Notice is hereby given to all prospective bidders that plans and specifications on the subject project are modified as hereinafter set forth. This Addendum shall be attached to and form a part of the plans and specifications. All bidders must acknowledge receipt of this addendum on the Bid Form. In case of difference with previous addenda or communications, this addendum takes precedence.

It is the responsibility of all bidders to notify all subcontractors from whom they request bids and from whom they accept bids of all changes contained in this addendum.

**PROJECT MANUAL**

1. **Item No. ADD 1 P.M.**
   **Reference:** 00800, Part 1.2
   **Description:** In the description of Phase 1, add the following bullet point:
   - Contractor shall install water & sewer lines that run below the temporary restroom building by May 11, 2015.

2. **Item No. ADD 1 P.M.**
   **Reference:** 02300, Part 3.5, Section G 1, 2, 3, 4
   **Description:** Omit items G 1, 2, 3 4 and replace with the following:
   G. Soil Disposal requirements
   1. Naturally occurring asbestos serpentine bedrock and soil has been identified to be present throughout the footprint of the site. For bidding purposes, contractor shall assume asbestos concentrations are >1.0% asbestos in all bedrock and soils at the site. Contractor shall comply with the requirements identified in California Code of Regulations, Title 8, Section 1529 for Class II Asbestos Work; CCR, Title 17, Section 93105 Asbestos Airborne Toxic Control Measure (ATCM); Bay Area Air Quality Management District Regulatory Advisory; and in Section 02080, Soil Sampling and Analysis Report and Geotechnical Soils Report located in the Contract Documents when disturbing NOA soils / bedrock at the site. Contractor shall dispose of all excess soils at a permitted Class II / III Waste Management Unit, granted that all necessary and additional stockpiling and hazardous waste characterization results are below acceptable regulatory limits and waste management unit acceptance criteria. If additional sampling is required by the designated waste management unit for disposal and acceptance purposes, the contractor shall provide these additional requirements in writing to the District's Consultant and allow a minimum of 14 days for testing and reporting. Contractor must provide a letter of acceptance or approved profile with
authorization number from the Class II/III Waste Management Unit to the District prior to removing any soils from the site. Re-use of soils on-site may be considered if used below hardscape areas and/or as trench backfill up to 12 inches below finished grade providing soils meet all other contract and regulatory requirements. Under no circumstances will the District allow excess soils to be reused at another site or transported to a recycle facility for resale and reuse.

2. Refer to soil sampling and analysis report for Visitacion Middle School Raymond Avenue, San Francisco, Ca 94134, by Raibon And Colbert Associates, Inc. Dated November 2014.

3. The district consultant will collect the necessary stockpile soil samples utilizing current acceptable criteria from recology class ii hay road landfill located in Vacaville, California and the waste management class ii/iii landfill in Altamont, California.

4. The contractor shall allow a minimum of fourteen calendar days for testing & analysis. The district does not clarify or imply that the removed soils will meet the DTSC classification for "clean soils" at sensitive sites.

5. Any testing above the testing that is required for disposal at a permitted class iii waste management unit will be at the contractors own risk & expense.

3. **Item No. ADD 1 P.M.**
   - Reference: 09675 – Resinous Flooring
   - Description: Omit entire specification section and replace with the attached 09675 Specification.
   - See attached 09675 – Resinous Flooring

**DRAWINGS**

1. **Item No. ADD 1 DWGS.**
   - Reference: G0.01
   - Description: Add Scope of Work item #3 "At the completion of the modernization project the contractor will be responsible for disconnection and removal of all interim housing utility connections. In addition fencing for temporary housing will need to be removed and AC paving installed for interim housing will need to be removed and patched."

2. **Item No. ADD 1 DWGS.**
   - Reference: C0.02
   - Description: Omit original 4 soil disposal notes located on the bottom left portion of the Sheet.

3. **Item No. ADD 1 DWGS.**
   - Reference: Modernization C2.03
   - Description: Addition of back flow preventer and new FDC and PIV.
   - See attached sketch SK C2.03.1

4. **Item No. ADD 1 DWGS.**
   - Reference: A1.34
   - Description: Revise keynote #1 to read Alternate #3 instead of Alternate #1
   - Description: Revise keynotes #3, #7 & #20 to be part of alternate #3 scope.
   - Description: Revise sheet note 8 to read: "Base scope includes removal and patching of roofing as needed for installation of new utilities."
5. **Item No. ADD 1 DWGS.**
   Reference: A1.34G
   Description: Revise sheet note 8 on roof plan to read: "Base scope includes removal and patching of roofing as needed for installation of new utilities."

6. **Item No. ADD 1 DWGS.**
   Reference: A2.04
   Description: Revise the heading above all the keynotes #1 to #23 to Alternate #3.

7. **Item No. ADD 1 DWGS.**
   Reference: A2.23
   Description: Add Window Note item #10 “All window and storefront attachments shall be provided and installed as required by manufacturer and shall be DSA approved.”

8. **Item No. ADD 1 DWGS.**
   Reference: A3.01; A3.02; A3.03
   Description: Add Sheet Note item #1 “Re-caulk all pre-cast panels where PCB caulking is removed”
   Description: Add Sheet Note item #2 “Refer to the Project Manual Appendix B for exterior elevations color scheme”

9. **Item No. ADD 1 DWGS.**
   Reference: S1.04
   Description: Add the following note at approximately C-line & 2-line (refer to M2.06 for exact location). “Install new opening in concrete slab for new exhaust fan EF-9. Do not cut joist. Refer to 17/S4.01.”

10. **Item No. ADD 1 DWGS.**
    Reference: P0.01
    Description: Add new sentence to Geo Tech Notes “Also, see Geo-Technical notes on sheet C0.02 for additional information”

11. **Item No. ADD DGWS.**
    Reference: E1.31, E1.32, E1.33, E1.34, E1.35, E1.51, E1.52, E1.53, E1.54, E1.55, E2.01A, E2.02A, E2.03A, E2.04A, E2.05A, E2.06A, E2.01B, E2.02B, E2.03B, E2.04B, E2.05B, E2.06B, E3.01, E3.02, E3.03, E3.04, E3.05, FA1.31, FA1.32, FA1.33, FA1.34, FA1.35, FA2.01, FA2.02, FA2.03, FA2.04, FA2.05, FA3.03, FA3.04
    Description: Delete all General Notes and Sheet notes referencing phases of work. Provide new general note to read “Coordinate all phasing requirements with specification section 00800.”

12. **Item No. ADD 1 DWGS.**
    Reference: E1.31
    Description: Add General Note number 3 to read “All electrical devices, conduit and wiring shown on this plan is to be disconnected and removed unless otherwise noted.”
13. Item No. ADD 1 DWGS.
Reference: E1.32
Description: Change the sheet note tag number 3 on the dashed box on grid line 3B to sheet note tag number 1.

14. Item No. ADD 1 DWGS.
Reference: E2.06A
Description: Add General note to read “All electrical work to HVAC and Exhaust Fan units feeding the gymnasium is an add alternate.”

15. Item No. ADD 1 DWGS.
Reference: E3.01
Description: Provide LMCP lighting control panel in Boiler Room 114 for “On-Demand” Title 24 requirements. The following rooms/spaces shall be connected to allow for on-demand dimming. DLM controllers in rooms shall be interconnected as required for a completely operational system. Shop drawings and wiring control diagrams shall be provided with the required lighting shop drawing submittals listed in specifications.
- First Floor: Classrooms 104, 105, 108. Corridor’s 190, 191, 192, 193, 104B. Stairwells 80, 81, 82, 83 and 84.
- Third Floor: Corridor’s 390, 391, 392, 393, 394,395. Stairwells 80, 81, 82, 83 and 84.

Description: Lighting in corridors and stairwells shall be controlled by lighting control panel. Hours of operation shall be coordinated with school district. Provide and install keyed override switch in each stairwell and one keyed override switch for corridor lighting on all 3 floors. Switch locations shall be coordinated with district prior to installation.
- First Floor: Corridor’s 190, 191, 192, 193, 104B. Stairwells 80, 81 and 82.
- Second Floor: 225. Corridor’s 290, 291, 292, 293, 294,295 and Lobby 296. Stairwells 80, 81 and 82.
- Third Floor: Corridor’s 390, 391, 392, 393, 394,395. Stairwells 80, 81 and 82.

16. Item No. ADD 1 DWGS.
Reference: E4.08
Description: On detail 4/E4.08 revise note "PROVIDE NEW PBX PHONE SYSTEM IN MDF ROOM" to read "PROVIDE NEW PBX PHONE SYSTEM IN MDF ROOM PER ALLOWANCE. SEE SPEC SECTION 01210."
Description: On detail 4/E4.08 change "REPLACE EXISTING TELEPHONE TRUNK CABLE WITH NEW 100-PAIR CABLE" from MDF to 2nd floor IDF to "INSTALL NEW 1 1/4" CONDUIT AND 100 PAIR CABLE FROM MDF TO IDF 1."
Description: On detail 4/E4.08 change "(N) 100 PAIR TELEPHONE TRUNK CABLE" from MDF to 3rd floor IDF to read "INSTALL NEW 1 1/4" CONDUIT AND 100 PAIR CABLE FROM MDF TO IDF 2."
Description: On detail 3/E4.08 change "(N) FIBER OPTIC CABLE TO (N) IDF" from MDF to 3rd floor IDF to READ "INSTALL NEW 1 1/2" CONDUIT AND FIBER OPTIC CABLE" from MDF to 3rd floor IDF.
Description: Add detail 5/E4 08 “CCTV ANALOG CAMERA RISER DIAGRAM”. See sketch ADD.1 E4.08.1

Description: Add detail 6/E4 08 “KERI SYSTEM ACCESS CONTROL ONE LINE DIAGRAM”. See sketch ADD.1 E4.08.2.

17. Item No. ADD 1 DWGS.
   Reference: FA1.01
   Description: Add new conduit and cabling from building to new PIV for fire alarm monitoring. See sketch ADD.1 FA1.01.1.

18. Item No. ADD 1 DWGS.
   Reference: FA3.03
   Description: Add fire monitoring connection to new PIV location on riser diagram. See sketch ADD.1 FA3.01.1.

RFI REPONSES

1. Question: I am working on a signage take-off for Visitacion Valley Middle School and am coming up with a 118 sign discrepancy between the sign schedule (A2.30) and the sign location plans (A2.31, A2.32 & A2.33). Please advise if I should go with the sign schedule or the sign plans.

   Response: Contractor to refer to ALL relevant drawings and specifications to obtain signage information.

ATTACHMENTS:

   Project Manual:

   Section 09675

   Drawings:

   ADD.1 2.03.1
   ADD.1 E4.08.1
   ADD.1 E4.08.2
   ADD.1 FA1.01.1
   ADD.1 FA3.03.1

END OF INTERIM HOUSING & MODERNIZATION ADDENDUM NO. 1
SECTION 09675
RESINOUS FLOORING
(ANTI-MICROBIAL EPOXY MOSAIC COMPOSITION FLOORING WITH VAPOUR CONTROL)

PART 1 - GENERAL

1.01 GENERAL REQUIREMENTS

A. Work of this Section, as shown or specified, shall be in accordance with the requirements of the Contract Documents.

1.02 WORK INCLUDED

A. Work of this Section includes all labor, materials, equipment and services necessary to complete the slope for drainage underlayment, vapor control primer, epoxy mosaic composition flooring and integral base as scheduled on the drawings and/or specified herein.

1.03 RELATED WORK

A. Concrete - Section 03300.
B. Floor drains - Division 15.

1.04 SUBMITTALS

A. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification Sections.

B. Product Data: Submit manufacturer's technical data, application instructions and general recommendations for the epoxy mosaic composition flooring specified herein.

C. Submit written letter from Manufacturer offering joint applicator/manufacturer labor/material warranty for this specific project and with this particular subcontractor-installer.

D. Submit Manufacturer’s technical data for vapor control system. System must be manufactured by the manufacturer of the epoxy mosaic composition flooring product (NO EXCEPTIONS) and be engineered to prevent debonding resulting from vapor emissions up to 10 lbs when tested in accordance with ASTM F-1869 or Alkalinity levels up to 14.

E. Submit Base Manufacturer’s EPA licensing documentation and permitting for Antimicrobial/Antibacterial System as well as base manufacturer’s documentation showing the Antimicrobial/Antibacterial has long-term service life in the cured epoxy is not simply an “in-can preservative” and is effective against bacteria, microbes, fungi and mildew.

F. Samples for initial selection purposes in form of manufacturer's color charts showing full range of colors...
and finishes available.

1. Submit 2-1/2" x 4" samples of color chips from color chart selection designated by the Architect.

2. Submit finish texture samples for the owner’s review and approval. Owner to sign the reverse side of one pair of submitted samples—one is retained by the Architect, the other is returned to installer.

G. Material certificates signed by manufacturer certifying that the epoxy mosaic composition flooring complies with requirements specified herein.

H. Maintenance Instructions: Submit manufacturer's written instructions for recommended maintenance practices.

1.05 QUALITY ASSURANCE

A. Installer Qualifications: Engage an experienced installer or applicator who has specialized in installing resinous flooring types similar to that required for this Project and who is acceptable to manufacturer of primary materials.

B. Single-Source Responsibility: Obtain epoxy mosaic composition flooring materials, including underlayments, vapor dissipation systems, primers, resins, hardening agents, colored aggregates and finish or sealing coats, from a single manufacturer—NO EXCEPTIONS.

C. Qualified Materials: Request for material approvals for any products other than the specified products must be submitted to the architect two weeks prior to the bid, including complete application specification, physical characteristics, and chemical resistance data. Any request after this date will not be accepted. Failure of performance requires immediate removal and replacement of unapproved substituted material with those originally specified at no cost to the owner, architect, construction manager, or general contractor.

1.06 DELIVERY, STORAGE AND HANDLING

A. Deliver materials in original packages and containers with seals unbroken and bearing manufacturer's labels containing brand name and directions for storage and mixing with other components.

B. Store materials to comply with manufacturer's directions to prevent deterioration from moisture, heat, cold, direct sunlight, or other detrimental effects.

1.07 PROJECT CONDITIONS

A. Environmental Conditions: Comply with epoxy mosaic composition flooring manufacturer's directions for maintenance of ambient and substrate temperature, moisture, humidity, ventilation, and other conditions required to execute and protect Work.

B. Lighting: Permanent lighting will be in place and working before installing resinous flooring.

C. General Contractor is responsible for controlling odors, fumes, dust or other environmental and ventilation requirements associated with the installation of the flooring.
PART 2 - PRODUCTS

2.01 MATERIALS

A. Basis of Design: Troweled ¼” Antimicrobial/Antibacterial epoxy mosaic composition flooring shall be Dex-O-Tex Cheminert Terracolor with Matte Finish Aerofloor Urethane chemical resistant top finish and EPA-Licensed Dexcide Antimicrobial/Antibacterial System as manufactured by Crossfield Products Corp.; Rancho Dominguez, California and Roselle Park, New Jersey. Only clear silica aggregate troweled floors with mosaic highlights shall be acceptable. Colored quartz, limestone varieties and other aggregates with moh hardness less than 7 are not acceptable. Broadcast or “quartz floors” (including “ceramic” floors) or any other form of color-coated sand aggregates will not be accepted.

B. Vapor Control System shall be Dex O Tex Vapor Control Primer 200 as manufactured by Crossfield Products Corp.; Rancho Dominguez, California and Roselle Park, New Jersey.

C. Underlayment to create slope for drainage shall be Dex O Tex A-81 Underlayment as manufactured by Crossfield Products Corp.; Rancho Dominguez, California and Roselle Park, New Jersey.

D. Additional acceptable system: Sika Versacolor, or approved equal.

2.02 PROPERTIES

A. Colors: As indicated, or if not otherwise indicated, as selected by Architect from manufacturer's standard colors.

B. Physical Properties:

Provide flooring system that meet or exceed the listed minimum physical property requirements when tested according to the referenced standard test method in parentheses.

<table>
<thead>
<tr>
<th>Property</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Slip Resistance</td>
<td>Coefficient of friction: Minimum = 0.60 (wet) at slopes less than 6% and 0.80 (wet) at slopes greater than or equal to 6%.</td>
</tr>
<tr>
<td>Thickness</td>
<td>1/4”</td>
</tr>
<tr>
<td>Compressive Strength (ASTM C 579):</td>
<td>10,000 psi.</td>
</tr>
<tr>
<td>Tensile Strength (ASTM C 307):</td>
<td>1395 psi.</td>
</tr>
<tr>
<td>Flexural Strength (ASTM C 580):</td>
<td>4,300 psi.</td>
</tr>
<tr>
<td>Surface Hardness (ASTM D-2240):</td>
<td>Durometer &quot;D&quot; 81</td>
</tr>
<tr>
<td>Abrasion Resistance (ASTM D 1044):</td>
<td>0.0 gr. loss</td>
</tr>
<tr>
<td>Indentation (MIL-D-3134):</td>
<td>&gt;1.0 %</td>
</tr>
<tr>
<td>Impact Resistance (Gardner Impact Tester):</td>
<td>No chipping, cracking, or delamination and not more than 0.014” indentation.</td>
</tr>
<tr>
<td>Adhesion (A.C.I. Comm. No. 503.1):</td>
<td>&gt;400 psi (100% failure in concrete)</td>
</tr>
<tr>
<td>Electrical Conductivity (NFPA 56A):</td>
<td>Di-electric</td>
</tr>
<tr>
<td>Flammability (ASTM E-648/NFPA 253/FTMS 372):</td>
<td>Greater than 1.07 watts/cm²</td>
</tr>
</tbody>
</table>
2.03 SUPPLEMENTAL MATERIALS

A. Waterproofing Membrane: Type recommended or produced by manufacturer of epoxy mosaic composition flooring system for type of service and floor condition indicated.
B. AntiMicrobial/Antibacterial Additive: Incorporate EPA-licensed Antimicrobial/Antibacterial chemical additive to prevent growth of most bacteria, fungi, algae and actinomycetes.

PART 3 - EXECUTION

3.01 INSPECTION

A. Examine the areas and conditions where the epoxy mosaic composition flooring is to be installed and notify the Architect of conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions have been corrected by the Contractor in a manner acceptable to the Architect.

B. Test for moisture vapor transmission per ASTM F1869. If emissions exceed 10 lbs notify Architect for instructions to install Vapor Control Primer 100 vapor control system.

C. Permanent lighting and HVAC are to be installed and operating at the time of installation of the Epoxy Mosaic Floor.

3.02 PREPARATION

A. Substrate: Perform preparation and cleaning procedures according to flooring manufacturer's instructions for particular substrate conditions involved, and as specified. Provide clean, dry, and neutral substrate for flooring application.

B. Concrete Surfaces: Shot blast, acid etch or power scarify as required to obtain optimum bond of flooring to concrete. Remove sufficient material to provide a sound surface free of laitance, glaze, efflorescence, and any bond inhibiting curing compounds or form release agents. Remove grease, oil, and other penetrating contaminants. Repair damaged and deteriorated concrete to acceptable condition. Leave surface free of dust, dirt, laitance, and efflorescence.

C. Materials: Mix resin hardener and aggregate when required, and prepare materials according to flooring system manufacturer's instructions.

3.03 APPLICATION

A. General: Apply each component of the vapor control primer and epoxy mosaic composition flooring system according to manufacturer's directions to produce a uniform monolithic flooring surface of thickness indicated.

B. Bond Coat: Apply vapor control primer over prepared substrate at manufacturer's recommended spreading rate.
C. Body Coat: Over primer, trowel apply epoxy mortar mix at nominal 1/4-inch thickness; hand or power trowel. Allow to cure before proceeding.

D. Grout Coats: Apply two coats of grout. Sand and inspect the surface for consistency.

E. Finish or Sealing Coats: After grout coats have cured sufficiently, apply finish coats of type recommended by flooring manufacturer to produce finish matching approved sample and in number of coats and spreading rates recommended by manufacturer.

   1. Final finish coat shall be in color and skid retardant profile as approved by the Architect.
   2. Finished floor shall be 1/4" thick, uniform in color and free of trowel marks.

F. Cove Base: Apply cove base mix to wall surfaces at locations shown to form cove base height of 4 inches unless otherwise indicated. Follow manufacturer's instructions and details including taping, mixing, priming, troweling, sanding, and top coating of cove base.

3.04 CURING, PROTECTION AND CLEANING

A. Cure epoxy mosaic composition flooring materials according to manufacturer's directions, taking care to prevent contamination during application stages and before completing curing process. Close application area for a minimum of 24 hours. Note full chemical/stain resistance of epoxies is not achieved for 7 days. Protect from cleaning and spills for 7 days.

B. Protect finished floor with rosin paper. Additionally, use masonite, if rolling load traffic exists.

C. Clean with manufacturer recommended cleaner.

END OF SECTION
THRU BLDG - TYP. ALL JOINTS SHALL BE RESTRAINED PER CITY PLANS & SPECIFICATIONS.

(n) PIV & FDC PER CITY STANDARD.

(n) 4" CONCRETE PAD W/ "GUARD SHACK" CLAM SHELL ENCLOSURE, MODEL GS-7.

(n) 6" FESCO DOUBLE CHECK DETECTOR ASSEMBLY, MODEL ASyst OR APPROVED EQUAL ASSEMBLY TO BE APPROVED BY WATER DISTRICT.

14
18
17
19

(n) BOLLARDS (QTY. 3)

CONNECT (n) 6" CS-900 FIRE PROTECTION LINE TO (E) WATER MAIN. PROVIDE 3 VALVE TEE @ CONNECTION POINT. REMOVE THE (E) WATER LINE PER CITY REQUIREMENTS. ENFORCEMENT PERMIT FROM CITY REQUIRED. IF THERE IS NO SHUTOFF VALVE FOR THIS LINE, COORDINATION WITH CITY FOR SHUTDOWN WILL BE REQUIRED.
CCTV ANALOG CAMERA RISER DIAGRAM

NOT TO SCALE
KERI SYSTEM ACCESS CONTROL ONE-LINE DIAGRAM

NOT TO SCALE
FIRE ALARM SITE PLAN

SCALE: 1" = 40'-0"

 SHEET NOTES

2 PROVIDE NEW 1 1/2" CONDUIT WITH (2) TYPE "B" CABLES FOR TAMPER AND FLOW TO NEW PIV. COORDINATE TRENCH AND PIV LOCATION WITH CIVIL.

3 CONNECT CABLES AT FLOW SWITCH MONITOR MODULE IN BOILER ROOM SHOWN ON SHEET FA2.01. (2) MODULES SHALL BE INSTALLED ADJACENT TO INTERIOR FIRE RISER.
SAN FRANCISCO PUBLIC SCHOOLS

2011 PROPOSITION A BOND PROGRAM
135 Van Ness Avenue
San Francisco, California 94108
Tel. (415) 541-0162
Fax (415) 541-8148

LCA ARCHITECTS INC.
CARL & GARDEN AVENUE, 200

450 RAYMOND AVENUE
SAN FRANCISCO, CA 94134

PROJECT NAME:
INTERIM HOUSING & MODERNIZATION

FIRE ALARM RISER DIAGRAM

ADD1 FA3.03.1

S.F. U.S.D. PROJECT NO.
11817

Sheet No.
Arch. Job No.
13060

Date
03/09/15

CHECKED BY

D.M. INCORPORATED
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Monterey, CA 93940
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03/08/15

Sheet No.

11817