



COMPLEX PROJECTS  
REQUIRE RESOLVE  
**THRASHER'S GOT IT**

**VILLAGE OF TUSCARAWAS  
TUSCARAWAS COUNTY, OHIO**

**WASTEWATER TREATMENT PLANT IMPROVEMENTS**

**ADDENDUM #1**

**SEPTEMBER 5, 2025**

**THRASHER PROJECT #020-10119**

TO WHOM IT MAY CONCERN:

The following are clarifications and responses to questions posed by contractors for the above-referenced project.

**A. SPECIFICATIONS**

1. **ADD** Specification 096723 – Resinous Flooring

**B. QUESTIONS AND REPSONSES**

**2. QUESTION**

ATS is located inside the building. Is this NEMA (Type 1) or 3R stainless steel?

**RESPONSE**

NEMA (Type 1) is acceptable as long as the ATS remains in the building, otherwise NEMA 250 (Type 3R stainless steel) is required.

**3. QUESTION**

Will you allow ASCO ATS as an acceptable manufacturer?

**RESPONSE**

Yes.

**4. QUESTION**

Drawings E12 (label) and E3 (B) show ATS but does not indicate amp size of ATS, but drawing E13(B) shows 400amp 277/480v. Is 400amp the size?

**RESPONSE**

The ATS needs to be 400Amp. It does NOT need to be service rated due to the main disconnect on the service entrance.

**5. QUESTION**

Drawings E12 (E) and E3 (A) indicate generator as 200kW natural gas generator. Drawings E13 (A)) indicate generator as 150kW natural gas generator. Specs call out 150kW. What size is correct? (200kW generator is capable of 301amps at 480v)

**RESPONSE**

The generator shall be 200kW.

**6. QUESTION**

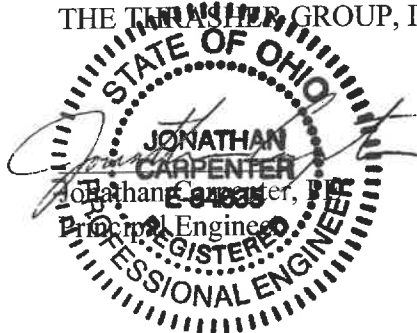
Will you allow MTU generator as an acceptable manufacturer?

**RESPONSE**

Yes.

If you have any questions or comments, please feel free to contact me at your earliest convenience. Questions received less than seven days prior to the date for opening of Bids may not be answered. As a reminder, bids will be received until 9:00 am on Thursday, September 25, 2025, at the Village of Tuscarawas located at 522 East Cherry St, Tuscarawas, OH 44682. Good luck to everyone and thank you for your interest in the project.

Sincerely,  
THE TRINASH GROUP, INC.



Village of Tuscarawas  
Wastewater Treatment Plant Improvements

020-10119

SECTION 096723 - RESINOUS FLOORING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Resinous flooring systems.

1.2 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Samples: For each type of exposed finish required.

1.4 INFORMATIONAL SUBMITTALS

- A. Material certificates.
- B. Material test reports.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance data.

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: An authorized representative who is trained and approved by manufacturer.
- B. Mockups: Apply mockups to verify selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for material and execution.
1. Apply full-thickness mockups on 48 inch square floor area selected by Engineer.
    - a. Include 48" of integral cove base.
  2. Approved mockups may become part of the completed Work if undisturbed at time of substantial completion.

Village of Tuscarawas  
Wastewater Treatment Plant Improvements

020-10119

1.7 FIELD CONDITIONS

- A. Environmental Limitations: Comply with resinous flooring manufacturer's written instructions for substrate temperature, ambient temperature, moisture, ventilation, and other conditions affecting resinous flooring application.
- B. Lighting: Provide permanent lighting or, if permanent lighting is not in place, simulate permanent lighting conditions during resinous flooring application.
- C. Close spaces to traffic during resinous flooring application and for 24 hours after application unless manufacturer recommends a longer period.

1.8 WARRANTY

- A. Manufacturer shall furnish a single, written warranty covering both material and workmanship for a period of (1) full years from date of installation, or provide a joint and several warranty signed on a single document by material manufacturer and applicator jointly and severally warranting the materials and workmanship for a period of (1) full year from date of installation. A sample warranty letter must be included with bid package or bid may be disqualified.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Flammability: Self-extinguishing according to ASTM D635.

2.2 RESINOUS FLOORING

- A. Resinous Flooring System: Abrasion-, impact-, and chemical-resistant, aggregate-filled, and resin-based monolithic floor surfacing designed to produce a seamless floor and integral cove base.
- B. Basis of Design Product:
  - 1. Elite Crete Systems, Inc.
    - a. Hermetic Quartz Flooring System
  - 2. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
    - a. Duraflex, Inc.
    - b. Elite Crete Systems.
    - c. Sherwin-Williams Company, General Polymers.
    - d. Stonehard, Inc.
- C. System Characteristics:
  - 1. Color and Pattern: As selected by Engineer from manufacturer's full range.

Village of Tuscarawas  
Wastewater Treatment Plant Improvements

020-10119

2. Wearing Surface: Textured for slip resistance.
  3. Overall System Thickness: 1/4 inch.
  4. Federal Agency Approvals: FDA approved for food-processing environments.
- D. Primer: Type recommended by resinous flooring manufacturer for substrate and resinous flooring system indicated.
- E. Patching and Fill Material: Resinous product of or approved by resinous flooring manufacturer and recommended by manufacturer for application indicated.
- F. Body Coats:
1. Resin: Urethan.
  2. Formulation Description: 100 percent solids.
  3. Type: Pigmented.
  4. Application Method: Trowel.
  5. Number of Coats: One.
  6. Thickness of Coats: 1/4 inch.
  7. Aggregates: Colored quartz (ceramic-coated silica).
- G. Topcoats: Sealing or finish coats.
1. Resin: Urethane.
  2. Formulation Description: 100 percent solids.
  3. Type: Clear.
  4. Number of Coats: One.
  5. Thickness of Coats: 1/16 inch.
  6. Finish: Matte.
- H. System Physical Properties: Provide resinous flooring system with the following minimum physical property requirements when tested according to test methods indicated:
1. Compressive Strength: 10000 psi minimum according to ASTM C579.
  2. Tensile Strength: 2000psi minimum according to ASTM C307.
  3. Flexural Modulus of Elasticity: 4300psi minimum according to ASTM C580.
  4. Water Absorption: 0.1 percent maximum according to ASTM C413.

## 2.3 ACCESSORY MATERIALS

- A. Patching and Fill Material: Resinous product of or approved by resinous flooring manufacturer and recommended by manufacturer for application indicated.
- B. Joint Sealant: Type recommended or produced by resinous flooring manufacturer for type of service and joint condition indicated.

Village of Tuscarawas  
Wastewater Treatment Plant Improvements

020-10119

PART 3 - EXECUTION

3.1 PREPARATION

- A. Prepare and clean substrates according to resinous flooring manufacturer's written instructions for substrate indicated. Provide clean, dry substrate for resinous flooring application.
- B. Concrete Substrates: Provide sound concrete surfaces free of laitance, glaze, efflorescence, curing compounds, form-release agents, dust, dirt, grease, oil, and other contaminants incompatible with resinous flooring.
  - 1. Roughen concrete substrates as follows:
    - a. Comply with NACE No. 6/SSPC-SP13, with a Concrete Surface Profile (CSP) of 3 or greater in accordance with International Concrete Repair Institute (ICRI) Technical Guideline No. 310.2R, unless manufacturer's written instructions are more stringent.
  - 2. Repair damaged and deteriorated concrete according to resinous flooring manufacturer's written instructions.
  - 3. Verify that concrete substrates are dry and moisture-vapor emissions are within acceptable levels according to manufacturer's written instructions.
    - a. Anhydrous Calcium Chloride Test: ASTM F1869. Proceed with application of resinous flooring only after substrates have maximum moisture-vapor-emission rate of 3 lb of water/1000 sq. ft. of slab area in 24 hours.
    - b. Relative Humidity Test: Use in situ probes, ASTM F2170. Proceed with installation only after substrates have a maximum 75 percent relative humidity level measurement.
  - 4. Alkalinity and Adhesion Testing: Verify that concrete substrates have pH within acceptable range. Perform tests recommended by manufacturer. Proceed with application only after substrates pass testing.
- C. Other Substrates: Prepare substrate surfaces to be free of: dust, dirt, grease, oil, and other contaminants incompatible with resinous flooring.
  - 1. Roughen or otherwise prepare surface as required according to manufacturer's written instructions.
  - 2. Remove and repair any damaged or incompatible areas of substrate according to manufacturer's written instructions.
- D. Patching and Filling: Use patching and fill material to fill holes and depressions in substrates according to manufacturer's written instructions.
- E. Resinous Materials: Mix components and prepare materials according to resinous flooring manufacturer's written instructions.

Village of Tuscarawas  
Wastewater Treatment Plant Improvements

020-10119

3.2 INSTALLATION

- A. Apply components of resinous flooring system according to manufacturer's written instructions to produce a uniform, monolithic wearing surface of thickness indicated.
  - 1. Expansion and Isolation Joint Treatment: At substrate expansion and isolation joints, comply with resinous flooring manufacturer's written instructions.
- B. Primer: Apply primer over prepared substrate at manufacturer's recommended spreading rate.
- C. Reinforcing Membrane: Apply reinforcing membrane to substrate cracks.
- D. Integral Cove Base: Apply cove base mix to wall surfaces before applying flooring. Apply according to manufacturer's written instructions. Round internal and external corners.
  - 1. Integral Cove Base: 4 inches high.
  - 2. Aggregates: Broadcast aggregates at rate recommended by manufacturer and, after resin is cured, remove excess aggregates to provide surface texture indicated.
- E. Troweled or Screeded Body Coats: Apply troweled or screeded body coats in thickness indicated for flooring system. Hand or power trowel and grout to fill voids. When body coats are cured, remove trowel marks and roughness using method recommended by manufacturer.
- F. Grout Coat: Apply grout coat, of type recommended by resinous flooring manufacturer, to fill voids in surface of final body coat.
- G. Topcoats: Apply topcoats in number indicated for flooring system and at spreading rates recommended in writing by manufacturer and to produce wearing surface indicated.
- H. Protect resinous flooring from damage and wear during the remainder of construction period.

END OF SECTION 096723

Village of Tuscarawas  
Wastewater Treatment Plant Improvements

020-10119

THIS PAGE INTENTIONALLY LEFT BLANK.