



PURCHASING DEPARTMENT

**ITB #50018-240035
ADDENDUM #1**

April 22, 2024

The purpose of this Addendum is to provide answers to questions that came up at the mandatory pre-bid meeting on April 18, 2024 at 11:00 AM. Please sign and date and return with your bid package.

Q. How many tubs will need replaced?

- Tub replacements – 15-20 tubs will be replaced

Q. How many tubs will be refurbished?

- 25-50 tubs will be refurbished

Q. Contractor asked, why does Richmond have a break down

- Richmond Hall page 19 should be one-line item for total cost. Do not breakdown cost

Q. Should the fixtures be replaced with new ones for Tiger Village refurbish and Richmond?

- Remove plumbing fixture replacement for Tiger Village tub refurbish and Richmond Bathroom refurbish. Old fixtures will be reapplied

Q. What kind of fixture is needed for Tiger Village Tub replacement?

- Tiger Village Tub replacement fixtures- Pfister Saxton Polished Chrome 1-handle Multi-function Round Shower Faucet Item #4928797 or equal

Q. How many types of units are in Richmond Hall?

- Richmond Hall has (3) handicap units, (8) two-bedroom units and (12) one-bedroom units

Q. There is no rate charge for refurbish bathrooms at Tiger Village listed.

- Add Rate Charge to refurbish Tiger Village bathrooms\$ _____

Q. What color for Tiger Village Refurbish?

- Tiger Village Tub Refurbish Color - Niagra

Q. What colors will Richmond Hall be and what process or would you like us to use latex paint?

- Richmond Hall Refurbish Color Request – Summit Grey and Smoke Cement

Addition

- The university has provided measurements of rooms but the Contractors shall be responsible for accurate measurements.

Surface Refinishing Specifications

Surface Refinishing Specifications for Glass, Porcelain, Tile, Vertical and Horizontal Surfaces

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Contractor requirements
- B. Definitions

1.01.1 REFINISHING CONTRACTOR REQUIREMENTS

- A. Surface refinishing contractor must have a proven track record and substantiated performance from colleges and universities that have used their refinishing process and must present references from said institutions upon request
- B. All refinishing of glass, porcelain, tile, fiberglass, cultured marble, laminate, acrylic, terrazzo and concrete block vertical and horizontal surfaces will utilize a surface refinishing process that creates a membrane over the surface and penetrates porous surfaces, i.e. grout and binds its components together.
- C. The process must not include the use of hydrofluoric acids to etch the surface and potentially expose contaminants to the air or chemical burns to the technician.
- D. All technicians must have completed a certified training and safety program.
- E. The refinishing company must be able to provide the architect/customer with choices of colors, finishes and textures.

1.01.2 DEFINITIONS

- A. Surface Refinishing: the restoration of an existing or created vertical or horizontal surfaces, consisting of porcelain, tile, fiberglass, cultured marble, laminate, acrylic, terrazzo or concrete block, to like new. May also be referred to as surface restoration or re-glazing.
- B. Step 1 & Step 2 cleaners: Proprietary cleaners used to create a neutral PH of 7 on the existing surface to ensure a bond between the old and newly applied surface.
- C. MM-4: A proprietary non-acid bonding agent used to assure adhesion of the coatings to the original surface.
- D. SRS: Slip resistant surface, applied as requested to shower pans and bathtub bottoms
- E. Natural Accents®: Proprietary water based stone look finish.
- F. Mira-Seal: A proprietary high tech epoxy designed to cure under water and is used to permanently seal leaking shower pans and tile flooring.
- G. Mira-Clear: A proprietary fast drying clear coat sealer that allows certain projects to be completed in one day.
- H. Clear coat: An application of an abrasive, water and chemical resistant urethane to create a watertight seal over the color finish.
- I. Mock-up: A sample of what the finished product will look like to be provided by the contractor and approved by the architect or property owner.
- J. Polyaspartic: An aliphatic polyurea, low VOC clear coat used when reduced odor and fast dry times are required

Surface Refinishing Specifications

- K. Antimicrobial clear coat. The final clear coat with a silver-ion additive to prevent the growth of harmful bacteria on the protected surface.

PART 2 PRODUCTS

2.01 SECTION INCLUDES

- A. Cleaners
- B. Bonding agent
- C. Mira Seal®
- D. Primers
- E. Natural Accents®
- F. Clear Coats

2.02 CLEANERS

Surface must be cleaned using a two-step process to physically and chemically remove soap film, scale, mineral deposits, body oil, grease and organic compounds. The two-step cleaners must create a neutral PH surface, which is critical to the bonding process.

2.03 BONDING AGENT

A proprietary bonding agent, i.e. MM-4®, specifically engineered to work on “glass” surface, such as ceramic tile and porcelain is required. The bonding agent should have an epoxy component that will ensure adhesion, or “bonding” on any hard surface, particularly “glass like” surfaces. Etching acids, such as hydrofluoric acid are not an acceptable substitute for a proven bonding agent

2.04 PRIMER

A two component, fast dry, high build polyamide epoxy primer, (tinted as needed) is required with a recommended 4-5 mil wet and 3.5 mil dry thickness when applied.

2.05 NATURAL ACCENTS®

Natural Accents is a unique multicolor topcoat system containing modified polymer particles suspended within a modified Terpolymer water phase composite. The product should be ready-to-spray using HVLP spray equipment. Adjustments to viscosity may be made with water, not to exceed 5% of total volume.

2.06 CLEAR COAT

The required solvent-based, multi-component, satin finish urethane clear coat is critical to the durability of the final product. It must meet the following requirements:

Rolled Steel Panel Test

Gloss	15+-5
Flexibility	¼” Mand. Passes- no cracks
Direct Impact	Pass 80 in. lbs. at mill dry film
Reverse Impact	Pass 80 in. lbs. at mill dry film
Immersion Test	5% detergent 7 hrs. No effect

PART 3 APPLICATIONS

3.01 SECTION INCLUDES

- A. Surface preparation: porcelain bathtub and tile
- B. Surface preparation: fiberglass, cultured marble, acrylic and laminate surfaces

Surface Refinishing Specifications

- C. Surface preparation: concrete & glazed block vertical & horizontal surfaces,
- D. Field conditions
- E. Mira-Seal use for leaking terrazzo/tile shower pans with Natural Accents
- F. Mira-Seal use with color accents for potential wet areas
- G. Asbestos Tile/Grout containment
- H. Safety

3.01.1 SURFACE PREPARATION PORCELAIN BATHTUB AND TILE SUROUNDS

- A. Lay down tarps to protect the floor.
- B. Mask areas around tub to protect any other surfaces from overspray
- C. Remove old caulk and overflow
- D. Set up UL approved exhaust fan and tubing (min 2000 cubic feet per minute) to vent odor and overspray safely out of the area.
- E. Strip off old coatings if the bathtub has been previously refinished. Wear protective clothing and use a fresh air respirator.
- F. Use a two-step cleaning process to remove all mineral deposits, soap scum, dirt and body oils from tub and tile surround. These proprietary two-step cleaners assure the necessary neutral PH level for proper adhesion of the finish coats.
- G. Have drain removed by licensed plumber, if necessary.
- H. Fill and repair any cracks or chips that can be seen or felt with a fingernail.
- I. **DO NOT USE** toxic etching acids or any form of hydrofluoric acid that can damage plumbing or harm the technician.
- J. Apply MM-4 bonding agent to ensure adhesion of new coating on porcelain or ceramic tile surface. The bonding agent consists of two components to create a chemical bond between the old surface and the new finish. Bonding agent will dry in less than two-minutes after application.
- K. Apply two coats of appropriately tinted primer over the MM-4 bonded surface.
- L. Apply slip resistant surface if desired or required.
- M. Mix odor neutralizer with topcoat as needed or requested.
- N. Spray on approximately 4-6 millimeters of acrylic enamel in 3-4 coats using a High Volume Low Pressure (HVLP) fine finish spray rig. Finish should be uniform in appearance and gloss without any runs, drips, rough spots, or orange peel. Color to match customer specifications.
- O. Allow coating to cure and hi-speed buff and polish finish as necessary to remove any dust bumps or imperfections. Finish should be smooth to the touch.
- P. Remove masking paper and clean job site.
- Q. Reinstall overflow
- R. Reinstall drain, if applicable
- S. Re-caulk as needed
- T. Provide a 1-year warranty against peeling or failure of adhesion
- U. Return to service in 24-hours

3.01.2 SURFACE PREP AND APPLICATION: Interior vertical and horizontal subway tile, glazed or concrete block vertical and horizontal surfaces

- A. Remove or mask unfinished louvers, grilles, covers and access panels on mechanical and electrical components.

Surface Refinishing Specifications

- B. Clean surfaces using a proven two-step process to remove dirt, grease and any other contaminant that may prevent adhesion of coatings.
- C. Mask all surfaces not to be refinished.
- D. Remove and repair all loose and missing grout.
- E. Fill and repair all cracked and damaged surfaces.
- F. Set up exhaust fan, (min 2000 cubic feet per minute) to vent odor out of the area.
- G. Treat all surfaces to be refinished with MM-4 non-acid bonding agent to ensure adhesion.
- H. Apply two or more coats of appropriately tinted epoxy primer to the bonded surface using a HVLP system to ensure even coats.
- I. Allow proper time for the primer coats to dry.
- J. Apply two or more coats of Natural Accents to the primed surface using a HVLP system to ensure even coats.
- K. Apply two to three coats of clear acrylic to protect the cured Natural Accents surface using a HVLP system to ensure even coats.
- L. Remove masking paper; replace louvers, grilles, covers and access panels. Clean job site.
- M. Return to service in 24-hours

3.01.3 FIELD CONDITIONS

- A. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the coating's manufacturer. Minimum 60 degrees for interiors
- B. Follow recommended procedures for producing best results, i.e. masking, cleaning, ventilation, and use of MM-4, repairs, best primers and topcoats.
- D. Must have adequate lighting level of 80 ft. candles measured mid-height at substrate surface and electricity in each unit.
- E. Water must be available within 15 feet of working area.

3.01.4 POLYASPARTIC COATINGS

A two-part polyaspartic, very low VOC clear coat that can be used for indoor applications. It is available only in high gloss and is used as a clear coat over Natural Accents. It has excellent impact and wear resistance, and good chemical and stain resistance as well as low odor and rapid return to service capability.

- A. Maintain all masking and ventilation in the project area used in the Natural Accents application process
- B. The Natural Accents color coat must be completely dry
- C. Apply polyaspartic coating to room edges using a small roller and brush
- D. Apply polyaspartic coating with rollers starting at the far end of the floor working towards the exit. It is critical to have enough manpower to stay ahead of the Polyaspartics quick dry time to insure an even application
- E. The polyaspartic coating will dry to the touch and be able to walk on in one to two hours
- F. Remove masking and clean job site
- G. Return to service
- H. Note: While polyaspartics have a fast dry time, total cure can take up to five days. It is recommended that heavy objects not be put back until the surface has completely cured.

Surface Refinishing Specifications

3.01.5 Antimicrobial Option

Coatings containing silver-ion infused additive can provide 24/7 protection for refinished floors, walls, showers as well as other restroom, kitchen and athletic facility surfaces that may be prone to bacterial growth. The silver-ion additive is dispersed and becomes an integral part of the coating. When bacteria come in contact with the protected surface, the silver-ions prevent them from growing, producing energy or replicating, therefore they die,; inhibiting product degradation, discoloration or odors. Silver is a natural, inorganic and non-leaching product, which means that, unlike organic antimicrobial technologies, it stays within the coating and does not leach out. The controlled release of the active ingredient provides maximum antimicrobial protection for the lifetime of the coated surface, as long as it remains intact.

- A. Silver is a natural antimicrobial and has been used to protect surfaces from several species of pathogenic bacteria, including Staphylococcus Aureus, Campylobacter, MRSA, E coli, Legionella, Listeria, Salmonella and others.
- B. Silver-ion's antimicrobial effectiveness lasts a lifetime as long as the coating is intact
- C. The antimicrobial coating will not change the look, feel, smell or performance of the coating.

3.01.6 SAFETY

- A. The contractor must conform to all safety guidelines and parameters required by architect or contractor and must provide architect or contractor with MSDS sheets and a copy of its respiratory safety program upon request.
- B. Technicians are required to wear gloves, safety goggles and use proper respirator equipment as outlined in their Safety Manual during the refinishing process.
- C. Technicians may be required to adhere to additional safety standards as dictated by contractor.

SIGN _____ DATE _____

GSU MANDATORY PRE-BID SIGN IN SHEET

Project No. 50018-240035 Resident Hall Bathroom Renovations

PLEASE PROVIDE INFORMATION REQUESTED IN EACH SECTION

DATE AND TIME:		AM/PM	PLEASE PRINT LEGIBLY		Gen Cont	Sub Cont	LA CONTRACTOR LICENSE NO.	PHONE NUMBER & FAX NUMBER	Page _____ of _____
PRINT NAME	Sign In Time	Sign Out Time	COMPANY NAME/ADDRESS					EMAIL	
Thursday, April 18, 2024 at 11:00am									
Charles Allen	10:38	12:15	Joe Banks Flooring						
Chris Steele	10:40	12:15	Joe Banks						
Rodney Simmons	10:43	12:15	Mechanical Systems	✓			318-594-8535	estimating@mechsys.net	
Neill E. Lewis	10:45	12:15	Drying Flooring		✓		318-331-6910	Neill@jedupny.com	
Tyler Ragan	10:45	12:15	Ragan Builders	✓		352013	318-372-5725	tylereraganbuilders.net	
George Stowell	10:48	12:15	Triad	✓		71436-23029	318-255-2341	george@triadreston.com	
Eddie Navarro	10:50	12:15	Miracle Method				361-765-8650	ENavarro@MiracleMethod.com	
Carnelia Buford	10:57	12:15	GSU					buford@gsu.edu	
Adrian White	10:58	12:15	Test Bench			54158		adrian.white@ggsu@yahoo.com	
Holman Miles	10:59	12:15	Asu Purchasing						