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December 9, 2020

ADDENDUM No. 1

Cooper Middle School Multipurpose Room Flooring Installation Informal Bid No. 1105-40058

NOTICE TO ALL BIDDERS

This Addendum is attached to and made a part of the above entitled specifications for Fresno Unified School District with a scheduled bid opening on **December 15th** prior to 2:01 P.M. All changes and/or clarifications will appear in **bold** type and deletions will be struck out in revised sentences.

Incorporate the following into your bid response.

I. REFERENCE: SECTION 00 21 00-2 INFORMATION TO BIDDERS, JOB-WALK SIGN-IN SHEETS

Add: Incorporate Job-Walk Sign-in Sheet.

Attached is the Job-Walk Sign-In Sheet for the mandatory job-walk held on December 1, 2020, 10:00AM at Cooper Middle School. Only prime bidders are required to attend in order to be considered a responsive bidder.

II. SECTION 00 01 10-4 TABLE OF CONTENTS: TECHNICAL SPECIFICATIONS AND SITE MAP

Replace: Replace current Specification 096500 with attached Specification 096519 and update PVC sheet flooring with Resilient Tile Flooring on Site Map.

The current specified sheet vinyl, base bid material shall be replaced with 12" x 24" resilient tile per revised specification. The current Floor Finish Plan dated 10/27/2020, shall be updated to reflect Resilient Tile Flooring in lieu of PVC Sheet Flooring.

III. REFERENCE: REQUEST FOR INFORMATION (RFI)

Add: Incorporate into Bid response.

Q1. Who will be responsible to perform the moisture testing?

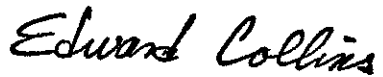
A1. Moisture testing will be the responsibility of District. Results of testing will be provided prior to project award. Add Alternate price as listed on Bid Form will be utilized if test results require specified Moisture Remediation.

ADDENDUM No. 1 (*continued*)
Cooper Middle School Multipurpose Room Flooring Installation
Informal Bid No. 1105-40058

Q.2. What flooring pattern and border size should be used?

A.2. "Brick" pattern shall be utilized for the entire floor. Border dimension as shown on current Floor Finish Plan shall be increased from 5 feet to 6 feet in width.

Acknowledge receipt and understanding of this addendum in designated area of the Bid Form.



Edward Collins
Executive Director of Purchasing

MANDATORY Pre-Bid Conference / Job Walk Sign-in Sheet

Informal Bid No. 1105-40058

Cooper Middle School Multipurpose Room Flooring Installation

Pre-Bid Conference Date: December 1, 2020 @ 10:00 A.M.

District Address	Conference Location	District Contact
Fresno Unified School District Purchasing Department 4498 N. Brawley Ave Fresno CA 93722	In front of the Administration Office of Cooper Middle School 2277 W. Bellaire Way Fresno, CA 93705	Ann Loorz, Purchasing Manager 4498 N. Brawley Ave Fresno, CA 93722 559-457-3582
Contractor Information		Phone Number
Company Name: <u>BETTER FLOORING</u>		(559) 233 - 2225
City: <u>FRESNO, CA</u>		Email
Contact Name: <u>ZACH STEWART</u>		<u>zach@betterflooringinc.com</u>
Contractor Information		Phone Number
Company Name: <u>Geary Floors</u>		(619) 993 - 0372
City: <u>El Cajon</u>		Email
Contact Name: <u>Sean Geary</u>		<u>Sean@gearyfloors.com</u>
Contractor Information		Phone Number
Company Name: <u>FUSD</u>		() -
City:		Email
Contact Name: <u>Ann Looz</u>		
Contractor Information		Phone Number
Company Name:		() -
City:		Email
Contact Name:		
Contractor Information		Phone Number
Company Name:		() -
City:		Email
Contact Name:		

MANDATORY Pre-Bid Conference / Job Walk Sign-in Sheet

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Contractor Information		Phone Number
Company Name: <u>DC 16 Tapat Painters & Allied Trades</u>		(559) 835 - 7830
City: <u>Fresno</u>		Email: <u>J.Rosales @ DC16-US</u>
Contact Name: <u>Juan Rosales</u>		
Contractor Information		Phone Number
Company Name: <u>Innovation Commercial Flooring</u>		(559) 1438 - 8800
City: <u>Fresno</u>		Email: <u>John@icflooring.com</u>
Contact Name: <u>John LeBlanc</u>		
Contractor Information		Phone Number
Company Name: <u>FUGO</u>		() -
City: _____		Email: _____
Contact Name: <u>KEVIN CAPP</u>		
Contractor Information		Phone Number
Company Name: _____		() -
City: _____		Email: _____
Contact Name: _____		
Contractor Information		Phone Number
Company Name: _____		() -
City: _____		Email: _____
Contact Name: _____		

SECTION 096519
RESILIENT TILE FLOORING

PART 1 – GENERAL

1.01 DESCRIPTION:

- A. Principal Work Items Are:
 - 1. High Performance Resilient Tile Flooring, Stair Treads and Risers.
 - 2. Resilient base.
 - a. At resilient flooring.
 - ~~b. At carpet flooring.~~
 - c. At fixed casework.
 - 3. Adhesives and primers.
 - 4. Accessories.
- B. Related Work Specified elsewhere:
 - 1. Section 07260 Vapor Retarders, Moisture Remediation.

1.02 SUBSTITUTIONS:

- A. Only written approval of F.U.S.D. will permit substitutions for materials specified.

1.03 SUBMITTALS

- A. Product Specification
- B. Specification for Adhesive
- C. Floor Layouts
- D. Samples
- E. Schedule
- F. Qualifications for Installer

1.04 CLOSEOUT SUBMITTALS

- A. Maintenance Instructions
- B. Warranty

1.05 QUALITY ASSURANCE

- A. Environmental: FloorScore® Certified
- B. Installer Qualifications: Installer who has been trained in the installation of resilient sheet flooring.

1.06 MATERIAL STORAGE AND HANDLING

- A. Store tiles on a flat surface and squarely on top of one another.
- B. Store away from vents and direct sunlight.

- C. When palletizing, first place a 5/8" or thicker plywood on the pallet. Stack 2 rows high side by side with no airspace between. Then quarter turn for 2 rows side by side. Do not exceed 12 boxes high. If you are stacking pallets, use a 1" thick plywood in between pallets.
- D. Store in protected dry conditions between 65 and 85 degrees.

1.07 SITE CONDITIONS

- A. The permanent HVAC system must be on for 7 days prior to, during and after installation between 65 and 85 degrees Fahrenheit or 18 to 29 degrees Celsius.
- B. Material and adhesive must be acclimated to the installation area for a minimum of 48 hours prior to installation.

1.08 PROJECT CONDITIONS:

- A. Substrate Conditions: Use the method described below to determine the dryness as required to ensure initial and long-term success.
 - 1. F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride:
 - a. This test method covers the quantitative determination of the rate of moisture vapor emitted from below-grade, on-grade, and above-grade (suspended) concrete floors.
 - b. Conduct one calcium chloride test for every 1,000 square feet (minimum 3 tests) to ensure concrete moisture emissions do not exceed 3 -5 lbs per 1,000 square feet within a 24-hour period.
 - 2. F2170 Standard Test Method for Determining Relative Humidity in Concrete Slab Using in situ Probes:
 - a. This test method covers the quantitative determination of percent relative humidity in concrete slabs for field or laboratory test.
 - b. Conduct one test for every 1,000 square feet (minimum 3 tests) to ensure concrete does not exceed 85% internal relative humidity.
 - 3. Alkalinity Testing: ASTM F710 Maximum pH of 9.9.
- ~~B. The General Contractor shall be responsible for insuring independent inspection of items 1, 2 and 3 above. The Contractor shall verify in writing to the Owner and Subcontractor, a minimum of thirty (30) days prior to scheduled resilient flooring installation, the following substrate conditions: Reference Section 01450~~
- C. Contingency for High Moisture Readings: If at the time of testing the moisture readings are in excess of manufacturer's recommendations the Contractor will initiate testing using petrographic core analysis to determine if the Water Cement Ratio and sufficient hydration has taken place. If the Specifications were not followed in their entirety, water/cement ratio (as specified), and or the concrete surface has been inadequately hydrated the Contractor responsible for the placement of the cement shall be responsible for the costs associated with the petrographic analysis and subsequent remediation requirements.

- D. Moisture Remediation: Basic Steps as follows:
1. Removal of all floor coverings, adhesive residue, curing compounds, parting compounds or other surface contaminants by mechanical means (shot-blasting, or other suitable method).
 2. Identification and treatment of all cracks and joints, by the sealer manufacturer's approved methods.
 3. Application of the sealer (Must be a product designed and warranted for the purpose of controlling excessive concrete moisture vapor emission and the alkali it may carry).
 4. Application of a sacrificial cementitious topping to act as a substrate for the installation of resilient floor coverings.
- E. Environmental Requirements/Conditions: In accordance with manufacturer's recommendations. Areas to receive flooring shall be clean, fully enclosed, weather tight with the permanent HVAC set at a uniform temperature of at least 68 degrees F (20 degrees C) 72 hours prior to and during and for not less than 48 hours after installation. The flooring material should be conditioned in the same manner.
- F. Close spaces to traffic during resilient flooring installation and for time period after installation recommended in writing by the manufacturer.
- G. Install resilient flooring material and accessories after other finishing operations, including painting, have been completed.
- H. Where demountable partitions and other items are indicated for installation on top of sheet resilient flooring material, install flooring material before these items are to be installed.

PART 2 – PRODUCTS

2.01 TESTING REQUIREMENTS

- A. Slip Resistance ASTM D2047: ADA Compliant
- B. Static Load Limit ASTM F970: 1500 psi
- C. Residual Indentation F1914: passes , 8%
- D. Flexibility ASTM F137: Passes
- E. Resistance to Heat ASTM F1514: Passes
- F. Resistance to Light ASTM F1515: Passes
- G. Resistance to Chemicals ASTM F925: Passes
- H. Radiant Flux ASTM E648: / 0.45 W/sq. cm., Class I
- I. Smoke Density ASTM E662: Passes, <450

2.02 RESILIENT TILE

- A. Manufacturer: Patcraft
- B. Product: CMYK, I426V
- C. Construction: High Performance Luxury Vinyl Plank
- D. Class ASTM F1700: Class III Printed Film Vinyl Plank
- E. Wear-layer Thickness: 20 mil (0.20 inches/.5 mm)
- F. Overall Thickness: 0.98 (2.5 mm)
- G. Nominal Dimensions: 12 inches W x 24 inches L (30.48 cm x 60.96 cm)

- H. Finish: ExoGuard+™
- I. Backing Class: Commercial Grade
- J. Installation: Glue
- K. Colors: Selected by FUSD

2.03 INSTALLATION MATERIALS

- A. Adhesives:
 - B. Shaw 4100 spreadable 95% RH 8 lbs pH 10
 - C. S150 spray 95% RH NA pH 11
 - D. Shaw 4151 for high moisture 99% RH 10 lbs. pH 12
 - E. Shaw 200 for low demand areas 85% RH 5 lbs pH 5-9
- F. Weld Rod
- G. Heat
- H. Chemical
- I. Primer: Shaw 9050
- J. Leveling and Patching Compounds: Use only Portland-based patching and leveling compounds. Do not install resilient flooring over gypsum-based patching and/or leveling compounds.
- K. Take Abatement Coating: Shaw 6200
- L. Barrier Coat Floor Encapsulation: Shaw 9000
- M. Cove Base Accessories:
- N. Angle Profile
- O. Detail Profile
- P. Quarter Round Profile
- Q. Floor Polish

2.04 RUBBER STAIR TREADS, RISERS AND SKIRTS

- A. Acceptable Manufacturers and Products:
 - 1. Stair Tread: The rubber stair tread shall be as manufactured by Burke Flooring Products Division of Burke Industries. Slip-resistant rubber treads shall have a 2" black adhesive strip which is embedded in the tread and shall be of first quality vulcanized rubber compound, and each tread shall be free of objectionable odors, blisters, cracks, or other imperfections which will detract from the serviceability and appearance of the tread. Stair treads shall conform to Federal Specifications 22-T. 001237 (GSA-FSS) Type II, Class 2, A and B and RR-T-650c, composition A, Types 1, 2 and 5.

PART 3 – EXECUTION

3.01 EXAMINATION

- A. Examine substrates, with Installer present, for compliance with requirements for maximum moisture content, pH, smoothness and level.

- B. Proceed with installation after any unsatisfactory conditions have been corrected.

3.02 PREPARATION

- A. Concrete substrates should be tested for Internal Relative Humidity according to ASTM F 2170 and must not exceed 90% RH.
- B. The PH of the concrete sub-floor must be between 7 and 10.
- C. Substrates shall be smooth, structurally sound, permanently dry, clean and free of all foreign material such as dust, wax, solvents, paint, grease, oils, old adhesive residue, curing and hardening/ curing compounds, sealers and other foreign material that might prevent adhesive bond.
- D. Concrete floors shall be flat and smooth within 1/8" in 6 feet or 3/16" in 10 feet.

3.03 INSTALLATION

- A. Install using conventional tile and plank installation techniques. Plank products should have a minimum of 6 to 8" seam stagger.
- B. Center rooms and hallways so borders are not less than half of a tile or plank.
- C. Work out of multiple boxes at the same time.
- D. In hallways and small spaces, work lengthwise from one end.
- E. Ensure cut edges are always against the wall.
- F. To cut products, score the top side of the material with a utility knife. Bend the product and finish the cut through the back side. It may be necessary to use a heat gun to cut around vertical obstructions. Allow the heated product to return to room temperature before installation.
- G. If you cut the product into a fine point, it may delaminate. Use an ethyl cyanoacrylate-based super glue to fuse the points together. Clean all glue from the top surface immediately. Alcohol-based super glues may cause the vinyl to swell.
- H. Roll the plank or tile with a 3-section 100 lb. roller. Re-roll the floor within the working time of the adhesive. Continue to roll the floor throughout the working day to ensure a proper bond.
- I. Use floor protection after installation. DO NOT use a plastic adhesive-based protection system.

3.04 WARRANTY

- A. Manufacturer's Warranty: Submit manufacturers standard warranty document.
- B. Warranty Period: Fifteen (15) year limited warranty commencing on date of substantial completion.

3.05 MAINTENANCE

- A. Initial Maintenance
 - A. Sweep, vacuum or dust mop to remove dirt and grit.

- B. If needed, add neutral cleaner to cool water following the manufacturer's instructions.
- C. Scrub with a low-rpm machine or auto scrubber. Use a red pad or brush.
- D. Never use brown or black pads (too aggressive and can damage the product)
- E. Remove the cleaning solution with a wet-dry vacuum or auto scrubber until the floor is dry.
- F. Rinse the floor with clean water. Repeat the rinse process if necessary to remove all haze.
- B. Routine Maintenance
 - 1. Sweep, vacuum or dust mop to remove dirt and grit.
 - 2. Add neutral pH cleaner to cool water following the manufacturer's instructions.
 - 3. As needed, scrub with a low-rpm machine or auto scrubber to retain appearance. Use a red (light scrubbing) pad and neutral cleaner following the manufacturer's instructions.
- C. Preventative Floor Care
 - 1. Use walk-off mats that are as wide as the doorway and long enough for soil load and weather conditions.
 - 2. Use mats with a non-staining backing.
 - 3. Floor protectors should be used on all furniture legs.
 - 4. The surface area of the floor protectors should be no less than 1" in diameter.
- D. Full maintenance instructions will be provided by the manufacturer.

END OF SECTION 09651