

ADDENDUM NO. ONE

DATE: December 14, 2018
FROM: Lavin Architects
TO: Plan Holders of Record
PROJECT: Toot' N Totum
311 23rd St.
Canyon, Texas 79015



This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated November 30, 2018. Work not specifically deleted, modified, changed or altered by the Addendum should remain in effect as part of the Contract Documents. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

CLAIRIFICATION:

1. **Specification Section 07412** – flush panels to be 12” in lieu of 18”.
2. **Specification Section 07552** – all roof insulation to be fastened. No adhered insulation in exposed deck areas.

IN THE SPECIFICATIONS:

- 08711** Section 3.3 Door Hardware Sets – Doors 101 & 102 – omit closer and step n pull at each door.
- 09402** Terrazzo Flooring – See attached specification.

ON THE DRAWINGS:

- Sheet C6.1** 1. Note 1: Add fibermesh reinforcing to light duty paving
- Sheet A2.1** 1. AL-4 to be Ready Access to be “600 Series” with $\frac{3}{4}$ ” insulated glazing in lieu of “275 Series” w/ $\frac{1}{4}$ ” glazing.
2. Terrazzo to be in Retail Area 100, Women 101 (with 4” cove base), Men 102 (with 4” cove base), Janitor 103, Beer Cave 104, Drive-up Cashier 107, and Cashier 109. Provide 4’x4’ Toot ‘n Totum “drop” logo to be in Retail Area 100 (location to verified).
- Sheet A4.1** 1. Referenced Elevation Notes #5 – see site plan note 12 for finish and details.
- Sheet A5.1** 1. Detail 5/A5.1 – 15# NAILABLE FELTS OVER $\frac{3}{4}$ ” EXTERIOR GRADE PLYWD. ON to be on “2x6 STUDS AT 16” O.C.” in lieu of “16 GA. 6” MTL. STUDS”. No metal studs on the project.
2. Detail 5/A5.1 – omit any notes of painted CMU - see specifications for CMU
3. Soffit and fascia above entrance to be 24 ga. prefinished metal with drip, 22 ga. continuous metal cleat. Color to match metal roof. Caulk between break metal and cmu.

Electrical: See attached electrical addendum

ADDENDUM NO. ONE



Attachments:

Architectural Addendum #1

(6) – 8.5x11 sheets

Electrical Addendum #1

(1) – 8.5x11 sheet

END OF ADDENDUM NO. 1



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Daniel McCracken, P.E.
Michael Ferry, Electrical Designer

Ryan Miller
Lavin Architects
Amarillo, Tx
12/14/2018

Re: Toot-N-Totum Addendum #1

Dear Ryan;

Please note the following electrical items for Addendum #1:

- The catalog number for the wallpacks Type WL1 is Lithonia WSQ LED 2 10A700/50K MVOLT DWHGXD
- Add two type H1 fixtures in the main entry canopy – one on each side of the type H1 fixture shown centered in the doors.

Sincerely,

A handwritten signature in blue ink that reads "Daniel G. McCracken". The signature is fluid and cursive, with a long horizontal stroke at the end.

Spectrum Engineering

SECTION 09402 - RESINOUS MATRIX TERRAZZO FLOORING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes thin-set, epoxy-resin terrazzo flooring.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: Include terrazzo installation requirements. Include plans, elevations, sections, component details, and attachments to other work.
- C. Samples: For each exposed product and for each color and texture specified.

1.3 CLOSEOUT SUBMITTALS

- A. Maintenance data.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Engage an installer who is a contractor member of NTMA.
- B. Mockups: Build mockups to verify selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.

1.5 FIELD CONDITIONS

- A. Environmental Limitations: Comply with manufacturer's written instructions for substrate temperature, ambient temperature, moisture, ventilation, and other conditions affecting terrazzo installation.
- B. Control and collect water and dust produced by grinding operations. Protect adjacent construction from detrimental effects of grinding operations.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. NTMA Standards: Comply with NTMA's "Terrazzo Specifications and Design Guide" and with written recommendations for terrazzo type indicated unless more stringent requirements are specified.
- B. FloorScore Compliance: Terrazzo floors shall comply with requirements of FloorScore Standard.
- C. Low-Emitting Materials: Flooring system shall comply with the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers."

2.2 EPOXY-RESIN TERRAZZO

- A. Epoxy-Resin Terrazzo: Comply with NTMA's "Terrazzo Specifications and Design Guide" and manufacturer's written instructions for matrix and aggregate proportions and mixing.
 - 1. Products: Subject to compliance with requirements, **provide one of the following**
 - a. Crossfield Products Corp., Dex-O-Tex Division; Terrazzo.
 - b. General Polymers Corporation; Terrazzo 1100.
 - c. Key Resin Company; Key Epoxy Terrazzo.
 - d. Master Terrazzo Technologies LLC; Morricite.
 - e. Quadrant Chemical Corporation; Quadset Epoxy Terrazzo.
 - f. TEC Specialty Construction Brands, Inc.; Tuff-Lite Epoxy Terrazzo.
 - g. Terrazzo & Marble Supply Companies; Terroxy Resin Systems.
 - 2. Thickness: **3/8 inch (9.5 mm)** nominal.
 - 3. Mix Color and Pattern: **As selected by Architect from full range of industry colors**
- B. Materials:
 - 1. Flexible Reinforcing Membrane: Manufacturer's resinous membrane **with fiberglass scrim** for substrate-crack preparation and reflective-crack reduction **provided under entire Terrazzo floor.**
 - 2. Primer: **Manufacturer's product recommended for substrate and use indicated**
 - 3. **Moisture/ Vapor Barrier: Manufacturer's product recommended for substrate provided under entire Terrazzo floor.**
 - 4. Epoxy-Resin Matrix: **Manufacturer's standard recommended for use indicated** and in color required for mix indicated.
 - a. Physical Properties without Aggregates:

- 1) Hardness: 60 to 85 per ASTM D 2240, Shore D.
- 2) Minimum Tensile Strength: **3000 psi (20.7 MPa)** per ASTM D 638 for a **2-inch (51-mm)** specimen made using a "C" die per ASTM D 412.
- 3) Minimum Compressive Strength: **10,000 psi (6.9 MPa)** per ASTM D 695, Specimen B cylinder.
- 4) Chemical Resistance: No deleterious effects by contaminants listed below after seven-day immersion at room temperature per ASTM D 1308.
 - a) Distilled water.
 - b) Mineral water.
 - c) Isopropanol.
 - d) Ethanol.
 - e) 0.025 percent detergent solution.
 - f) 1.0 percent soap solution.
 - g) 10 percent sodium hydroxide.
 - h) 10 percent hydrochloric acid.
 - i) 30 percent sulfuric acid.
 - j) 5 percent acetic acid.
- b. Physical Properties with Aggregates: For resin blended with Georgia white marble, ground, grouted, and cured per requirements in NTMA's "Terrazzo Specifications and Design Guide"; comply with the following:
 - 1) Flammability: Self-extinguishing, maximum extent of burning **1/4 inch (6.35 mm)** per ASTM D 635.
 - 2) Thermal Coefficient of Linear Expansion: **0.0025 inch/inch per deg F (0.0025 mm/mm per 0.5556 deg C)** for temperature range of **minus 12 to plus 140 deg F (minus 24 to plus 60 deg C)** per ASTM D 696.
5. Aggregates: Comply with NTMA gradation standards for mix indicated and contain no deleterious or foreign matter.
 - a. Abrasion and Impact Resistance: Less than 40 percent loss per ASTM C 131.
 - b. 24-Hour Absorption Rate: Less than 0.75 percent.
 - c. Dust Content: Less than 1.0 percent by weight.
6. Finishing Grout: Resin based.

2.3 STRIP MATERIALS

- A. Thin-Set Divider Strips: L-type angle, **1/4 inch (6.4 mm)** deep.
 1. Material: **Zinc Alloy**
 2. Top Width: **16 Gauge**
- B. Control-Joint Strips: Separate, double L-type angles, positioned back to back, that match material and color of divider strips and in depth required for topping thickness indicated.
- C. Accessory Strips: Match divider-strip width, material, and color unless otherwise indicated. Use the following types of accessory strips as required to provide a complete installation:

1. Base-bead strips for exposed top edge of terrazzo base.
2. Edge-bead strips for exposed edges of terrazzo.

2.4 MISCELLANEOUS ACCESSORIES

- A. Strip Adhesive: Epoxy-resin adhesive recommended by adhesive manufacturer for this use.
1. Adhesives shall have a VOC content of 70 g/L or less when calculated according to 40 CFR 59, Subpart D (EPA Method 24).
 2. Adhesives shall comply with the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers."
- B. Strip Anchoring Devices: Provide mechanical anchoring devices or adhesives for strip materials as recommended by manufacturer and required for secure attachment to substrate.
- C. Patching and Fill Material: Terrazzo manufacturer's resinous product approved and recommended by manufacturer for application indicated.
- D. Joint Compound: Terrazzo manufacturer's resinous product approved and recommended by manufacturer for application indicated.
- E. Resinous Matrix Terrazzo Cleaner: Chemically neutral cleaner with pH factor between 7 and 10 that is biodegradable, phosphate free, and recommended by sealer manufacturer for use on terrazzo type indicated.
- F. Sealer: **Slip- and stain-resistant, penetrating-type sealer that is chemically neutral; does not affect terrazzo color or physical properties; is recommended by sealer manufacturer; and complies with NTMA's "Terrazzo Specifications and Design Guide" for terrazzo type indicated**
1. Surface Friction: Not less than 0.6 according to ASTM D 2047.
 2. Acid-Base Properties: With pH factor between 7 and 10.
 3. Sealers shall have a VOC content of 200 g/L or less when calculated according to 40 CFR 59, Subpart D (EPA Method 24).

PART 3 - EXECUTION

3.1 PREPARATION

- A. Clean substrates of substances, including oil, grease, and curing compounds, that might impair terrazzo bond. Provide clean, dry, and neutral substrate for terrazzo application.
- B. Concrete Slabs:
1. Provide sound concrete surfaces free of laitance, glaze, efflorescence, curing compounds, form-release agents, dust, dirt, grease, oil, and other contaminants incompatible with terrazzo.

- a. Shot-blast surfaces with an apparatus that abrades the concrete surface, contains the dispensed shot within the apparatus, and recirculates the shot by vacuum pickup.
 - b. Repair damaged and deteriorated concrete according to terrazzo manufacturer's written recommendations. **Install flexible reinforcing membrane at substrate cracks in areas to receive terrazzo.**
 - c. Use patching and fill material to fill holes and depressions in substrates according to terrazzo manufacturer's written instructions.
- C. Verify that concrete substrates are dry and moisture-vapor emissions are within acceptable levels according to manufacturer's written instructions.
1. Moisture Testing: Test for moisture content by **method recommended in writing by terrazzo manufacturer**. Proceed with installation only after substrates pass testing.

3.2 EPOXY-RESIN TERRAZZO INSTALLATION

- A. Comply with NTMA's written recommendations for terrazzo and accessory installation.
- B. Place according to manufacturer's written instructions and NTMA's "Terrazzo Specifications and Design Guide."
- C. Installation Tolerance: Limit variation in terrazzo surface from level to **1/4 inch in 10 feet (6.4 mm in 3 m)**; noncumulative.
- D. Primer: Apply to terrazzo substrates according to manufacturer's written instructions.
- E. Strip Materials:
1. Divider and Control-Joint Strips:
 - a. Locate divider strips **in locations indicated**
 - b. Install control-joint strips - **Submit a recommended control joint plan in conjunction with indicated pattern for approval by architect.**
 - c. Install control-joint strips with [**1/4-inch (6.4-mm)**] gap between strips, and install sealant in gap.
 - d. Install strips in adhesive setting bed without voids below strips, or mechanically anchor strips as required to attach strips to substrate, as recommended by strip manufacturer.
 2. Accessory Strips: Install **as required to provide a complete installation**
 3. Abrasive Strips: Install with surface of abrasive strip positioned **1/16 inch (1.6 mm)** higher than terrazzo surface.
- F. Repair: Cut out and replace terrazzo areas that evidence lack of bond with substrate. Cut out terrazzo areas in panels defined by strips and replace to match adjacent terrazzo, or repair panels according to NTMA's written recommendations, as approved by Architect.

3.3 CLEANING AND PROTECTION

A. Cleaning:

1. Remove grinding dust from installation and adjacent areas.
2. Wash surfaces with cleaner according to NTMA's written recommendations and manufacturer's written instructions; rinse surfaces with water and allow them to dry thoroughly.

B. Sealing:

1. Seal surfaces according to NTMA's written recommendations.
2. Apply sealer according to sealer manufacturer's written instructions.

C. Protection: Provide final protection and maintain conditions, in a manner acceptable to Installer, that ensure that terrazzo is without damage or deterioration at time of Substantial Completion.

END OF SECTION 09402