



ALUM ROCK UNION ELEMENTARY SCHOOL DISTRICT

2930 Gay Avenue, San José, CA 95127 · Phone: 408-928-6800 · Fax: 408-928-6416 · www.arusd.org

ADDENDUM 2 FOR RFQ/RFP NO. B2223-BONDS38

MILLARD MCCOLLAM ES HVAC REPLACEMENT

1. Studio W Architects Addendum NO. 1 dated 06/07/2023 is incorporated into the BID DOCUMENTS
2. 2020 Alum Rock Roof Assessment dated January 14, 2022 is provided for informational purposes.

Please submit a signed copy of this addendum with your RFQ/P response.

Company Name: _____

Signature: _____

Hilaria Bauer, Ph.D., Superintendent

Board of Trustees: Minh Pham, President · Corina Herrera-Loera, Vice-President ·
Andrés Quintero, Clerk · Andrea Flores Shelton, Member · Linda Chavez, Member

ADDENDUM NO. 1

06/07/2023

**RE: ALUM ROCK UNION SCHOOL DISTRICT
McCollam ES
DSA File Number: 43-4
DSA Application Number: 01-120631
Studio W Project Number: 22026**

From: Studio W Associates, Inc.; dba. Studio W Architects
111 N. Market Street
San Jose, CA 95113

To: Prospective Bidders

This Addendum forms a part of the Contract Documents and modifies the original bidding documents dated 04/23/2023 as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

The following changes or clarifications shall be made part of the Bid Documents and shall be taken into consideration when submitting bids.

CHANGES TO SPECIFICATIONS

1. **Table of Contents**
 - a. Added specification section 311216
 - b. Added specification section 323113
2. **32 12 16 ASPHALT PAVING, STRIPING**
 - a. Added section.
3. **32 31 13 CHAIN-LINK FENCES AND GATES**
 - a. Added section.

CHANGES TO DRAWINGS

1. **A0.1 – COVER SHEET**
 - a. Added new sheet A10.7.1 to the index.
2. **A1.1 – SITE PLAN OVERALL**
 - a. Revised keynote description for 32 101.

- b. Added keynote 32 102 to distinguish between new AC paving and new concrete sidewalks.
- 3. **A10.7.1 – ROOF DETAILS**
 - a. Added sheet.

RESPONSES TO BID RFI'S

- 4. **BID RFI 01:** A3.2, A3.3, A3.4, A3.5, A3.6 KN 23 302 “NEW EXHAUST FANS, ROOF MOUNT. CONTRACTOR TO PATCH, REPAIR CEILING AND ROOF PENETRATIONS TO MATCH ADJACENT. SEE MECH DWGS., SEE DETAIL 7/A10.7.1” & A3.3, A3.4, A3.5, A3.6 KN 23 316 “NEW ROOF MOUNTED RELIEF HOOD PER MECH. DWGS. CONTRACTOR TO PATCH/REPAIR CEILING AND ROOF PENETRATIONS TO MATCH ADJACENT, SEE DETAIL 7/ A10.7.1” . Sheet A10.7.1 is not in the set.
 - a. **RESPONSE:** See new sheet A10.7.1 for detail 7/A10.7.1.

Attachments

Specifications: (Marked Delta 1 or noted as Addendum 01)

TOC	TABLE OF CONTENTS
32 12 16	ASPHALT PAVING, STRIPING
32 31 13	CHAIN-LINK FENCES AND GATES

Drawings: (All drawings are Delta 1 and dated 06/07/2023)

ARCHITECTURAL

A0.1	COVER SHEET
A1.1	SITE PLAN OVERALL
A10.7.1	ROOF DETAILS

END OF ADDENDUM



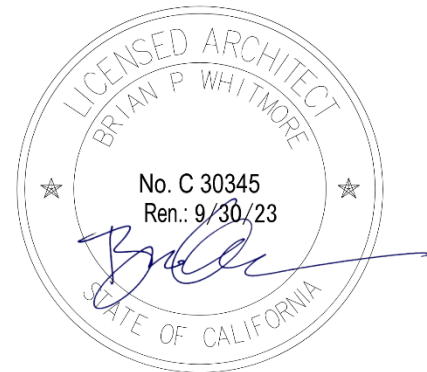
Distribution:

- (1) Alum Rock Union School District
- (1) All Bidders
- (1) Architect's Consultants
- (1) Studio W Project File 22026 6.0 Bid

Note: It is incumbent upon the Prime Bidder to notify his subcontractor and/or materials supplier of the above changes in the Contract Documents.

For: Alum Rock Union School District
2930 Gay Ave.
San Jose, CA 95127

Studio W Architects
1930 H Street
Sacramento, CA 95811
(916) 254-5600



Brian P. Whitmore, President

C30345



Alum Rock Union Elementary School District
McCollam ES - HVAC Replacement
Construction Documents

Project #22026

232300 Refrigerant Piping	LP
233100 HVAC Ducts and Casings	LP
233300 Air Duct Accessories	LP
233423 HVAC Power Ventilators	LP
233700 Air Outlets and Inlets	LP
237413 Packaged Outdoor Central-Station Air-Handling Units	LP
238129 Variable Refrigerant Flow HVAC Systems	LP

DIVISION 26 - ELECTRICAL

260500 Common Work Results for Electrical	LP
260505 Selective Demolition for Electrical	LP
260519 Low-Voltage Electrical Power Conductors and Cables	LP
260526 Grounding and Bonding for Electrical Systems	LP
260529 Hangers and Supports for Electrical Systems	LP
260533.13 Conduit for Electrical Systems	LP
260533.16 Boxes for Electrical Systems	LP
260548 Vibration and Seismic Controls for Electrical Systems	LP
260553 Identification for Electrical Systems	LP
260800 Electrical Commissioning Requirements	LP
260923 Lighting Control Devices	LP
262416 Panelboards	LP
262726 Wiring Devices	LP
262813 Fuses	LP
262816 Disconnects	LP
265100 Interior Lighting	LP
265200 Lighting Control System	LP
265600 Exterior Lighting	LP

DIVISION 27 - COMMUNICATIONS

270000 Communications Administration	LP
270500 Common Work Results Communications	LP
271300 Communications Backbone Cabling	LP
271500 Communications Horizontal Cabling	LP

DIVISION 28 - ELECTRONIC SAFETY AND SECURITY

284600 Fire Detection and Alarm	LP
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1	DIVISION 32 - EXTERIOR IMPROVEMENTS	
	321216 Asphalt Paving, Striping	Studio W
	321313 Concrete Paving, Truncated Domes	Studio W
1	323113 Chain-link Fences and Gates	Studio W

END OF TABLE OF CONTENTS

SECTION 321216 - ASPHALT PAVING, STRIPING

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes the following:
 - 1. Provisions for hot-mixed asphalt paving over prepared subbase.
 - 2. Saw-cutting of edges of existing pavement is specified in site-clearing section.
 - 3. Pavement marking paint.
- B. References:
 - 1. Standard Specifications for the Department of Transportation, State of California (Caltrans), May 2006 Sections 39, 92, 84, and 94.
 - 2. California Administrative Code, Title 24, Part 2, Handicap Accessibility Regulations.
 - 3. ADA Accessibility Guidelines for Buildings and Facilities (ADAAG)

1.2 SUBMITTALS

- A. Material Certificates signed by material producer and Contractor, certifying that each material item complies with or exceeds specified requirements.

1.3 SITE CONDITIONS

- A. Weather Limitations: Apply prime and tack coats when ambient temperature is above 50 deg F (10 deg C) and when temperature has not been below 35 deg F (1 deg C) for 12 hours immediately prior to application. Do not apply when base is wet or contains an excess of moisture.
- B. Construct hot-mixed asphalt surface course when atmospheric temperature is above 40 deg F (4 deg C) and when base is dry. Base course may be placed when air temperature is above 40 deg F (minus 1 deg C) and rising.
- C. Grade Control: Establish and maintain required lines and elevations.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. General: Use locally available materials and gradations that exhibit a satisfactory record of previous installations.
- B. Asphalt: In accordance with State of California Department of Transportation Standard Specifications Sections 39 and 92. Asphalt concrete shall be PG 64-10.
- C. Aggregate: In accordance with State of California Department of Transportation Standard Specifications Sections 39 and 92. Aggregate shall be Type B, ½ inch maximum, medium grading.

- D. Tack Coat: In accordance with State of California Department of Transportation Standard Specifications Sections 94. Tack coat shall be Grade SS-1.
- E. Seal Coat: In accordance with State of California Department of Transportation Standard Specifications Sections 39 and 92.
- F. Paint Schedule: Alkyd-resin type, ready-mixed complying with AASHTO M 248, Type I. Apply 2-coat pavement and curb markings as scheduled below and indicated on the drawings.
 - 1. Contractor shall verify striping layout and curb colors comply with owner and local fire authority requirements prior to application.
 - a. Parking Stripes - Color: White.
 - b. ADA Markings & Stripes - Color: Blue with first coat white.
 - c. Fire Lane Curb Painting - Color: Red with first coat white.
- G. Visqueen; minimum 20 mil thickness.

PART 3 - EXECUTION

3.1 SURFACE PREPARATION

- A. Proof-roll prepared base surface to check for unstable areas and areas requiring additional compaction.
- B. Notify Architect of unsatisfactory conditions. Do not begin paving work until deficient base areas have been corrected and are ready to receive paving.
- C. Tack Coat: Apply to contact surfaces of previously constructed asphalt or Portland cement concrete. Distribute at rate of 0.05 to 0.15 gal. per sq. yd. of surface. Allow to dry until at proper condition to receive paving. Exercise care in applying bituminous materials to avoid smearing of adjoining concrete surfaces. Remove and clean damaged surfaces.

3.2 PLACING MIX

- A. General: Place hot-mixed asphalt mixture on prepared surface, spread, and strike off. Spread mixture at minimum temperature of 225 deg F (107 deg C). Place areas inaccessible to equipment by hand. Place each course to required grade, cross-section, and compacted thickness.
- B. Paver Placing: Place in strips not less than 10 feet wide, unless otherwise acceptable to Owner's Representative. After first strip has been placed and rolled, place succeeding strips and extend rolling to overlap previous strips. Complete base course for a section before placing surface course.
- C. Immediately correct surface irregularities in finish course behind paver. Remove excess material forming high spots with shovel or lute.
- D. Joints: Make joints between old and new pavements, or between successive days' work, to ensure continuous bond between adjoining work. Construct joints to have same

texture, density, and smoothness as other sections of hot-mixed asphalt course. Clean contact surfaces and apply tack coat.

3.3 ROLLING

- A. General: Begin rolling when mixture will bear roller weight without excessive displacement.
- B. Compact mixture with hot hand tampers or vibrating plate compactors in areas inaccessible to rollers.
- C. Breakdown Rolling: Accomplish breakdown or initial rolling immediately following rolling of joints and outside edge. Check surface after breakdown rolling and repair displaced areas by loosening and filling, if required, with hot material.
- D. Second Rolling: Follow breakdown rolling as soon as possible, while mixture is hot. Continue second rolling until mixture has been evenly compacted.
- E. Finish Rolling: Perform finish rolling while mixture is still warm enough for removal of roller marks. Continue rolling until roller marks are eliminated and course has attained 95 percent laboratory density.
- F. Patching: Remove and replace paving areas mixed with foreign materials and defective areas. Cut out such areas and fill with fresh, hot hot-mixed asphalt. Compact by rolling to specified surface density and smoothness.
- G. Protection: After final rolling, do not permit vehicular traffic on pavement until it has cooled and hardened.
- H. Erect barricades to protect paving from traffic until mixture has cooled enough not to become marked.

3.4 PAVEMENT SEALER (Seal Coat)

- A. Seal coat emulsion shall not be applied to newly constructed asphalt concrete surfaces until 30 days after spreading and compacting of the new asphalt concrete.
- B. Surface Preparation: surface shall be clean of all dirt, sand, oil or grease. Broom, blow or hose down entire area with a strong jet of water to remove all debris.
- C. Remove soft, loose, or otherwise damaged areas of asphalt concrete to full depth of damage and replace with compacted asphalt concrete as specified herein.
- D. Minor holes and imperfections may be patched using hot mix asphalt or mastic using sand/SS-1-H.
- E. Use wire brush for removal of oil and grease; prime with shellac or synthetic resin as recommended by manufacturer of pavement sealer material.

- F. Surfaces that have weathered excessively or are dusted shall be primed with a solution of 1 to 4 parts cool, clean water and 1 part of SS-1-H. Apply at the rate of 1 gallon per sq. ft. and allow to dry. If in doubt a test patch shall be tried.
- G. Seal Coat Application: Thoroughly mix materials and apply in accordance with manufacturer's written instructions. A minimum of 2 applications will be required; utilizing 30 gallons of material per 1000 sq. feet.
- H. Clean-Up and Precautions: As recommended by pavement sealer material manufacturer

3.5 TRAFFIC AND LANE MARKINGS

- A. Do not apply pavement-marking paint until layout, colors, and placement have been verified with Architect.
- B. Applicator shall examine surfaces to receive striping and markings and verify that substrate is ready for striping. In the event of discrepancies, immediately notify the owner's representative. Do not proceed until all discrepancies have been resolved.
- C. Allow paving to cure for 30 days before starting pavement marking.
- D. Sweep and clean surface to eliminate loose material and dust.

3.6 APPLICATION OF PAVEMENT MARKINGS

- A. Use proper masking, stencils, and application equipment recommended for the purpose by the paint manufacturer to produce pavement markings of dimensions indicated with uniform, straight edges. Apply at manufacturer's recommended rates to provide a minimum wet film thickness of 15 mils (0.4 mm).
- B. Use proper masking, stencils, and application. Apply 2 coats of striping paint as shown on the drawings. The first coat shall be a contrasting color to the final coat.

3.7 PROTECTION & INSPECTION OF PAVEMENT MARKINGS

- A. Protection: Provide traffic cones, barricades, and other devices needed to protect paint until it is sufficiently dry to withstand traffic.
- B. When paint is thoroughly dry, visually inspect the entire application. Touchup as required to provide clean straight lines and surfaces throughout.

3.8 FIELD QUALITY CONTROL

- A. General: Testing in-place hot-mixed asphalt courses for compliance with requirements for thickness and surface smoothness will be done by Owner's testing laboratory. Repair or remove and replace unacceptable paving as directed by Owner's Representative.
- B. Thickness: In-place compacted thickness tested in accordance with ASTM D 3549 will not be acceptable if exceeding following allowable variations:

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1. Base Course: Plus or minus 1/2 inch.
 2. Surface Course: Plus or minus 1/4 inch.
- C. Surface Smoothness: Test finished surface of each hot-mixed asphalt course for smoothness, using 10-foot straightedge applied parallel with and at right angles to centerline of paved area. Surfaces will not be acceptable if exceeding the following tolerances for smoothness:
1. Base Course Surface: 1/4 inch.
 2. Wearing Course Surface: 3/16 inch.
 3. Crowned Surfaces: Test with crowned template centered and at right angle to crown. Maximum allowable variance from template is 1/4 inch.
- D. Check surface areas at intervals as directed by Owner's Representative.

END OF SECTION 321216

SECTION 323113 - CHAIN-LINK FENCES AND GATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:
 - 1. Chain-Link Fences: Industrial.
 - 2. Gates: Swing.
 - 3. Hardware: Panic – Push bars and levers.

1.3 PERFORMANCE REQUIREMENTS

- A. Structural Performance: Provide chain-link fences and gates capable of withstanding the effects of gravity loads and the following loads and stresses within limits and under conditions indicated:
 - 1. Determine minimum post size, group, and section according to ASTM F 1043 for framework up to 12 feet high, and post spacing not to exceed 10 feet.
- A. Accessibility Requirements for Door Hardware: (all requirements below shall apply to gates as well)
 - 1. Doors/doorways as part of an accessible route shall comply with CBC Sections 11B-404.
 - 2. The clear opening width for a door shall be 32" minimum. For a swinging door it shall be measured between the face of the door and the stop, with the door open 90 degrees. There shall be no projections into it below 34" and 4" maximum projections into it between 34" and 80" above the finish floor or ground. Door closers and stops shall be permitted to be 78" minimum above the finish floor or ground. CBC Section 11B-404.2.3
 - 3. Handles, pulls, latches, locks, and other operable parts on accessible doors shall comply with CBC Section 11B-309.4 and shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. Operable parts of such hardware shall be 34" minimum and 44" maximum above finish floor or ground. Where sliding doors are in the fully open position, operating hardware shall be exposed and usable from both side. CBC Section 11B-404.2.7
 - 4. The force for pushing or pulling open a door shall be as follows: CBC Section 11B-404.2.9.
 - a. Interior hinged doors, sliding or folding doors, and exterior hinged doors: 5 pounds (22.2 N) maximum.
 - b. Required fire doors: the minimum opening force allowable by the DSA authority, not to exceed 15 pounds (67N).
 - c. These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door in a closed position.

- d. The force required to activate any operable parts, such as retracting latch bolts or disengaging other devices, shall be 5 pounds (22.2N) maximum to comply with CBC Section 11B-309.4.
 5. Door closing speed shall be as follows: CBC Section 11B-404.2.8.
 - a. Closer shall be adjusted so that the required time to move a door from an open position of 90 degrees to a position of 12 degrees from the latch is 5 seconds min.
 - b. Spring hinges shall be adjusted so that the required time to move a door from an open position of 70 degrees to the closed position is 1.5 seconds minimum.
 6. Thresholds shall comply with CBC Section 11B-404.2.5.
 7. Floor stops shall not be located in the path of travel and 4" maximum from walls.
 8. Hardware (including panic hardware) shall not be provided with "Night Latch" (NL) function for any accessible doors or gates unless the following conditions are met per DSA Interpretation 10-08 DSA /AC (External), revised 4/28/09. Such conditions must be clearly demonstrated and indicated in the specifications:
 - a. Such hardware has a 'dogging' feature.
 - b. It is dogged during the time the facility is open.
 - c. Such 'dogging' operation is performed only by employees as their job function (non-public use).
 9. Pair of doors: limit swing of one leaf to 90 degrees so that a clear floor space is provided beyond the arc of the swing for the wall-mounted tactile sign. CBC Section 11B-703.4.2.1.
- B. Fences, gates and hardware:
1. Gates that are part of the accessible route shall meet all the requirements of an accessible door in compliance with CBC Section 11B-404.
 2. The lever of lever actuated latches or locks for an accessible gate shall be curved with a return to within 1/2" of the (face of) gate to prevent catching on the clothing or persons. California Referenced Standards code. T-24 Part 12, Section 12-10-202, Item (F).
 3. Swing doors and gate surfaces within 10" of the finish floor or ground shall have a smooth surface on the push side extending the full width of the door or gate. Parts creating horizontal or vertical joints in these surfaces shall be within 1/16" of the same plane as the other and be free of sharp or abrasive edges. Cavities created by added kick plates shall be capped. CBC Section 11B-404.2.10.

1.4 SUBMITTALS

- A. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for chain-link fences and gates.
1. Fence and gate posts, rails, and fittings.
 2. Chain-link fabric, reinforcements, and attachments.
 3. Gates and hardware.
- B. Shop Drawings: Show locations of fences, gates, posts, rails, tension wires, details of extended posts, extension arms, swing gate, or other operation, hardware, and accessories. Indicate materials, dimensions, sizes, weights, and finishes of components. Include plans, gate elevations, sections, details of post anchorage, attachment, bracing, and other required installation and operational clearances.
- C. Product Certificates: For each type of chain-link fence, and gate, signed by product manufacturer.
1. Strength test results for framing according to ASTM F 1043.

- D. Qualification Data: For Installer.
- E. Maintenance Data: For the following to include in maintenance manuals:

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: An experienced installer who has completed chain-link fences and gates similar in material, design, and extent to those indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.
- B. Preinstallation Conference: Conduct conference at Project site.

1.6 PROJECT CONDITIONS

- A. Field Measurements: Verify layout information for chain-link fences and gates shown on Drawings in relation to property survey and existing structures. Verify dimensions by field measurements.
- B. Interruption of Existing Utility Service: Do not interrupt utility services to facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary utility services according to requirements indicated:
 - 1. Notify Architect no fewer than 2 days in advance of proposed interruption of utility services.
 - 2. Do not proceed with interruption of utility services without Architect's written permission.

1.7 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of chain-link fences and gates that fails in materials or workmanship within specified warranty period.
 - 1. Warranty Period: 2 years.
- B. Installer's Warranty: 1 year.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Chain-Link Fences and Gates: Subject to compliance with requirements, provide products by one of the following.
 - 1. Master-Halco.
 - 2. Ameristar.
 - 3. Anchor Fence.
 - 4. Merchants Metals.
 - 5. Swan Fence Inc.
 - 6. Or equal.

- B. Panic Hardware: Subject to compliance with requirements, provide products by one of the following.
 - 1. Von Duprin. (Basis of design)
 - 2. Or approved equal.

2.2 CHAIN-LINK FENCE FABRIC

- A. General: Provide fabric in one-piece heights measured between top and bottom of outer edge of selvage knuckle or twist. Comply with ASTM A 392, CLFMI CLF 2445, and requirements indicated below:
 - 1. Steel Wire Fabric: Metallic-coated wire with 9 gage (0.144 inches) core thickness.
 - a. Mesh Size: 2 inches.
 - b. Weight of Metallic (Zinc) Coating: ASTM A 392, Type II, Class 2, 2.0 oz./sq. ft. with zinc coating applied after weaving.
 - 2. Selvage: Knuckled at both selvages.

2.3 INDUSTRIAL FENCE FRAMING

- A. Posts and Rails: Comply with ASTM F 1043 for framing, and the following:
 - 1. Group: Group IC round high yield pipe, ASTM F 1043, domestic (not imported) Deluxe Quality (DQ-40) Industrial (not Schedule 40).
 - 2. Fence Height: As indicated on Drawings.
 - 3. Strength Requirement: Heavy industrial according to ASTM F 1043.
 - 4. Post Diameter and Thickness:
 - a. Top and Bottom Rail: 1-5/8 inch O.D. (nominal 1-1/4 inch).
 - b. Terminal Post (Corner, End, and Gate Post): 2-7/8 inch O.D. (nominal 2-1/2 inch).
 - c. Line and Brace Rail: 1-7/8 inch O.D. (nominal 1-1/2 inch).
 - d. Swing Gate Members: 1-7/8 inch O.D. (nominal 1-1/2 inch).
 - 5. End and Corner Post Top: Dome.
 - 6. Coating for Steel Framing:
 - a. Metallic Coating:
 - 1) Type A, consisting of not less than minimum 2.0-oz./sq. ft. average zinc coating per ASTM A 123 or 4.0-oz./sq. ft. zinc coating per ASTM A 653.
 - 2) Type B, zinc with organic overcoat, consisting of a minimum of 0.9 oz./sq. ft. of zinc after welding, a chromate conversion coating, and a clear, verifiable polymer film.
 - 3) External, Type B, zinc with organic overcoat, consisting of a minimum of 0.9 oz./sq. ft. of zinc after welding, a chromate conversion coating, and a clear, verifiable polymer film. Internal, Type D, consisting of 81 percent, not less than 0.3-mil- thick, zinc pigmented coating.
 - 4) Type C, Zn-5-Al-MM alloy, consisting of not less than 1.8-oz./sq. ft. coating.
 - 5) Coatings: Any coating above.
 - b. Polymer Coating:
 - 1) ASTM D 668, Class 2b, fluidized PVC bonded and cured onto metallic-coated steel wire.
 - 2) Color: As selected by Architect from manufacturer's full range, complying with ASTM F 934.

2.4 PANIC HARDWARE

- A. Push-side Hardware: Where noted, provide panic bar exiting device on push-side of gates per the following:
 - 1. Hardware: Von Duprin 99L Touch Bar (basis of design) or approved equal.
 - a. Gate hardware must comply with CBC section 11B-404.
 - 2. Location: Centered at 36"-42" above grade, along the full width of the gate.
- B. Pull-side Hardware: Where noted, provide accessible lever device on pull-side of gates per the following:
 - 1. Hardware: Von Duprin Series 996L Lever (basis of design) or approved equal.
 - a. Gate hardware must comply with CBC section 11B-404.
 - b. The gap between the handle return of the lever and any adjacent surfaces must be less than 1/2" maximum.
 - 2. Location: Centered at 36"-42" above grade.

2.5 TENSION WIRE

- A. General: Provide horizontal tension wire at the following locations:
 - 1. Location: Extended along bottom of fence fabric and along top when either top or bottom rails are not indicated on Drawings.
- B. Metallic-Coated Steel Wire: Minimum 0.177-inch- diameter, marcelled tension wire complying with ASTM A 817, ASTM A 824, and the following:
 - 1. Metallic Coating: Matching chain-link fabric coating type and weight.

2.5 FITTINGS

- A. General: Comply with ASTM F 626.

2.6 INDUSTRIAL SWING GATES

- A. General: Comply with ASTM F 900 for swing gate types.
 - 1. Metal Pipe and Tubing: Galvanized steel. Comply with ASTM F 1043 and ASTM F 1083 for materials and protective coatings.
- B. Frames and Bracing: Fabricate members from round, galvanized steel tubing with outside dimension and weight according to ASTM F 900, domestic Deluxe Quality (DQ), and the following:
 - 1. Gate Fabric Height: 2 inches less than adjacent fence height.
 - 2. Leaf Width: As indicated.
 - 3. Frame members, including interior bracing:
 - a. Tubular Steel: 1-7/8 inch O.D. (nominal 1-1/2 inch).
- C. Frame Corner Construction:
 - 1. Welded adjustable truss rods for panels 5 feet wide or wider.

- D. Hardware: 180 degree hinges, 2 for gates up to 60 inches high, 3 for taller gates; drop bolt on inactive leaf engaging socket stop set in concrete, active leaf latched to inactive leaf preventing raising of drop bolt, padlock hasp; keepers to hold gate in fully open position.
 - 1.

2.7 CAST-IN-PLACE CONCRETE

- A. Materials: Portland cement complying with ASTM C 150, Type I aggregates complying with ASTM C 33, and potable water for ready-mixed concrete complying with ASTM C 94.
 - 1. Concrete Mixes: Normal-weight concrete with not less than 3000-psi compressive strength (28 days), 3-inch slump, and 1-inch maximum size aggregate.

2.8 GROUT AND ANCHORING CEMENT

- A. Nonshrink, Nonmetallic Grout: Premixed, factory-packaged, nonstaining, noncorrosive, nongaseous grout complying with ASTM C 1107. Provide grout, recommended in writing by manufacturer, for exterior applications.
- B. Erosion-Resistant Anchoring Cement: Factory-packaged, nonshrink, nonstaining, hydraulic-controlled expansion cement formulation for mixing with potable water at Project site to create pourable anchoring, patching, and grouting compound. Provide formulation that is resistant to erosion from water exposure without needing protection by a sealer or waterproof coating and that is recommended in writing by manufacturer, for exterior applications.

2.9 POLYMER FINISHES

- A. Supplemental Color Coating: In addition to specified metallic coatings for steel, provide fence components with polymer coating.
- B. Metallic-Coated Steel Tension Wire: PVC-coated wire complying with ASTM F 1664, Class 2b.
- C. Metallic-Coated Steel Framing and Fittings: Comply with ASTM F 626 and ASTM F 1043 for polymer coating applied to exterior surfaces and, except inside cap shapes, to exposed interior surfaces.
 - 1. Polymer Coating: Not less than 10-mil- thick PVC or 3-mil- thick polyester finish.
- D. Color: Match chain-link fabric, complying with ASTM F 934.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas and conditions, with Installer present, for compliance with requirements for a verified survey of property lines and legal boundaries, site clearing, earthwork, pavement work, and other conditions affecting performance.
 - 1. Do not begin installation before final grading is completed, unless otherwise permitted by Architect.

2. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Stake locations of fence lines, gates, and terminal posts. Do not exceed intervals of 500 feet or line of sight between stakes. Indicate locations of utilities, lawn sprinkler system, underground structures, benchmarks, and property monuments.

3.3 INSTALLATION, GENERAL

- A. Install chain-link fencing to comply with ASTM F 567 and more stringent requirements specified.

3.4 CHAIN-LINK FENCE INSTALLATION

- A. Post Excavation: Drill or hand-excavate holes for posts to diameters and spacings indicated, in firm, undisturbed soil.
- B. Post Setting: Set posts in concrete at indicated spacing into firm, undisturbed soil.
 1. Verify that posts are set plumb, aligned, and at correct height and spacing, and hold in position during setting with concrete or mechanical devices.
 2. Concrete Fill: Place concrete around posts and vibrate or tamp for consolidation. Protect aboveground portion of posts from concrete splatter.
 - a. Hole diameter dug or drilled minimum 4 times largest cross section of post and minimum depth of 24 inches plus additional 3 inch for each 1 feet increase in fence height over 4 feet.
 - b. Exposed Concrete: Extend 2 inches above grade; shape and smooth to shed water.
- C. Terminal Posts: Locate terminal end, corner, and gate posts per ASTM F 567 and terminal pull posts at changes in horizontal or vertical alignment of 15 degrees or more.
- D. Line Posts: Space line posts equidistant at intervals not exceeding 10 feet o.c unless otherwise indicated.
- E. Post Bracing and Intermediate Rails: Install according to ASTM F 567, maintaining plumb position and alignment of fencing. Install braces at end and gate posts and at both sides of corner and pull posts.
 1. Locate horizontal braces at midheight of fabric 6 feet or higher, on fences with top rail and at 2/3 fabric height on fences without top rail. Install so posts are plumb when diagonal rod is under proper tension.
- F. Tension Wire: Install according to ASTM F 567, maintaining plumb position and alignment of fencing. Pull wire taut, without sags. Fasten fabric to tension wire with 0.120-inch- diameter hog rings of same material and finish as fabric wire, spaced a maximum of 24 inches o.c. Install tension wire in locations indicated before stretching fabric.
 1. Top Tension Wire: Install tension wire through post cap loops.
 2. Bottom Tension Wire: Install tension wire within 6 inches of bottom of fabric and tie to each post with not less than same diameter and type of wire.
- G. Top Rail: Install according to ASTM F 567, maintaining plumb position and alignment of fencing. Run rail continuously through line post caps, bending to radius for curved runs and

terminating into rail end attached to posts or post caps fabricated to receive rail at terminal posts. Provide expansion couplings as recommended in writing by fencing manufacturer.

- H. Bottom Rails: Install, spanning between posts.
- I. Chain-Link Fabric: Apply fabric to outside of enclosing framework. Leave 2 inches between finish grade or surface, unless otherwise indicated. Pull fabric taut and tie to posts, rails, and tension wires. Anchor to framework so fabric remains under tension after pulling force is released.
- J. Tension or Stretcher Bars: Thread through fabric and secure to end, corner, pull, and gate posts with tension bands spaced not more than 15 inches o.c.
- K. Tie Wires: Use wire of proper length to firmly secure fabric to line posts and rails. Attach wire at 1 end to chain-link fabric, wrap wire around post a minimum of 180 degrees, and attach other end to chain-link fabric per ASTM F 626. Bend ends of wire to minimize hazard to individuals and clothing.
 - 1. Maximum Spacing: Tie fabric to line posts at 12 inches o.c. and to braces at 24 inches o.c.
- L. Fasteners: Install nuts for tension bands and carriage bolts on the side of the fence opposite the fabric side. Peen ends of bolts or score threads to prevent removal of nuts.

3.5 GATE INSTALLATION

- A. Install gates according to manufacturer's written instructions, level, plumb, and secure for full opening without interference. Attach fabric as for fencing. Attach hardware using tamper-resistant or concealed means. Install ground-set items in concrete for anchorage. Adjust hardware for smooth operation and lubricate where necessary.

3.6 ADJUSTING

- A. Gate: Adjust gate to operate smoothly, easily, and quietly, free of binding, warp, excessive deflection, distortion, nonalignment, misplacement, disruption, or malfunction, throughout entire operational range. Confirm that latches and locks engage accurately and securely without forcing or binding.
- B. Lubricate hardware and other moving parts.

END OF SECTION 323113

MILLARD MCCOLLAM ELEMENTARY SCHOOL

3311 LUCIAN AVE.,
SAN JOSE, CA 95127
ALUM ROCK UNION SCHOOL DISTRICT

DSA File No. 43-4
App. No. 01-120631
PTN. 69369-91



DSA REQUIREMENTS

- ALL WORK SHALL CONFORM TO THE 2019 EDITION OF THE TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
- AS A FACILITY WHICH COMES UNDER THE APPROVAL AND AUTHORITY OF THE DIVISION OF THE STATE ARCHITECT (DSA), THIS PROJECT IS SUBJECT TO DRAWING AND JOB SITE REVIEW BY A REPRESENTATIVE OF DSA.
- CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS AFFECTING FLS, SSS, AND/OR ACS SHALL BE MADE BY ADDENDA OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR AND DSA IR A-6.
- A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24 C.C.R.
- GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
- A COPY OF PART 1 TO PART 5 OF TITLE 24 SHALL BE KEPT AND BE AVAILABLE IN THE FIELD DURING CONSTRUCTION.
- DSA SHALL BE NOTIFIED OF THE START OF CONSTRUCTION AND PRIOR TO THE PLACEMENT OF CONCRETE PER SECTION 4-331, PART 1, TITLE 24, CCR.
- THE DIVISION OF THE STATE ARCHITECT IS EXEMPT FROM ARBITRATION OR MEDIATION PROCEDURES.
- SUPERVISION BY THE DIVISION OF THE STATE ARCHITECT IS REQUIRED PER SECTION 4-334, PART 1, TITLE 24, CCR.
- ADMINISTRATION OF CONSTRUCTION PER PART 1, TITLE 24, CCR.
- VERIFIED REPORTS PER SECT 4-336; PART 1, TITLE 24 CCR.
- DUTIES OF ARCHITECT PER SECT 4-331, 4-341; PART 1, TITLE 24 CCR.
- DUTIES OF CONTRACTOR PER SECT. 4-343; PART 1, TITLE 24.
- TESTING AND INSPECTION.
- INSPECTOR APPROVED BY DSA AS PER SECT. 4-333(D); PART 1, TITLE 24, CCR.
- TESTS AND TESTING LABORATORIES PER SECT 4-335.
- SPECIAL INSPECTION PER SECT. 4-335(C).
- CHANGES IN LEVEL FOR FLOOR FINISHES SHALL CONFORM WITH CBC SECTION 11B-303.
- ALL TESTS TO CONFORM TO REQUIREMENTS OF SECTION 4-335; PART 1, TITLE 24, CCR.
- TESTS OF MATERIALS AND TESTING LABORATORY SHALL BE IN ACCORDANCE WITH SECTION 4-335; PART 1, TITLE 24, CCR AND THE DISTRICT SHALL EMPLOY AND PAY THE LABORATORY. COSTS FOR RE-TEST MAY BE BACK CHARGED TO THE CONTRACTOR.
- INSPECTOR SHALL BE APPROVED BY DSA. INSPECTION SHALL BE IN ACCORDANCE WITH SECTION 4-335(B).
- THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(C), PART 1, TITLE 24, CCR)
- INSPECTOR OF RECORD REQUIREMENTS:
 - ONE OR MORE INSPECTORS EMPLOYED BY THE OWNER IN ACCORDANCE WITH THE REQUIREMENTS OF TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS WILL BE ASSIGNED TO THE WORK. THE INSPECTOR'S DUTIES ARE SPECIFICALLY DEFINED IN SECTION 4-342 OF SAID TITLE 24; PART 1 AND IN ADDITION, SHALL BE STIPULATED IN INTERPRETATION OF REGULATION DOCUMENT IR A-6.
 - INSPECTOR SHALL BE CERTIFIED AS A CLASS 2 INSPECTOR THROUGH THE DIVISION OF THE STATE ARCHITECT INSPECTOR EXAMINATION PROGRAM. INSPECTOR SHALL ALSO BE SPECIFICALLY APPROVED BY THE DIVISION OF THE STATE ARCHITECT FOR THIS PROJECT AT LEAST 10 DAYS PRIOR TO THE START OF ANY WORK FOR THIS PROJECT.

- THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AN IN COMPLIANCE WITH THE ENERGY CODE.
 - LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATTI).
 - MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECT SUBMITTED ON OR AFTER OCTOBER 1, 2021.
 - ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TEST SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR.
 - ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT, A LISTING OF CERTIFIED ATTI CAN BE FOUND AT: <https://www.energy.ca.gov/programs-and-topics/programs/acceptance-test-technician-certification-provider-program/acceptance>.
 - THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.
 - PROJECT INSPECTOR WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.
- FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION WILL BE ENFORCED IN ACCORDANCE WITH CBC & CFC CHAPTER 33.

DEFERRED APPROVALS

1. NONE

ADD ALTERNATES

1. NONE

CODES AND REGULATIONS

- APPLICABLE STATE CODES AND REGULATIONS WITH LATEST AMENDMENTS AND SUPPLEMENTS:
- 2022 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 CCR
 - 2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR (2018 IBC & CALIFORNIA AMENDMENTS)
 - 2019 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR (2017 NATIONAL ELECTRICAL CODE & CALIFORNIA AMENDMENTS)
 - 2019 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR (2018 UNIFORM MECHANICAL CODE & CALIFORNIA AMENDMENTS)
 - 2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR (2018 UNIFORM PLUMBING CODE & CALIFORNIA AMENDMENTS)
 - 2019 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 CCR
 - 2019 CALIFORNIA HISTORICAL BUILDING CODE, PART 8, TITLE 24 CCR
 - 2019 CALIFORNIA FIRE CODE, PART 9, TITLE 24 CCR (2018 INTERNATIONAL FIRE CODE & CALIFORNIA AMENDMENTS)
 - 2019 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR (2018 INTERNATIONAL EXISTING BUILDING CODE AND 2019 CALIFORNIA AMENDMENTS)
 - 2019 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 CCR
 - TITLE 8 CCR, CH. 4, SUB-CH. 6 - ELEVATOR SAFETY ORDERS
 - TITLE 19 CCR, PUBLIC SAFETY, SFM REGULATIONS
 - 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE PART 11, TITLE 24
- APPLICABLE FEDERAL CODES AND STANDARDS:
- AMERICANS WITH DISABILITIES ACT (ADA), TITLE 11
 - UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS) or ADA STANDARDS FOR ACCESSIBLE DESIGN (APPENDIX A OF 28 CFR PART 36)
- APPLICABLE REFERENCED STANDARDS:
- NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED), 2016 EDITION
 - NFPA 24, PRIVATE FIRE MAINS (CA AMENDED), 2022 EDITION
 - NFPA 72, NATIONAL FIRE ALARM CODE (CA AMENDED), 2022 EDITION
 - NFPA 80, FIRE DOOR AND OTHER OPENING PROTECTIVES, 2019 EDITION
 - NFPA 2001, CLEAN AGENT FIRE EXTINGUISHING SYSTEMS, 2018 EDITION

- REFERENCE CODE SECTION FOR NFPA STANDARDS - 2022 CBC (SFM) CHAPTER 35. SEE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS.

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TOTAL SHEET COUNT: 112

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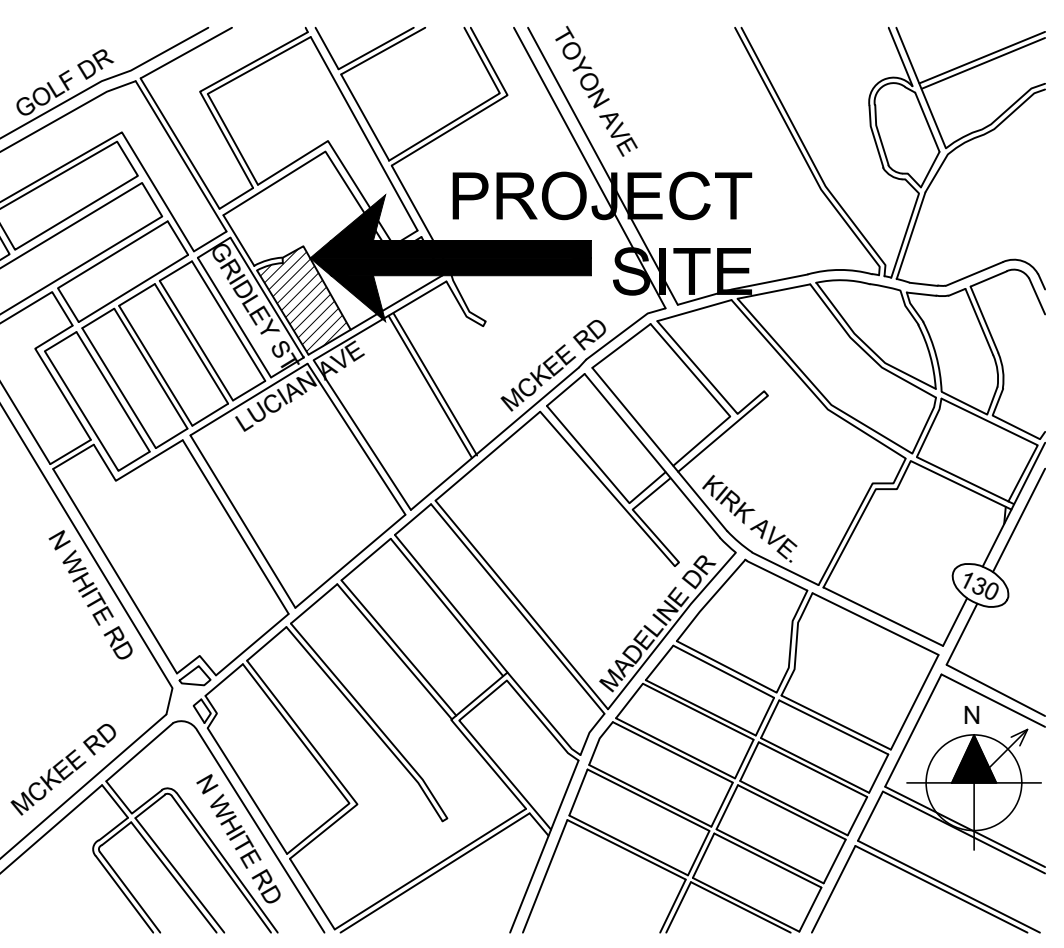
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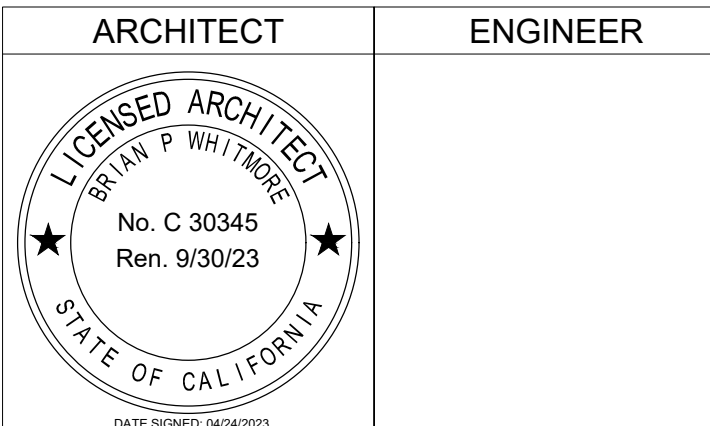
VICINITY MAP



DSA STAMP



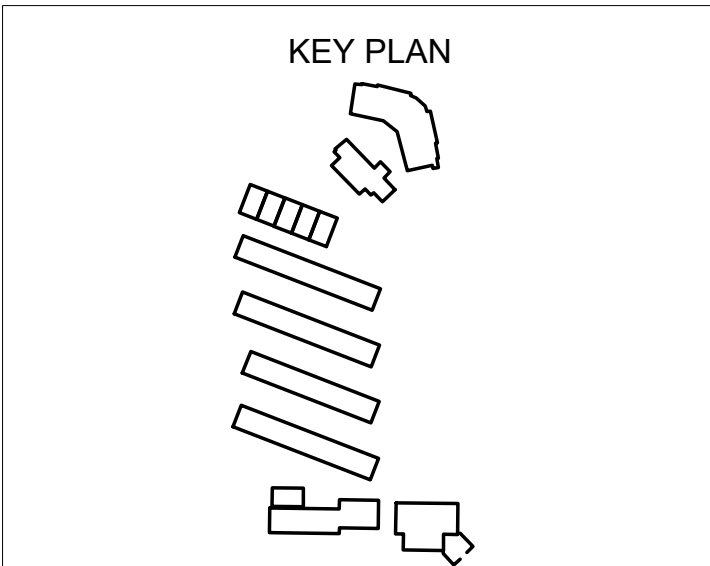
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NO.	REMARKS	DATE
1	Addendum 01	06/07/2023

REVISION HISTORY	
NO.	DATE
1	12/23/2022



ALUM ROCK UNION
SCHOOL DISTRICT
2930 GAY AVE.
SAN JOSE, CA 95127

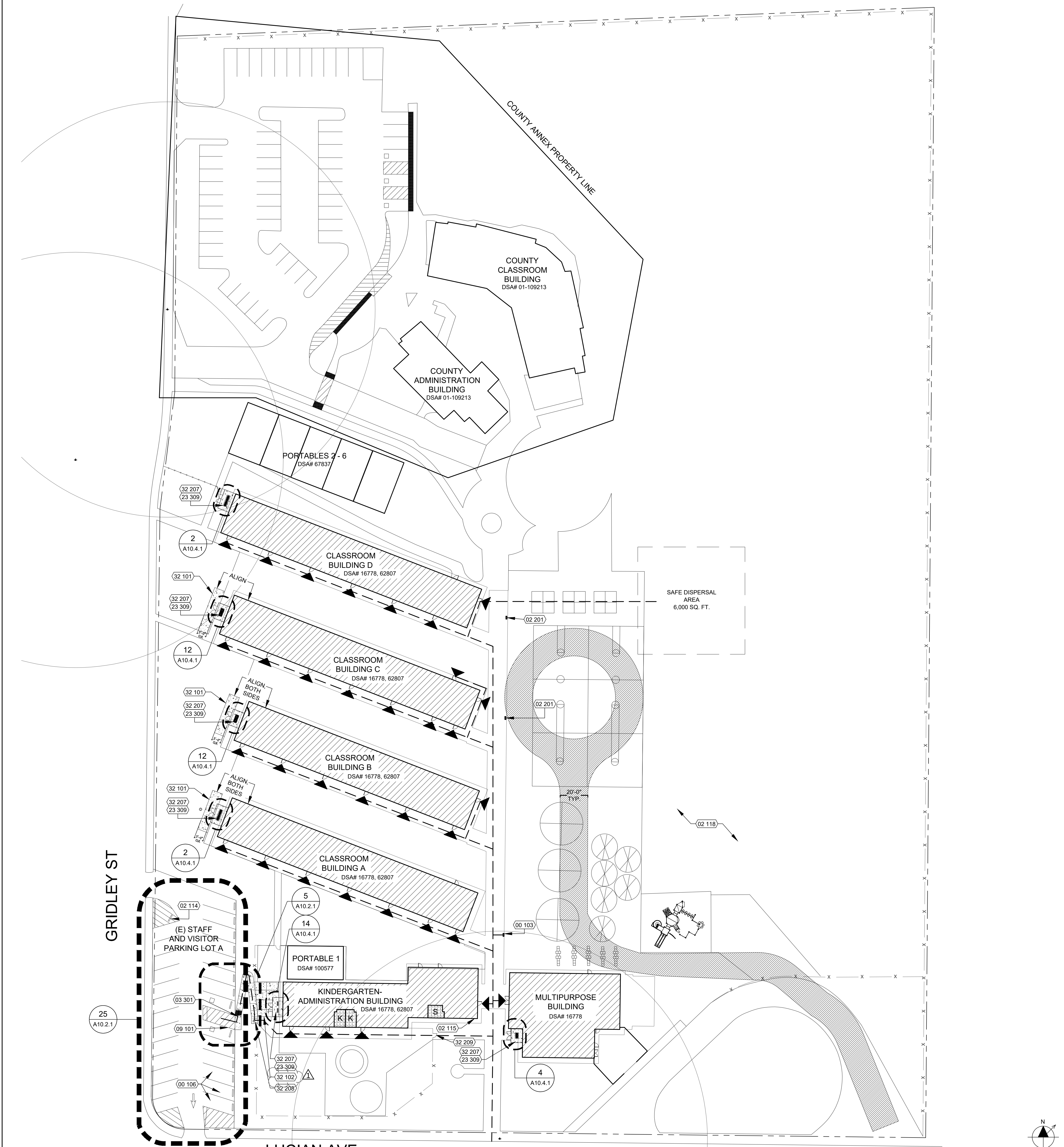
CONSTRUCTION DOCUMENTS

MILLARD MCCOLLAM
ELEMENTARY SCHOOL
3311 LUCIAN AVE.,
SAN JOSE, CA 95127

COVER SHEET

Date 04/24/2023	Project Number 22026
Application Number 01-120631	Drawing Number A0.1
Drawn KT	Checked CD

CODE ANALYSIS								
BUILDING NAME	KINDERGARTEN/ADMIN	MULTI-PURPOSE	BUILDING 'A' CLASSROOMS	BUILDING 'B' CLASSROOMS	BUILDING 'C' CLASSROOMS	BUILDING 'D' CLASSROOMS	PORTABLE 'P1'	PORTABLES 'P2-P6'
OCCUPANCY (CBC SECTION 302)	B/E	A-3	E	E	E	E	E	E
TYPE OF CONSTRUCTION	V-B	V-B	V-B	V-B	V-B	V-B	V-B	V-B
SPRINKLERS	NO	NO	NO	NO	NO	NO	NO	NO
ALTERNATIVE PROTECTION (CBC 903.1.1)	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED
SEPARATED? (CBC TABLE 508.4)	YES	NO	NO	NO	NO	NO	NO	NO
EXISTING BUILDING STORIES / BUILDING HEIGHT	1 / 12'-0"	1 / 20'-0"	1 / 16'-0"	1 / 16'-0"	1 / 16'-0"	1 / 16'-0"	1 / 11'-0"	1 / 11'-0"
TOTAL BUILDING AREA	2,888 SF (B) 1,835 SF (E)	4,303 SF	5,707 SF	5,355 SF	5,707 SF	5,715 SF	960 SF	960 SF (EACH PORTABLE)



SITE PLAN OVERALL 1/32" = 1'-0" 10

DESIGN PROFESSIONAL IN
GENERAL RESPONSIBLE
CHARGE STATEMENT

(BASED ON DSA PROCEDURE PR 15-01)

THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

ACCESSIBLE PATH OF TRAVEL

ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER FREE ACCESS ROUTE WITHOUT ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAXIMUM AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP-RESISTANT. CROSS SLOPE SHALL NOT BE STEEPER THAN 1:48 AND SLOPE IN THE DIRECTION OF TRAVEL SHALL NOT BE STEEPER THAN 1:20. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND FREE OF OBJECTS PROTRUDING MORE THAN 4" FROM THE WALL, ABOVE 27" AND LESS THAN 80" ABOVE THE FLOOR. ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.

SAFE DISPERSAL AREA

TOTAL 'EDUCATIONAL' OCCUPIED AREA = 15,775 SF
15,775 SF @ 20 SF/OCC. = 789 OCCUPANTS
TOTAL 'BUSINESS' OCCUPIED AREA = 6,020 SF
6,020 SF @ 150 SF/OCC. = 41 OCCUPANTS
TOTAL 'ASSEMBLY' (UNCONCENTRATED) OCCUPIED AREA = 4,303 SF
4,303 SF @ 15 SF/OCC. = 287 OCCUPANTS

TOTAL OCCUPANTS (PER CBC TABLE 1004.5) = 1,117
MINIMUM DISPERSAL AREA REQUIRED PER CBC 1028.5.1:
TOTAL OCCUPANTS X 5 SF/OCC. = 1,117 OCC. X 5 SF/OCC. = 5,585 SF

DISPERSAL AREA PROVIDED = 6,000 SF > 5,585 SF = OK

KEY NOTES

NUMBER	NOTE
00 103	REMOVE AND REPLACE (E) DRINKING FOUNTAIN WITH A NEW FREE-STANDING HI-LO DRINKING FOUNTAIN. SEE DETAIL 17A10.2.1
00 106	REMOVE ACCESSIBLE STRIPING, SIGNS, & SYMBOLS AND REPAINT PARKING STALL LINES WHITE. SEE DETAIL 25A10.2.1
02 114	(E) CAMPUS ADDRESS SIGNAGE PER CBC 502.1. SEE DETAIL 12A10.10.1
02 115	(E) CAMPUS ADDRESS SIGNAGE PER CBC 502.1. SEE DETAIL 12A10.10.1
02 118	AREA FOR STORAGE UNITS. CONTRACTOR SHALL MOVE ALL FURNITURE AND EQUIPMENT FROM ALL ROOMS INTO STORAGE UNITS PRIOR TO CONSTRUCTION WORK AND MOVE BACK AFTER COMPLETION OF WORK. GENERAL CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND REMOVAL OF STORAGE UNITS ON SITE. COORDINATE LOCATION IN FIELD WITH OWNER.
02 201	(E) EXTERIOR DRINKING FOUNTAIN TO REMAIN
03 301	NEW ACCESSIBLE SLOPED WALK. SEE DETAIL 5A10.2.1
09 101	STRIP NEW ACCESSIBLE STALLS AND PROVIDE SIGNAGE. SEE DETAIL 5A10.2.1
09 102	EXTEND ALL STALL LINES ON EAST SIDE OF PARKING LOT PER 25A10.2.1
23 309	MECHANICAL UNIT OF CONCRETE PADS. SEE MECHANICAL DRAWINGS.
32 101	NEW 2'-0" WALKWAY. SEE DETAIL 20A10.4.1
32 102	NEW CONCRETE SIDEWALK. SEE DETAIL 18A10.2.1
32 207	NEW WIRE CAGES WITH TOP COVERS AROUND HVAC EQUIPMENT. SEE DETAILS 2, 4, 12 & 14A10.4.1
32 208	(E) 8'-0" GATE MODIFIED TO HAVE (N) HARDWARE PER DETAIL 6A10.2.1
32 209	(E) 4'-0" GATE MODIFIED TO HAVE (N) HARDWARE PER DETAIL 7A10.2.1

ACCESSIBLE PARKING

BASED ON CBC TABLE 11B-208.2 "PARKING SPACES"

PARKING LOT	STANDARD STALLS	ACCESSIBLE STALLS REQUIRED	ACCESSIBLE STALLS PROVIDED
A	24	1	2*
TOTAL	24	1	2*

*INCLUDING VAN ACCESSIBLE STALL

GENERAL NOTES

- REFER TO MECHANICAL, ELECTRICAL, DRAWINGS FOR EXTENT OF MECHANICAL AND ELECTRICAL WORK.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR THE ON-SITE AND / OR OFF-SITE STORAGE AND PROPER PROTECTION AGAINST LOSS, DAMAGE OR DETERIORATION OF NEW MATERIALS & EQUIPMENT ACQUIRED PRIOR TO THE START OF CONSTRUCTION. ON-SITE DELIVERY AND INSTALLATION OF PORTABLE CONSTRUCTION STORAGE CONTAINERS MUST BE COORDINATED IN FIELD WITH THE CONSTRUCTION MANAGER.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR MOVING, STORAGE, AND PROTECTION OF EXISTING FURNITURE AND EQUIPMENT WITHIN THE AREA OF CONSTRUCTION. GC WILL DOCUMENT EXISTING CONDITIONS AND COORDINATE WITH THE CONSTRUCTION MANAGER PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR 6'-0" HIGH TEMPORARY CONSTRUCTION BARRIER WITH VISION SCREEN AT STAGING, STORAGE AND CONSTRUCTION AREA WITH SIGNAGE EVERY 20'-0" TO WARN STUDENTS OF CONSTRUCTION AREA.
- CONTRACTOR TO BRING IN OFFICE TRAILER TO CONSTRUCTION AREA.
- CONTRACTOR SHALL ACCESS THE SITE FROM LUCIAN AVE. ANY DAMAGE TO FIRE LANE WILL BE AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR TO REPAIR BACK TO EXISTING CONDITIONS ALL LAY DOWN AREAS AT THE END OF CONSTRUCTION. THIS INCLUDES LANDSCAPE AREAS AND ANY BROKEN SPRINKLERS, VALVE BOXES, CONCRETE, ASPHALT, ETC.
- CONTRACTOR SHALL REPLACE, RECONSTRUCT AND REPAIR ALL EXISTING WORK THAT IS IMPACTED, DAMAGED, OR DESTROYED AS A RESULT OF ANY CONTRACTOR WORK INCLUDING, BUT NOT LIMITED TO, HARDSCAPING, SIDEWALKS, IRRIGATION SYSTEMS, LANDSCAPING, LAWNS, STRUCTURES, AND UTILITIES - ALL TO THE SATISFACTION OF THE DISTRICT.
- WHERE ASPHALT OR CONCRETE IS BEING REPAIRED, CONTRACTOR SHALL PROVIDE EVEN AND STRAIGHT LINE CUTS WITH 2-FOOT STRAIGHT SLURRY SEAL SURFACE PATCH ON BOTH SIDES OF CUT.
- CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON SITE TO AVOID EXISTING DUCTS, PIPING OR CONDUITS, ETC., AND TO PREVENT HAZARDS TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN AND INSTALLED BY ANY OTHER CONTRACTS. THE ARCHITECT IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY ANY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY ELEMENTS FOR CONSTRUCTION SAFETY.
- GATES IN PATH OF TRAVEL SHALL COMPLY WITH EXIT DOOR REQUIREMENTS WITH PROPER LEVER HARDWARE AND KICK PLATES.

LEGEND

(E) BUILDING WITHIN SCOPE OF WORK

(E) BUILDING, N.I.C.

(E) 20'-0" WIDE MINIMUM CLEAR FIRE ACCESS LANE

(N) CONCRETE

(E) ACCESSIBLE RESTROOMS WITHIN SCOPE

S

(E) ALL GENDER STAFF RESTROOM

K

(E) ALL GENDER KINDERGARTEN RESTROOM

(E) FENCE & GATES TO REMAIN

(N) FENCE & GATES

PROPERTY LINE

ACCESSIBLE PATH OF TRAVEL, SEE DEFINITION ON THIS SHEET

LOCATION OF ACCESSIBLE EXTERIOR EXIT DOORS, ENTRANCES, AND EGRESS

FIRE HYDRANT AND 150' RADIUS CIRCLE

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ARCHITECT

ENGINEER

LICENSED ARCHITECT
STATE OF CALIFORNIA
No. C 30345
Ren. 9/30/23

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NO.	REMARKS	DATE
1	Addendum 01	06/07/2023

REVISION HISTORY

DATE

12/23/2022

04/24/2023

DRAWING STATUS

DATE

12/23/2022

04/24/2023

ALUM ROCK UNION
SCHOOL DISTRICT
2930 GAY AVE.
SAN JOSE, CA 95127

CONSTRUCTION DOCUMENTS

MILLARD MCCOLLAM
ELEMENTARY SCHOOL
3311 LUCIAN AVE.,
SAN JOSE, CA 95127

SITE PLAN OVERALL

Date
04/24/2023

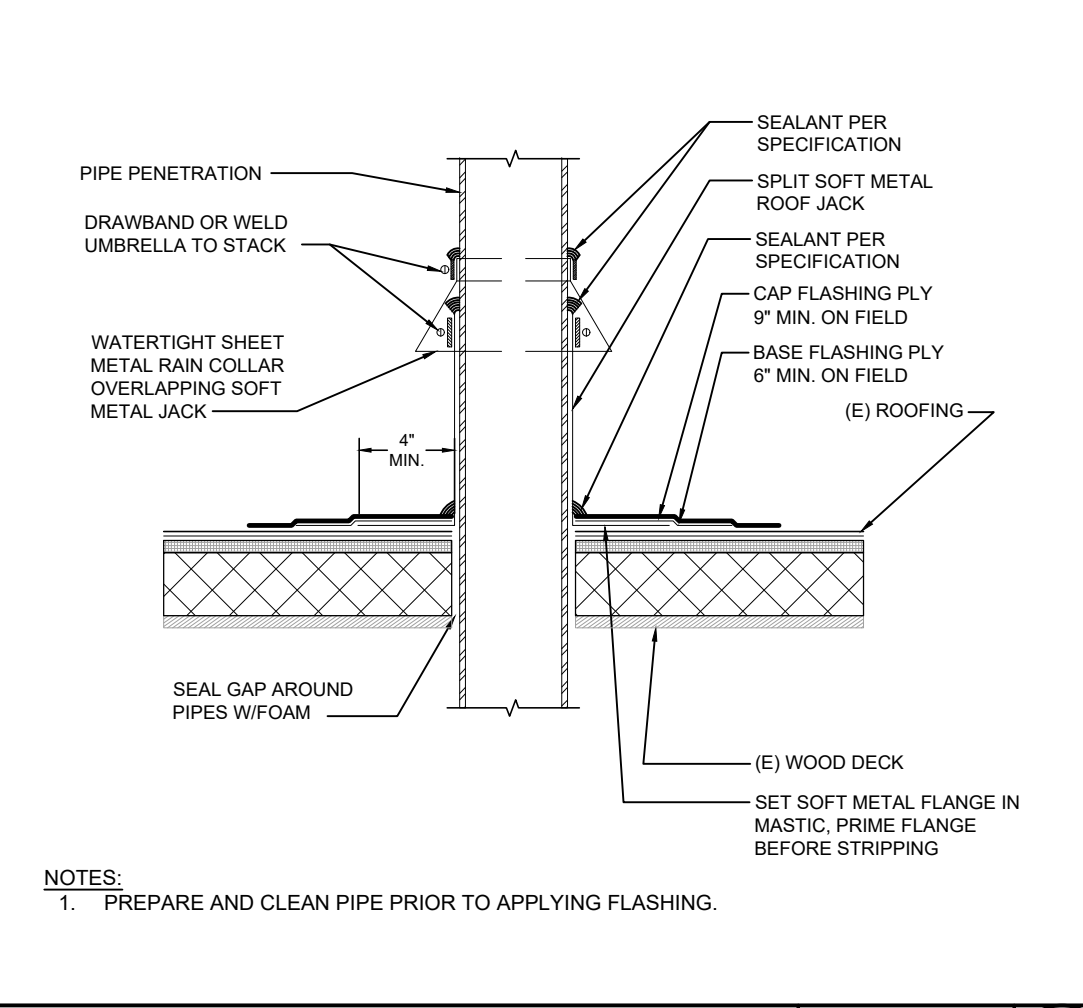
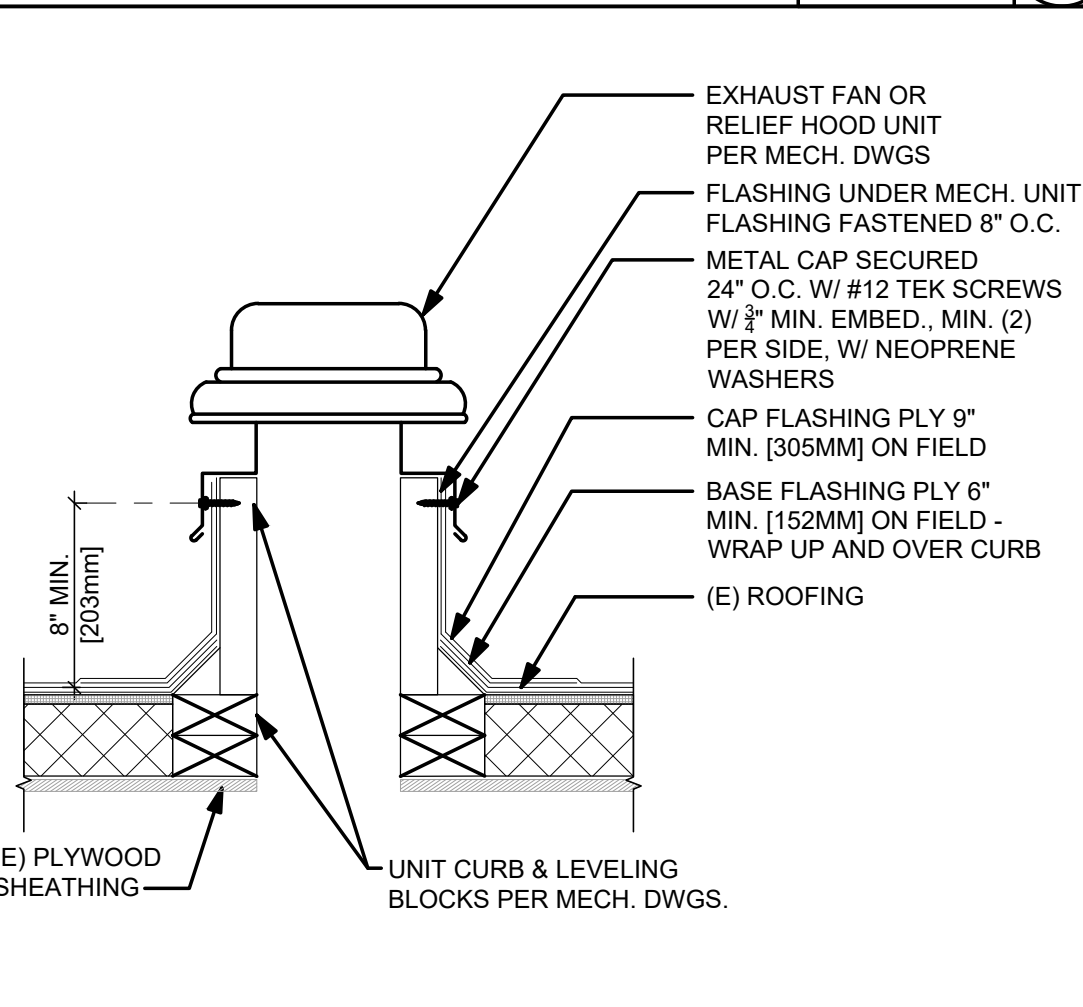
Project Number
22026

Application Number
01-120631

Drawing Number
A1.1

Drawn
KT

Checked
CD

				 PIPE PENETRATION AT ROOF 3" = 1'-0" 6	NOT USED
				 FLASHING AT ROOF CURB 1 1/2" = 1'-0" 7	NOT USED
					NOT USED
					NOT USED
					NOT USED

DSA STAMP



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ARCHITECT



ENGINEER

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REVISION HISTORY

NO.	REMARKS	DATE
1	Addendum 01	06/07/2023

DRAWING STATUS

☐ DSA PLAN CHECK

☒ DSA BACK CHECK

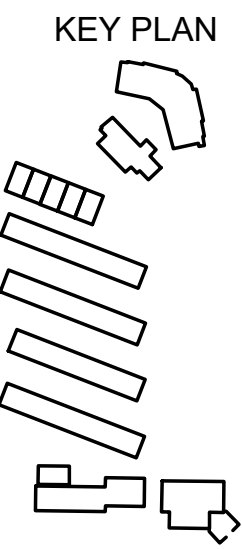
☐ BIDDING

☐ CONSTRUCTION

DATE

12/23/2022

04/24/2023



KEY PLAN

ALUM ROCK UNION
SCHOOL DISTRICT
2930 GAY AVE.
SAN JOSE, CA 95127

CONSTRUCTION DOCUMENTS

MILLARD MCCOLLAM
ELEMENTARY SCHOOL
3311 LUCIAN AVE.,
SAN JOSE, CA 95127

ROOF DETAILS

Date
04/24/2023

Application Number
01-120631

Drawn
KT

Project Number
22026

Drawing Number

Checked
CD

A10.7.1

The Garland Company, Inc.

Roof Asset Management Program



2020 Alum Rock Roof Assessment

Prepared By
Adam Faville

January 14, 2022



Facility Summary

Client: Alum Rock USD

Facility: McCollam Elementary School



Facility Data

Address 1	3311 Lucian Ave
City	San Jose
State	CA
ZIP	95127
Type of Facility	School
Square Footage	55,000

Asset Information

Name	Date Installed	Square Footage	Roof Access
2020 Entire Roof		55,000	
A Building Roof		-	Ladder Needed
Classroom Buildings		-	Ladder Needed
Entire Roof	1990	57,000	Ladder Needed



Construction Details

Client: Alum Rock USD

Facility: McCollam Elementary School

Roof Section: 2020 Entire Roof

Information			
Year Installed	-	Square Footage	55,000
Slope Dimension	-	Eave Height	-
Roof Access	-	System Type	-



Photo Report

Client: Alum Rock USD

Facility: McCollam Elementary School

Roof Section: 2020 Entire Roof

Report Date: 02/18/2020

Title: Roof Inspection

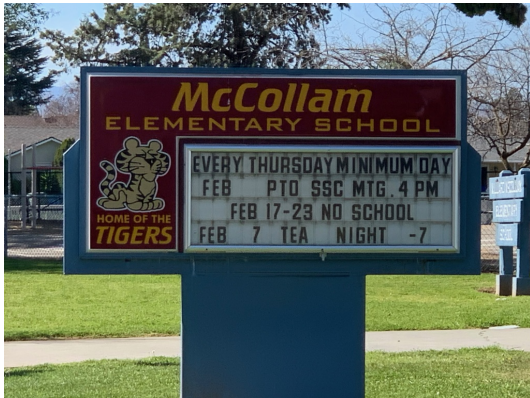


Photo 1



Photo 2



Photo 3

Large amount of Tree Debris on rooftop



Photo 4



Photo 5

Roof is in good condition.



Photo 6

Minor ponding water on flat canopy roof.



Photo 7



Photo 8

Mastic showing through where gravel has been lost.



Photo 9



Photo 10



Photo 11



Photo 12

Portable roofs are showing signs of wear.



Photo 13

Rusted out seam caps at the center of the roof.



Solution Options

Client: Alum Rock USD

Facility: McCollam Elementary School

Roof Section: 2020 Entire Roof

Restore Options

Solution Option:	Restore 	Action Year:	2020
Square Footage:	55,000	Expected Life (Years):	15
Budget:	\$95,000.00		

Metal Portable Liquitex Restoration Coating:
10 Year Warranty Extended Warranty

Power wash roof free of all dirt and debris with TSP, or Simple Green solution. Let roof dry. primer to dry roof. Apply Liquitex Polyurethane base coat, and Uni-Bond seam tape to all seams. Apply top coat to entire roof. Replace edge metal, gutters, pipe flashings, sleepers as needed.