

DOCUMENT 009113 – ADDENDUM NO. 3

## PART 1 - GENERAL

## 1.1 ADDENDUM

- A. Addendum No. 3.

## 1.2 PROJECT INFORMATION

- A. Project Name: Optimist Pool Bathhouse Repair
- B. Owner: City of Raleigh, Recreation and Cultural Resources/Design Development Division
- C. Architect: Osterlund Architects, PLLC.
- D. Architect Project Number: 2325.
- E. Date of Addendum: 3-5-2024.

## 1.3 NOTICE TO BIDDERS

- A. This Addendum is issued to all registered plan holders pursuant to the Instructions to Bidders and Conditions of the Contract. This Addendum serves to clarify, revise, and supersede information in the Project Manual, Drawings, and previously issued Addenda. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.
- B. The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.
- C. The date for receipt of bids is unchanged by this addendum, all bids due according to Invitation to Bid to March 7, 2024 at 2 pm.

## 1.4 ATTACHMENTS

- A. This Addendum includes the following attached Documents and Specification Sections:
  - 1. Section 090561 Common Work Results for Flooring Preparation 2325 ADD 3 dated 3-6-2023. (new)
    - a. Revised Paragraph 1.7 to include 10 year warranty for Moisture Mitigation System.
    - b. Revised Paragraph 2.1 to include Dry Sand #20 in place of Uzin PE 280 Primer.
    - c. Revised Paragraph 3.7 to include manufacturer's application instructions for grit

sand application.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF DOCUMENT 009113

## SECTION 090561 – COMMON WORK RESULTS FOR FLOORING PREPERATION

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section Includes:
  - 1. This section applies to all floors identified in the contract documents as to receive the following types of floor coverings:
    - a. Resinous Flooring
  - 2. Preparation of new and existing concrete floor slabs for installation of floor coverings.
  - 3. Testing of concrete floor slabs for moisture and alkalinity (pH).

#### 1.3 REFERENCES

- A. ASTM C109/C109M - Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or (50-mm) Cube Specimens); 2013.
- B. ASTM F710 - Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring;
- C. ASTM F2170 - Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes; 2011.
- D. ASTM F3010 – “standard Practice for Two-Component Resin Based Membrane-Forming Moisture Mitigation Systems for use Under Resilient Floor Coverings.
- E. RFCI (RWP) - Recommended Work Practices for Removal of Resilient Floor Coverings; Resilient Floor Covering Institute; October 2011.

#### 1.4 ACTION SUBMITTALS

- A. Visual Observation Report: For existing floor coverings to be removed.
- B. Floor Covering and Adhesive Manufacturer’s Product Literature: For each specific combination of substrate, floor covering and adhesive to be used; showing:
  - 1. Moisture and alkalinity (pH) limits and test methods.

2. Manufacturer's required bond/compatibility test procedure.

C. Adhesive Bond and Compatibility Test Report

#### 1.5 DELIVERY, STORAGE, AND HANDLING

A. Deliver, store, handle, and protect products in accordance with manufacturer's instructions recommendations.

B. Deliver materials in manufacturer's packaging; include installation instructions.

C. Keep materials from freezing.

#### 1.6 FIELD CONDITIONS

A. Maintain ambient temperature in spaces where concrete testing is being performed, and for at least 48 hours prior to testing, at not less than 65 degrees F (18 degrees C) or more than 85 degrees F (30 degrees C).

B. Maintain relative humidity in spaces where concrete testing is being performed, and for at least 48 hours prior to testing, at not less than 40 percent and not more than 60 percent.

#### 1.7 WARRENTY

A. **Provide manufacturer's standard warranty for moisture mitigation system.**

### PART 2 - PRODUCTS

2.1 Remedial Floor Covering: Single or multi layer coating or coating/overlay combination intended by its manufacturer to resist water vapor transmission to degree sufficient to meet flooring manufacturer's emission limits, resistant to the level of alkalinity (pH) found, and suitable for adhesion of flooring without further treatment.

1. Thickness: As required for application and in accordance with manufacturer's installation instruction.

2. Products:

a. UZIN UTZ North America, Inc, or equal; PE 460 Moisture Vapor Retarder

**b. Dry Sand #20 STEM U.S. Sieve Number;**

c. NC 150 leveling Compound [www.us.uzin.com](http://www.us.uzin.com)

Manufacturer's Representative: Larry Schoppert

(980)825-8026

[Larry.Schoppert@uzin-utz.com](mailto:Larry.Schoppert@uzin-utz.com)

- 2.2 Liquid applied Patching Underlayment .
1. Thickness: As required for application and in accordance with manufacturer's installation instruction. Feather edge to maximum 1 inch thickness in order to smoothy transition from one flooring material to another or skim coat a rough substrate.
  2. Products: UZIN UTZ North America, Inc, or equal; Cementitious type at UZIN NC 886 [www.us.uzin.com](http://www.us.uzin.com)  
Manufacturer's Representative: Larry Schoppert  
(980)825-8026  
[Larry.Schoppert@uzin-utz.com](mailto:Larry.Schoppert@uzin-utz.com)

### PART 3 - EXECUTION

#### 3.1 CONCRETE SLAB PREPARATION

- A. Perform the following operations in the order indicated:
1. Moisture vapor emission tests, 3 tests in the first 1000 square fee (100 square meters) and one test in each additional 1000 square feet 9100 square meters), unless otherwise indicated or required by flooring manufacturer.
  2. Internal relative humidity tests; in same locations as moisture vapor emission tests, unless otherwise indicated.
  3. Alkalinity (pH) tests; in same locations as moisture vapor emission tests, unless otherwise indicated.
  4. Other preparation specified.
  5. Adhesive bond and compatibility test.
  6. Protection.
- B. Remediations:
1. Active Water Leaks or Continuing moisture Migration to surface of slab: correct this condition before doing any other remediation; re-test after correction.

#### 3.2 REMOVAL OF EXISTING FLOOR COVERINGS

- A. Comply with local, State, and federal regulations and commendations of RFCI Recommended Work practices for Removal of Resilient Floor Coverings, as applicable to floor covering being removed.
- B. Dispose of removed materials in accordance with local, state and federal regulations as specified.

#### 3.3 MOISTURE VAPOR EMISSION TESTING

- A. Where the floor covering manufacturer's requirements conflict with either the referenced test method or this specification, comply with the manufacturer's requirements.

- B. Where this specification conflicts with the referenced test method, comply with the requirements of this section.
- C. Test in accordance with ASTM F1869 and as follows.
- D. Report: Report the information required by the test method.

#### 3.4 INTERNAL RELATIVE HUMIDITY TESTING

- A. Where the Floor covering manufacturer's requirements conflict with either the referenced test method or this specification, comply with the manufacturer's requirements.
- B. Where this specification conflicts with the referenced test method, comply with the requirements of this section.
- C. Test in accordance with ASTM F2170 Procedure A and as follows:
- D. Testing with Electrical impedance or resistance apparatus may not be substituted for the specified ASTM test method, as the values determined are not comparable to the ASTM test values and do not quantify the moisture content sufficiently.
- E. In the event that test values exceed floor covering manufacturer's limits, perform remediation as indicated. In the absence of manufacturer limits, perform remediation if any test value exceeds 75 percent relative humidity
- F. Report the information required by the test method.

#### 3.5 ALKALINITY TESTING

- A. Where the floor covering manufacturer's requirements conflict with either the referenced test method or this specification, comply with the manufacturer's requirements.
- B. The following procedure is the equivalent of that described in ASTM F710, repeated here for the Contractors convenience.
- C. Use a wide range alkalinity test paper, its associated chart, and distilled or deionized water.
- D. Place several drops of water on a clean surface of concrete, forming a puddle approximately 1 inch in diameter. Allow the puddle to set for approximately 60 seconds, then dip the alkalinity (pH) test paper into the water, remove it, and compare immediately to chart to determine alkalinity (pH) reading.
- E. In the event that the test values exceed floor covering manufacturer's limits perform remediation as indicated. In the absence of manufacturer limits, perform remediation if alkalinity (pH) test value is over 10.

3.6 PREPARATION

- A. See individual floor covering sections for additional requirements.
- B. Comply with requirements and recommendations of floor covering manufacturer.
- C. Do not fill expansion joints, isolation joints, or other moving joints.

3.7 APPLICATION

- A. **A. Install moisture mitigation system according to manufacturer's instructions. Consult manufacturer's data sheet or website for detailed mixing and installation instructions.**
- B. **B. Thoroughly mix solution in the bottom container (part A) using a heavy-duty drill (drill speed > 300 rpm should be maintained for a minimum of 2 minutes). Avoid high speed mixing to prevent entraining air into solution.**
- C. **C. Immediately after mixing, pour the entire contents of UZIN PE 460 out of the container.**
- D. **D. Spread UZIN PE 460 evenly across the substrate using 3/8" nap, nylon, sleeve roller.**
- D. **E. Broadcast sand over the coat of UZIN PE 460, while it is still wet. Liberally broadcast clean, dry sand, # 20 (ASTM U.S. Sieve Number) to point of refusal. Approximate sand coverage 160 sq. ft. (15 m<sup>2</sup>) per 100 lb. bag (45 kg). After the application has set, vacuum off any loose sand.**
- E. **F. Install Uzin Leveling Compound once PE 460 has cured.**

3.8 ADHESIVE BOND AND COMPATABILITY TESTING

- A. Comply with requirements and recommendations of floor covering manufacturer.

3.9 PROTECTION

- A. Cover prepared floors with building paper or other durable covering.

END OF SECTION 096519

