baalman architects

Addendum No. 1

To: **All Contractors**
Date: March 7, 2022
Re: **Lincoln County Ambulance District**
Administration & Base Station 1 Renovation & Addition
1392 S. Third
Troy, Missouri 63379

The following Drawing and/or Project Manual Specification clarifications, additions or alterations modify and supersede previously issued documents in reference to the above project. Acknowledge receipt of this Addendum on your Bid Form.

IMPORTANT: This addendum and all bidding construction documents represent a comprehensive scope of work. It is each contractor's responsibility to reference all drawings, specifications and addendums to verify their respective scope of work.

CLARIFICATIONS & SPECIFICATIONS:

1. The bid due date remains as **Wednesday, March 16, 2022 no later than 2:00pm.**
2. LCAD to move furniture and wall hangings in each room as necessary before construction work begins.
3. Contractor to secure Builder's Risk Insurance.
4. Sprinkler Contractor to provide signed/sealed drawings to the city and fire district. LCAD will pay for the permit fee.
5. LCAD will pay for any special inspections required by the city.
6. Contractor to provide a one-year warranty for all workmanship on the project and provide warrantees per manufacturer products.
7. Listing of Major Subcontractors.
8. Tnemec Deco-Tread Series 222 Epoxy Flooring Product Data Sheet.

DRAWINGS:

1. Sheet A0, Cover Sheet
   a. Code Data Summary revisions per Lincoln County Fire Protection District.
   b. Contractor's Note revision per Lincoln County Fire Protection District.
   c. Site General Note revision per Lincoln County Fire Protection District.

2. Sheet D1, Demolition Plan
   a. Demolition Keyed Notes revisions and additions.

3. Sheet A1, Floor Plan
   a. Added General Notes 11 and 12.
   b. Revised the Floor Plan for the 2-hr fire barrier to include 2 layers of gypsum board on the inside walls of the Laundry Room and Storage Room.
   c. Added Partition Type 5.

4. Sheet A2, Floor Plan
   a. Added Reflected Ceiling Plan Notes 6 and 7.
   b. Added clarification for the ceiling fans.
   c. Added notes for the gypsum board ceiling at the Mezzanine.
   d. Clarification, there are two ceiling fans in the Day Room.

5. Sheet A3, Exterior Elevations
   a. Clarification for the new and replacement windows to be vinyl in lieu of aluminum.
   b. Clarification, the existing vinyl siding to be re-used, if possible, for the infill area by the new rear door.

6. Sheet A4, Floor Plan
   a. Added a Typical Concrete Patio & Sidewalk Detail 5.

7. Sheet A5, Interior Elevations & Details & Door Schedule
   a. Revised Door Schedule to include existing doors.
   b. Added a Hardware Schedule and removed the Hardware Allowance.
   c. Clarified the solid surface countertop and vanity top areas.

8. Sheet A6, Finish Plan
   a. Clarifications on the Room Finish Schedule.
   b. Revisions and clarifications on the Finish Specifications.

9. Sheet A7, Mechanical, Electrical & Plumbing Systems
   a. Added Note 12 on the Mechanical General Notes per Lincoln County Fire Protection District.
   b. Added Notes 5 and 6 on the Electrical General Notes per Lincoln County Fire Protection District.
   c. Added Note 4 on the Design-Build Automatic Sprinkler System Notes per Lincoln County Fire Protection District.
   d. Added water lines for all of the refrigerators.
   e. Added HD-1 Hood specifications to the Mechanical Equipment.

End of Addendum No. 1

LISTING OF MAJOR SUBCONTRACTORS

All subcontracts with a value in excess of $5,000 must be listed. You may list more than one sub-contractor per trade.

PROJECT: LINCOLN COUNTY AMBULANCE DISTRICT, Administration and Base Station 1

	TYPE OF WORK	NAME OF FIRM
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TNEMEC

PRODUCT DATA SHEET

DECO-TREAD® SERIES 222

PRODUCT PROFILE

GENERIC DESCRIPTION Modified Polyamine Epoxy

COMMON USAGE A low ambering, multi-purpose epoxy coating that can be used as a primer, broadcast, slurry/broadcast, mortar, grout coat, and topcoat. It provides excellent application properties with good flow and self-leveling characteristics and protects concrete surfaces from impact, abrasion and mild chemicals with an aesthetically pleasing appearance.

COLORS Supplied as a clear coat, may be field tinted with Series 821 in 16 StrataShield colors. Contact your Tnemec representative for additional information. Decorative Quartz is available in 12 standards colors, refer to the StrataShield Decorative Quartz Color card for more information. Custom colors are also available. **Note:** Epoxies chalk and yellow with age, extended exposure to UV and artificial lighting. Lack of ventilation, incomplete mixing, miscatalyzation or the use of heaters that emit carbon dioxide and carbon monoxide during application and initial stages of curing may cause amine blush, possibly affecting adhesion of subsequent topcoats.

COATING SYSTEM

SURFACER/FILLER/PATCHER Series 206, 215. **Note:** A repair kit of 201, with Part C fumed silica, is available for small patching/surfacing repairs. For more extensive repairs and additional information, contact your Tnemec representative or Tnemec Technical Services.

PRIMERS **Concrete:** Self-priming or Series 201, 208, 241.

TOPCOATS Series 247, 248, 256, 284, 285, 294, 295, 296. **Note:** If Series 247, 248, 285, 294, 295 or 296 is selected for the finish coat, an intermediate coat of Series 284 is required. Refer to the StrataShield Installation and Application guide for floors.

SURFACE PREPARATION

Prepare surfaces by method suitable for exposure and service. Refer to the appropriate primer data sheet for specific recommendations.

CONCRETE Allow new poured-in-place concrete to cure a minimum of 28 days at 75°F (24°C). Verify concrete dryness in accordance with ASTM F 1869 "Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride" (moisture vapor transmission should not exceed three pounds per 1,000 square feet in a 24 hour period), F 2170 "Standard Test Method for Determining Relative Humidity in Concrete using in situ Probes" (relative humidity should not exceed 80%), or D 4263 "Standard Test Method for Indicating Moisture in Concrete by the Plastic Sheet Method" (no moisture present). **Note:** The testing listed above cannot guarantee avoidance of future moisture related problems particularly with existing concrete slabs. This is especially true if the use of an under slab moisture vapor barrier cannot be confirmed or concrete contamination from oils, chemical spills, unreacted silicates, chlorides or Alkali Silica Reaction (ASR) is suspected.

Prepare concrete surfaces in accordance with NACE No. 6/SSPC-SP13 Joint Surface Preparation Standards and ICRI Technical Guidelines. Abrasive blast, shot-blast, water jet or mechanically abrade concrete surfaces to remove laitance, curing compounds, hardeners, sealers and other contaminants and to provide a minimum ICRI-CSP 3 or greater surface profile. Large cracks, voids and other surface imperfections should be filled with a recommended filler or surfacer. **Note:** For moisture content exceeding 3 lbs per 1,000 sq ft or relative humidity in excess of 80%, Series 208 or 241 may be substituted for the primer. Refer to the Series 208 or 241 product data sheet for more information.

ALL SURFACES Must be clean, dry and free of oil, grease and other contaminants.

TECHNICAL DATA

VOLUME SOLIDS 100% (mixed)

RECOMMENDED DFT Minimum of 1/8". Requires two broadcast applications at 1/16" each or applied as a slurry broadcast.

CURING TIME

Temperature	To Topcoat/Broadcast	To Place in Service
75°F (24°C)	12 to 24 hours	24 hours

Note: If more than 24 hours have elapsed between coats, the coated surface must be mechanically abraded before topcoating. **Note:** There is no maximum recoat time if aggregate has been broadcast to refusal into the preceding coat. Curing time varies with surface temperature, air movement, humidity and film thickness.

VOLATILE ORGANIC COMPOUNDS **Unthinned:** 0.13 lbs/gallon (15 grams/litre)

THEORETICAL COVERAGE 1,604 mil sq ft/gal (39.4 m²/L at 25 microns). See APPLICATION for coverage rates.

NUMBER OF COMPONENTS Three—Liquids: Part A & Part B (2 Parts A to 1 Part B by volume). Colored quartz: Part C
The Part C colored quartz (ChromaQuartz) is available from Tnemec or can be purchased from a different supplier.
Field Colorant - One: (optional) Series 820

PACKAGING

	PART A	PART B	Yield (mixed)
Extra Large Kit	2-55 gallon drums	1-55 gallon drum	165 gallons
Large Kit	2-5 gallon pails	1-5 gallon pail	15 gallons
Small Kit	2-1 gallon cans	1-1 gallon can	3 gallons

The Part C colored quartz aggregate is based on a nominal amount calculated at one-half pound per sq ft (2.4 kg/m²) per broadcast application or one pound per sq ft (4.8 kg/m2) for a double broadcast. Additional colored quartz aggregate may be required to accommodate for waste or loss during application or to make coving material.
Colorant: Series 820 field applied colorants are available in quart and gallon containers from Tnemec in 16 StrataShield colors and certain custom colors. Colorants should be added at 4 oz. to 8 oz. per gallon of mixed clear liquids for intermediate or base coats and up to 8 oz. per gallon for finish coats. **Note:** Color consistency and hiding may vary based on the color selected and amount of colorant used.

NET WEIGHT PER GALLON 9.33 ± 0.25 lbs (4.23 ± .11 kg) mixed

STORAGE TEMPERATURE Minimum 40°F (4°C) Maximum 90°F (32°C)

TEMPERATURE RESISTANCE	(Dry) Continuous 250°F (121°C) Intermittent 275°F (135°C)
SHELF LIFE	12 months at recommended storage temperature.
FLASH POINT - SETA	N/A
HEALTH & SAFETY	This product contains chemical ingredients which are considered hazardous. Read container label warning and Material Safety Data Sheet for important health and safety information prior to the use of this product. **Keep out of the reach of children.**

APPLICATION

COVERAGE RATES	Before commencing, obtain and thoroughly read the StrataShield Installation and Application Guide for floors. The mixed liquids (Part A and B) are spread at a rate of 80 sq ft (7.4 m²) per gallon or approximately 20 mils (510 microns) wet. The colored quartz aggregate is then broadcast into the liquid until a uniformly dry appearance is obtained. After the first broadcast layer cures, forming a thickness approximately 1/16" (1.6 mm) thick, the excess colored quartz is removed and a second application is repeated to obtain a minimum thickness of 1/8" (3.2 mm). **Note:** A double broadcast is required to achieve the 1/8" (3.2 mm) minimum. For slurry application instructions and spreading rates contact your Tnemec representative.
MIXING	Use a variable speed drill with a PS Jiffy blade. Slowly mix 2 parts A component, and while under agitation add 1 part B component and mix for a minimum of two minutes. Ensure that all Part B is blended with Part A by scraping the pail walls with a flexible spatula. **Note:** A large volume of material will set up quickly if not applied or reduced in volume. **Caution: Do not reseal mixed material. An explosion hazard may be created.** **Field Colorant:** Mix thoroughly using a variable speed drill with a PS Jiffy blade at a rate of 4 oz. to 8 oz. per gallon of mixed liquids.
THINNING	Normally not required.
POT LIFE	25 to 30 minutes at 75°F (24°C)
APPLICATION EQUIPMENT	Squeegee or trowel and backroll. For detailed instructions, refer to the StrataShield Installation and Application Guide for floors.
SURFACE TEMPERATURE	Minimum of 55°F (13°C), optimum 65°F to 80°F (18°F to 27°C), maximum of 90°F (32°C). The substrate temperature should be at least 5°F (3°C) above the dew point. To avoid outgassing, concrete temperature should be stabilized or in a descending temperature mode. Material should not be applied in direct sunlight.
MATERIAL TEMPERATURE	For optimum application, handling and performance, the material temperature during application should be between 70°F and 90°F (21°C and 32°C). Temperature will affect the workability. Cool temperatures increase viscosity and decrease workability. Warm temperatures will decrease viscosity and shorten pot life.
CLEANUP	Flush and clean all equipment immediately after use with xylene or MEK.