES  
- SW846-7000B or 7010, Graphite Furnace AA  
- 10 µg/filter, 0.5 µg/filter, 1.0 µg/filter, 0.075 µg/filter, 1.0 µg/filter

**Wipe**  
- Atmospheric Method:  
  - ASTM  
  - Non-ASTM  
- Wipe is assumed

**TCLP**  
- SW846-1311/7000B/SM 3111B, Flame Atomic Absorption  
- SW846-1131/SW846-6010B or C, ICP-AES  
- 0.4 mg/L (ppm), 0.1 mg/L (ppm)

**Soil**  
- SW846-7000B  
- SW846-7010  
- SW846-6010B or C, ICP-AES  
- 40 mg/kg (ppm), 0.3 mg/kg (ppm), 2.0 mg/kg (ppm)

**Wastewater**  
- Unpreserved  
- Preserved with HNO₃ pH < 2  
- SM3111B/SW846-7000B, Flame Atomic Absorption  
- EPA 200.0, Graphite Furnace AA  
- 0.003 mg/L (ppm), 0.020 mg/L (ppm)

**Drinking Water**  
- Unpreserved  
- Preserved with HNO₃ pH < 2  
- EPA 200.0, Graphite Furnace AA  
- 0.003 mg/L (ppm), 0.001 mg/L (ppm)

**TSP/SPM Filter**  
- 40 CFR Part 50  
- 40 CFR Part 50, Graphite Furnace AA  
- 12 µg/filter, 3.6 µg/filter

**Name of Sampler:**  
**Signature of Sampler:**

**Sample #**  
**Location**  
**Volume/Area**  
**Date/Time Sampled**

**Client Sample #s**  
**Total # of Samples:** 4

**Relinquished (Client):**  
**Date:** 9/24/19  
**Time:**  
**Received (Lab):**  
**Date:** 9/25/19  
**Time:** 9:25 AM

**Comments:**

*Analysis completed in accordance with EML's Terms and Conditions located in the Price Guide*
**Lead Bulk Sample Log**

**Project No.**
Rio Vista E.S.

**Surveyor(s):**
Elaine H/Max Q

**Date:**
09/21/19

**Order ID:** 331920487

**Unit Codes**
- LF: Linear Feet
- SF: Square Feet
- EA: Each
- N: Negative
- P: Positive

**Percentages**
- Paint
- Water
- Dust
- QA
- Other

**Area Usage Codes**
- 01 WATER
- 02 DUST
- 03 DOOR, HEADER
- 04 DOOR, JAMB
- 05 DOOR, CASING
- 06 STAIR, TREADS
- 07 STAIR, RISERS
- 08 STAIR, STRINGER
- 09 BALUSTER
- 10 RAILING CAP
- 11 NEWEL POST
- 12 WINDOW, HEADER
- 13 WINDOW, CASING
- 14 WINDOW, SILL
- 15 WINDOW, SASH
- 16 WINDOW, STOPS
- 17 MULLIONS
- 18 APRON
- 19 WINDOW GRATE
- 20 DOOR GRATE
- 21 BASEBOARD
- 22 WALLS
- 23 WALLS, LOWER
- 24 WALLS, UPPER
- 25 CHAIR RAIL
- 26 DOOR, EXTERIOR
- 27 EXTERIOR, DOOR CASING
- 28 EXTERIOR, WINDOW CASING
- 29 EXTERIOR, WINDOW MULLIONS
- 30 EXTERIOR, WINDOW SILL
- 31 THRESHOLD
- 32 DRYER BOARD
- 33 LOWER TRIM
- 34 UPPER TRIM
- 35 CORNERBOARD
- 36 SIDING
- 37 CELLAR WINDOW UNIT
- 38 FLOOR
- 39 RAILING CAPS
- 40 SUPPORT COLUMN
- 41 JOIST
- 42 CEILING
- 43 RADIATOR
- 44 ACCESS HATCH COVER
- 45
- 46
- 47
- 48
- 49
- 50

**Material Description/Color**
- Tan Paint on Plaster Wall
- Green Paint on Metal DF Staff Room East
- Off WhitePaint on Plasterwall Boys PP, Bldg C
- Tan Paint on Shield Ext, Admin Bldg

**Estimated Quantity**
- 1 SF: 2
- 10 SF: 4
- 1 SF: 1
- 10 SF: 1

**Contact Codes**
- 1
- 2
- 3

For Lab Use Only

Analyst's Signature/Date

Lab Director's Signature/Date
Hi Sarah,

Method SW846-700B (FAA).

Thank you,

Elaine Horng | PROJECT MANAGER | ATC Group Services LLC
+1 323 517 9659 | +1 626 423 3754 mobile

25 Cupania Circle | Monterey Park, CA 91755
elaine.horng@atcgs.com | www.atcgroupservices.com

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From: Rich, Sarah <srich@lateesting.com>
Sent: Wednesday, September 25, 2019 1:13 PM
To: Elaine Horng <Elaine.Horng@atcgs.com>
Cc: LA Testing Lab - Huntington Beach <huntingtonbeachlab@lateesting.com>
Subject: [EXTERNAL] Project 1011601607 / P2- Rio Vista
Importance: High

[External Email] This email originated from outside of the ATC mail system. Please use caution when opening attachments.

Good afternoon,

We received your project mentioned above from our S. Pasadena lab earlier this afternoon, and would like to confirm the analysis with you. It does not seem that the analysis was marked on the COC.
Please confirm the analysis at your earliest convenience. The TAT will not begin until we receive confirmation. COC is attached for your reference.

Best Regards,

Sarah Rich | Administrative Assistant
LA Testing | 5431 Industrial Drive | Huntington Beach, CA 92649
Phone: 714-828-4999 | Fax: Toll Free: 800-755-1794
Lab Hours: Monday - Friday 8AM - 6PM, Saturday 9AM - 5PM, Sunday On-Call

Some of the resources LA Testing, Inc. offers to our clients:
LABConnect | Order Products | Client Corner | Training | Additional Resources | Sampling Videos

______________________________________________________________________________

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GENERAL IRRIGATION NOTES

1. Prior to the begining of the work, it is required that the Contractor hold a pre-job meeting with the project Manager to discuss the plantings and irrigation system layout. A review is provided of the irrigation plans, the irrigation system design, construction requirements, and any other issues or concerns.

2. The Contractor is responsible for ensuring that all plantings and irrigation system installations comply with the的设计 and specifications provided in the project documents. Any deviations from the design or specifications must be approved in writing by the project Manager.

3. Upon completion of the work, the Contractor shall provide a detailed report of the work completed, including all changes made from the original design and specifications. This report shall be submitted to the project Manager for review and approval.

4. The Contractor is responsible for ensuring that all plantings and irrigation system installations are completed in accordance with the project specifications and designs. Any deviations from the design or specifications must be approved in writing by the project Manager.

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IRRIGATION LEGEND

- Pop-Up
- Bubbler
- Backflow Preventer
- Irrigation Valve
- Irrigation Line
- Irrigation Fitting
- Irrigation Equipment
- Irrigation System

IRRIATION KEYNOTE LEGEND

- Water Supply
- Water Demand
- Water Pressure
- Water Flow
- Water Consumption
- Water Quality
- Water Conservation
- Water Efficiency

SPRINKLER SLEEVBING CHART

<table>
<thead>
<tr>
<th>Valve Size</th>
<th>3/4&quot;</th>
<th>1&quot;</th>
<th>1 1/2&quot;</th>
<th>2&quot;</th>
<th>3&quot;</th>
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<tbody>
<tr>
<td>0-100 wires</td>
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<td>201-300</td>
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<td>301-400</td>
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<td>401-500</td>
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<td>501-600</td>
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<td>601-700</td>
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<td>701-800</td>
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<td>801-900</td>
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<td>901-1000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

IRRIGATION COMPONENTS AND DOCUMENT ANY DEFICIENCIES OBSERVED IN WRITING AND WITH SUPPORTING PHOTOS. PACKAGE SHALL BE PROVIDED TO OWNER AND LANDSCAPE ARCHITECT.
SINGLE EMITTER SECTION

A. PVC SCH 40 ELL.
B. MULCH PER PLANTING PLAN.
C. SHrub PLANTING PIT. AMENDED BACKFILL PER AGRONOMIC SOILS REPORT.
D. 1/2" UV-RESISTANT PVC FLEXIBLE PIPE - HUNTER IH SERIES FLEX RISER. LENGTH AS NEEDED, 5' MAXIMUM LENGTH.

PROJECT NUMBER:

LEGEND

NOT TO SCALE

HEAD.
- 1/2" IN TURF AREAS

PROJECT NUMBER:

LEGEND

NOT TO SCALE

DOMESTIC WATER SHUTOFF VALVE
- SLV-PVC-M-ACL-24

PUMP START RELAY ASSEMBLY
- 24 VAC

WIRE CONNECTORS
- IF INSTALLED IN CONDUIT

- UNIT NOT TO EXCEED 100LBS. OR CONTRACTOR SHALL REQUEST REVISED ANCHORING SYSTEM.

GROUNDING ROD REQUIRED AT MIN.

NOTE:
- REMOTE RECEIVER CONNECTOR (OPTIONAL).
- REMOTE CONTROL VALVE PER IRRIGATION LEGEND
- HEAT BRAND "PB' ONTO LID, IN 2" HIGH LETTERS
- SLV-PVC-M-ACL-24

SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT
1451 N. CALIFORNIA ST. SAN BERNARDINO, CA 92411

RIO VISTA ELEMENTARY SCHOOL MODERNIZATION
SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT

8/19/2019 8:43:20 AM
2. Trench to appropriate depth for

3. Prepare base and subgrade

4. Backfill and compact to requirements.

5. Use plated screws or ring Shank

6. 3/4" ID x 13"

7. 1/2" - 3/4"

8. 1/4" - 1/2"

9. #4 BAR CONTINUOUS, WITH 20" MINIMUM OVERLAP.

10. 5 3/8" x 1 1/2" x 16'

11. 24" / 20'

12. 36"
ACCENT PAINTED WALL COLOR

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 EACH END. INSTALL AT 31" AFF TO CENTER OF RAIL.

ACCENT COLOR WALL BELOW CHAIR RAIL

PRINTED VINYL WALL GRAPHIC

CHAIR RAIL PER ABOVE NOTE

ACCENT PAINTED WALL COLOR

ELECTRICAL PAINTED TO REMAIN.

CUT WALL GRAPHIC AROUND PANEL TO ALLOW FOR DOOR OPERATION.
NOTES:

1. PRESSURE WASH EXTERIOR OF BUILDING A, FILL ALL NOTES:

1. REMOVE AND RELOCATE IRRIGATION PANEL BOX, REF L ANDSCAPE DWGS
2. REMOVE AND RELOCATE (E) ELECTRICAL BOX, SEE ELECTRICAL DWG
3. 1021 (N) OVERHEAD CANOPY, SEE DTL 7/A4.1 & STRUCT 2/S4.2 DWGS
4. 0157 REMOVE AND RELOCATE IRRIGATION PANEL BOX, REF L ANDSCAPE DWGS
5. 0155 REMOVE AND RELOCATE (E) ELECTRICAL BOX, SEE ELECTRICAL DWG

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5. 0155 REMOVE AND RELOCATE (E) ELECTRICAL BOX, SEE ELECTRICAL DWG

LEGEND

ALL INFILL AREAS. STUCCO COLOR TO
INFILL (E) OPENING TO FIT NEW
JOINTS
DEMOLISH (E) WINDOW TO REMOVE
DEMOLISH (E) STUCCO TO ALLOW FOR A
REPLACED STUCCO SIDE, TOP FOR
MATCH EASTERN
FEATHER NEW STUCCO EDGE, TYP FOR
OVER DEMO STUCCO TO ALLOW FOR A

RELOCATION
PRESSURE WASH EXTERIOR OF BUILDING A, FILL ALL
NOTES:

1. REMOVE AND RELOCATE IRRIGATION PANEL BOX, REF L ANDSCAPE DWGS
2. REMOVE AND RELOCATE (E) ELECTRICAL BOX, SEE ELECTRICAL DWG
3. 1021 (N) OVERHEAD CANOPY, SEE DTL 7/A4.1 & STRUCT 2/S4.2 DWGS
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INFILL (E) OPENING TO FIT NEW
JOINTS
DEMOLISH (E) WINDOW TO REMOVE
DEMOLISH (E) STUCCO TO ALLOW FOR A
REPLACED STUCCO SIDE, TOP FOR
MATCH EASTERN
FEATHER NEW STUCCO EDGE, TYP FOR
OVER DEMO STUCCO TO ALLOW FOR A
fire bell detail needs to be placed on 9.4
RIO VISTA ELEMENTARY SCHOOL MODERNIZATION
SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT
1451 N CALIFORNIA ST, SAN BERNARDINO, CA 92411

NEW OVERALL SITE PLAN

ADD-01

SK1

APPL. 04-118156
REF. DRAWING NO: 1/A1.1

MARK GRAHAM
C-26046
03-31-21

ARCHITECT

1" = 20'-0"
KEYNOTE | DESCRIPTION
--- | ---
0208 | (N) PAINTED ACCESS SYMBOL, SEE DTL 8/2.1
0210 | (N) POST AND LATCH, REF 9/2.1
0215 | (N) BLUE WHEEL STOP, REF 21/2.1
0216 | (N) ACCESS AISLE W/ 4" WIDE BLUE BORDER STRIPING AND INTERIOR WHITE HATCHING AT 36" O.C.
1029 | (N) VAN ACCESSIBLE PARKING SIGNAGE AND POST, REF DTL 2/10.2
1030 | (N) ACCESSIBLE PARKING SIGNAGE AND POST, REF 17/10.2
KEYNOTE | DESCRIPTION
--- | ---
0215 | (N) BLUE WHEEL STOP, REF 21/2.1
0216 | (N) ACCESS AISLE W/ 4" WIDE BLUE BORDER STRIPING AND INTERIOR WHITE HATCHING AT 36" O.C.
1029 | (N) VAN ACCESSIBLE PARKING SIGNAGE AND POST, REF DTL 2/10.2
1030 | (N) ACCESSIBLE PARKING SIGNAGE AND POST, REF 1/10.2
KEYNOTE | DESCRIPTION
-------|------------------
0204  | (N) CHAIN LINK GATE, REF GATE SCHEDULE ON SHEET 2.1
0212  | (N) 6'-0" CHAINLINK FENCE WITH PRIVACY SLATS, SEE DTL 18/10.1
**Keynote Description**

<table>
<thead>
<tr>
<th>KEYNOTE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>0703</td>
<td>(N) GUTTER, PER DTL 10/A4.1</td>
</tr>
<tr>
<td>0704</td>
<td>(N) DOWNSPOUT</td>
</tr>
<tr>
<td>1502</td>
<td>(N) CONDENSING UNIT, REF MECH DWGS</td>
</tr>
<tr>
<td>1503</td>
<td>(N) ROOF CAPS, REF MECH DWGS</td>
</tr>
</tbody>
</table>

**Notes:**
- **SLOPE DN:** Slope down.
- **PATCH BACK ROOFING:** Patch back roofing as required for complete water tight assembly.
- **EXTERIOR WALL BELOW:** Exterior wall below.

**Scale:** 1/8" = 1'-0"
NOTE: FLOOR TEST PRIOR TO BREAK METAL INSTALLATION
NOTES:

1. CONTRACTOR SHALL NEATLY REMOVE ALL DAMAGE TILES, (THESE ARE TILES WITHIN AREA OF SCOPE OF WORK, THAT ARE CHIPPED, CRACKED, HAVE HOLES, NICKS, DINGS, DENTS, BROKEN, OR SCRATCHED). PATCH ALL WALL & FLOOR TILES PRIOR TO INSTALLING FIXTURES AT NEW LOCATION, (WHERE POSSIBLE). GROUT TO MATCH EXISTING TILES. PROVIDE MATCH SUBTRACT FOR TILE INSTALLATIONS.

1. WHEN RELOCATING GRAB BARS, LAVS, URINALS, CONTRACTOR SHALL PROVIDE NEW BLOACKING AT NEW LOACTIONS PER 11/10.2, TYP.
1x4 OAK TRIM PAINTED
1/4" OVERHANG
1X3 PAINTED OAK TRIM - CHAMFER CORNER
4" WIDE SS CHAIR RAIL - SEE A6.4

EXISTING EXTERIOR

FINISH NAILS TYPICAL

CAULKING REQUIRED

SAN BERNARDINO CITY UNIFIED
SCHOOL DISTRICT
1451 N CALIFORNIA ST, SAN
BERNARDINO, CA 92411

RIO VISTA ELEMENTARY SCHOOL
MODERNIZATION

WALL SECTION

ADD-01

SK13

DRWN: Author
CHKD: Checker
DATE: 11/17/19
SCALE: 3" = 1'-0"
JOB NO: 1719800

ARCHITECT

LICENSED ARCHITECT
STATE OF CALIFORNIA

MARK GRAHAM
4-26046
03-31-21
ARCHITECT

APPL. 04-118156
REF. DRAWING NO:
STUCCO OVER LATH AND PAPER OVER (PLYWOOD REQUIRED TO MATCH SURFACE) OVER WOOD STUDS

5/8" GYP BD. SMOOTH FINISH. PRIME, PAINTED

FINISH FLOOR, REF SCHED

BASE, REF SCHED

EXTERIOR

INTERIOR

INSULATION R19

5/8" GYP BD. SMOOTH FINISH. PRIME, PAINTED

BASE, REF SCHED

FINISH FLOOR, REF SCHED

RIO VISTA ELEMENTARY SCHOOL MODERNIZATION

SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT

1451 N CALIFORNIA ST, SAN BERNARDINO, CA 92411
STEEL TROWEL FINISH CONCRETE CURB WITH 1" CHAMFERED EDGES (PROVIDE EXP. JOINT PER PLAN - TROWELED JOINTS AT 15'-0" O.C.)

FENCE, POST AND FOOTING PER 18/2.1

6" CURB

1" CHAMFER EDGE

FLUSH WHERE OCCURS, SEE CIVILS

1/2" MAX CAULK

SLAB EDGE

REF DTL 7/2.1

CAULK (SILKA FLEX OR EQ., TYP.)

BACKER ROD, TYP.

VARIED HEIGHT CURB

REFERENCE DRAWING NO: 3/2.1

ADD-01

SK15
**NOTE:**

1. EXISTING GATE AS REQUIRED TO COMPLY WITH 5LBS. MAX OPERATING PRESSURE, AND SWING SPEED OF 90 DEGREES OPENED POSITION TO 12 DEGREES OF 5 SEC. MIN.
2. NO PANIC HARDWARE OR KICKPLATE ON VEHICLE GATE
3. SEE SHEET A2.4 FOR GATE LOCATION
4. PER LEAF
5. PRIVACY SLATS TO BE PROVIDED PER SPEC
6. BUTTERFLY LATCH TO BE PROVIDE PER 23/2.1

### GATE SCHEDULE

<table>
<thead>
<tr>
<th>DOOR MARK</th>
<th>NOMINAL SIZE</th>
<th>HDWE GROUP</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>G1</td>
<td>4' - 0&quot;</td>
<td>19/2.1</td>
<td>HW-SG</td>
</tr>
<tr>
<td>G2</td>
<td>8' - 0&quot;</td>
<td>19/2.1</td>
<td>HW-SG</td>
</tr>
<tr>
<td>G3</td>
<td>4' - 0&quot;</td>
<td>19/2.1</td>
<td>HW-SG</td>
</tr>
<tr>
<td>G4</td>
<td>3' - 6&quot;</td>
<td>19/2.1</td>
<td>HW-SG</td>
</tr>
<tr>
<td>G5</td>
<td>4' - 0&quot;</td>
<td>19/2.1</td>
<td>HW-SG</td>
</tr>
<tr>
<td>G6</td>
<td>3' - 0&quot;</td>
<td>19/2.1</td>
<td>HW-SG</td>
</tr>
<tr>
<td>G7</td>
<td>4' - 0&quot;</td>
<td>19/2.1</td>
<td>HW-SG</td>
</tr>
<tr>
<td>G8</td>
<td>3' - 0&quot;</td>
<td>19/2.1</td>
<td>3, 4, 5, 6</td>
</tr>
</tbody>
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**RIO VISTA ELEMENTARY SCHOOL MODERNIZATION**

**SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT**

1451 N CALIFORNIA ST, SAN BERNARDINO, CA 92411

**GATE SCHEDULE**

<table>
<thead>
<tr>
<th>DRWN:</th>
<th>Author</th>
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<tbody>
<tr>
<td>CHKD:</td>
<td>Checker</td>
</tr>
<tr>
<td>DATE:</td>
<td>11/15/19</td>
</tr>
<tr>
<td>SCALE:</td>
<td>3&quot; = 1'-0&quot;</td>
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<tr>
<td>JOB NO:</td>
<td>1719800</td>
</tr>
</tbody>
</table>

**ADD-01**

**SK17**
WALL PER WALL TYPE SCHEDULE

#12 1.5" L. WOOD SCREW @ 12" O.C.

SHIIM AS REQ'D

BACKER ROD & SEALANT, TYP.

SCHEDULED WINDOW

NOTES:
COPY NOTES FROM APPROVE
# Schedule Door

<table>
<thead>
<tr>
<th>Nominal Size</th>
<th>Door</th>
<th>Frame</th>
<th>Details</th>
<th>Hardware Group</th>
<th>Fire Rating</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>Width/Per Leaf</td>
<td>Height</td>
<td>Thickness</td>
<td>Material Type</td>
<td>Finish Material Type</td>
<td>Finish Jamb</td>
<td>Head Sill</td>
</tr>
<tr>
<td>3'-0&quot;</td>
<td>7'-0&quot;</td>
<td>1 3/4&quot;</td>
<td>AL</td>
<td>A</td>
<td>PC</td>
<td>AL</td>
</tr>
<tr>
<td>3'-0&quot;</td>
<td>7'-0&quot;</td>
<td>1 3/4&quot;</td>
<td>HM</td>
<td>C</td>
<td>P</td>
<td>HM</td>
</tr>
<tr>
<td>3'-0&quot;</td>
<td>2&quot;</td>
<td>SC</td>
<td>E</td>
<td>PL</td>
<td>HM</td>
<td>2</td>
</tr>
<tr>
<td>3'-0&quot;</td>
<td>7'-0&quot;</td>
<td>1 3/4&quot;</td>
<td>SC</td>
<td>D</td>
<td>PL</td>
<td>HM</td>
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<tr>
<td>3'-0&quot;</td>
<td>7'-0&quot;</td>
<td>1 3/4&quot;</td>
<td>HM</td>
<td>C</td>
<td>P</td>
<td>HM</td>
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<tr>
<td>3'-0&quot;</td>
<td>7'-0&quot;</td>
<td>2&quot;</td>
<td>SC</td>
<td>D</td>
<td>PL</td>
<td>HM</td>
</tr>
<tr>
<td>3'-0&quot;</td>
<td>7'-0&quot;</td>
<td>1 3/4&quot;</td>
<td>SC</td>
<td>B</td>
<td>PL</td>
<td>HM</td>
</tr>
<tr>
<td>3'-0&quot;</td>
<td>7'-0&quot;</td>
<td>1 3/4&quot;</td>
<td>SC</td>
<td>D</td>
<td>PL</td>
<td>HM</td>
</tr>
<tr>
<td>3'-0&quot;</td>
<td>7'-0&quot;</td>
<td>1 3/4&quot;</td>
<td>SC</td>
<td>D</td>
<td>PL</td>
<td>HM</td>
</tr>
<tr>
<td>3'-0&quot;</td>
<td>7'-0&quot;</td>
<td>1 3/4&quot;</td>
<td>SC</td>
<td>D</td>
<td>PL</td>
<td>HM</td>
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<tr>
<td>3'-0&quot;</td>
<td>7'-0&quot;</td>
<td>1 3/4&quot;</td>
<td>SC</td>
<td>C</td>
<td>PL</td>
<td>HM</td>
</tr>
</tbody>
</table>

**Remarks:**
1. (N) Panic Hardware, Ref Specs
2. Ref SK25 for Colored Glass Location, Ref Specs

**Materials:**
- **AL** = Aluminum
- **ANO** = Anodized
- **FF** = Factory Prefinished
- **HM** = Hollow Metal (Steel)
- **LG** = Laminated Glass
- **PL** = Plastic Laminate
- **PC** = Powder Coating
- **STL** = Galvanized Steel
- **WD** = Wood
- **ST** = Stain
- **SS** = Stainless Steel
- **SC** = Solid Core Wood
- **SG** = Sealed Insulated Glass

**Scale:** 1/4" = 1'-0"
# WINDOW SCHEDULE

<table>
<thead>
<tr>
<th>SYMBOL MARK</th>
<th>WIDTH</th>
<th>HEIGHT</th>
<th>MATERIAL</th>
<th>GLASS</th>
<th>DETAILS</th>
<th>FIRE RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>7' - 0&quot;</td>
<td>3' - 0&quot;</td>
<td>AL</td>
<td>INSUL</td>
<td>5/-</td>
<td>5/-</td>
</tr>
<tr>
<td>A2</td>
<td>3' - 8&quot;</td>
<td>2' - 0&quot;</td>
<td>AL</td>
<td>INSUL</td>
<td>5/-</td>
<td>5/-</td>
</tr>
<tr>
<td>A3</td>
<td>3' - 8&quot;</td>
<td>4' - 0&quot;</td>
<td>AL</td>
<td>INSUL</td>
<td>5/-</td>
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<td>A4</td>
<td>8' - 0&quot;</td>
<td>6' - 0&quot;</td>
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## ABBREVIATIONS
- ACT = ACOUSTIC CEILING TILE
- C = SEALED CONCRETE
- CB = COVED BASE
- CPT = CARPET
- EC = EPOXY CHIP
- FRP = FIBER REINFORCED PANEL OVER MOISTURE RESISTANT GYPSUM BOARD
- GBP = GYPSUM BOARD PAINTED
- PT = PAINTED
- RB = RUBBER BASE
- SV = SHEET VINYL
- TB = TACKBOARD
- VCT = V Vinyl COMPOSITION TILE FLOORING
- MRG = MOISTURE RESISTANT GYPSUM BOARD
- (E) = EXISTING

## REMARKS:
1. REF 3 & 4/A6.4 FOR WALL TILE FINISH PATTERN, REF SPECS
2. REF 6/A6.1 FOR WALL GRAPHIC FINISH, REF SPECS
3. PT (PAINT) COLOR TO BE SELECTED BY ARCHITECT, REF ROOM FINISH SCHEDULE

## Room Finish Schedule

<table>
<thead>
<tr>
<th>NUMBER</th>
<th>NAME</th>
<th>FLOOR MTL</th>
<th>WALL MTL</th>
<th>CEILING</th>
<th>WALL MATERIAL</th>
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<td>A1</td>
<td>RECEPTION</td>
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<td>RB</td>
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<td>A5</td>
<td>NURSE RESTROOM</td>
<td>EC</td>
<td>EC</td>
<td>PT/TL</td>
<td>PT/TL</td>
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<td>A6</td>
<td>STAFF RESTROOM</td>
<td>EC</td>
<td>EC</td>
<td>PT/TL</td>
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<td>RB</td>
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<td>A8</td>
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<td>LVT</td>
<td>RB</td>
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*APPL. 04-118156*
*REF. DRAWING NO: 9/9.1*
NOTES:
COLOR TO BE SELECTED BY ARCHITECT
ORDER MAY CHANGE

ABBREVIATIONS:
C1- COLOR #1 VANCEVA
C2- COLOR #2 VANCEVA
C3- COLOR #3 VANCEVA
NOTE: CLASS B ROOFING

KEYNOTE | DESCRIPTION
--- | ---
0027 | (E) ROOF TO REMAIN, PROTECT IN PLACE
0055 | (E) MECHANICAL UNIT
0059 | ABANDON (E) VENT CAP, REF MECH DWGS
0153 | DEMO (E) ROOF AND PREPARE FOR NEW ROOF UNIT, REF TO MECH DWGS
0176 | DEMO (E) ROOF FOR NEW OPENING

APPL. 04-118156
REF. DRAWING NO: 1/A4.1

RIO VISTA ELEMENTARY SCHOOL MODERNIZATION
SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT
1451 N CALIFORNIA ST, SAN BERNARDINO, CA 92411

DEMO ENLARGED ROOF PLAN - BLDG A

DRAWN: Author
CHKD: Checker
DATE: 11/17/19
SCALE: 1/8" = 1'-0"
JOB NO: 1719600
THE ABOVE HATCH INDICATES THE EXTENT OF ADD ALTERNATE NUMBER 2. FOR SCOPE OF WORK.

ADD ALTERNATE - LANDSCAPE

ADD-01

SK27
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<th>Type</th>
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<td>3800</td>
<td>4000K</td>
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<tr>
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<td>D</td>
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<tr>
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</tr>
<tr>
<td>002</td>
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