Nicholls State University

Purchasing Office
P. O. Box 2052 – Thibodaux, LA 70310
985.448.4038 – Fax: 985.448.4921

ADDENDUM NO 6
FOR
NICHOLLS STATE UNIVERSITY
THIBODAUX, LOUISIANA
01/23/2025

(Plus designer sheets- 10 pages following Nicholls Document)

Bid SB01895 – SB01895 NSU Didier Field Public Restroom Project

Bid Responses are Due at 3:00 PM on 01/28/2025

This addendum is hereby made a part of the Bidding Documents to the extent as though it was originally included therein.

This addendum, must be acknowledged on the Louisiana Public Works Bid Form

All addenda may be obtained through LaPac, Central Bidding, and the following link.

https://www.nicholls.edu/purchasing/

Copy the following link to a browser:

https://www.dropbox.com/scl/fo/vh45owudqszmgt5unv5zz/AIeLTpXDgz6wsW3MhOxD_nA?rlkey=n9djrf90buck3jspnx42wsnot&st=ebhdxyr1&dl=0

Purpose of Addendum:

1. Answer questions received

Q: Thanks for taking our call. The specifications for the resinous floor finish schedule code RPF-1 is very indecisive of what the architect was requesting. Rather than him giving us installation instructions, if he could identify a specific system that he is looking for from there we can quote this product. Also, we would prefer him to specify a Sherwin Williams or Key Resin system because Stonhard is bid and installed by Stonhard representatives only so you'll only get one price if he insists on using Stonhard. If you have any more questions please reach out or if the architect is willing to speak we're available!

A: WHLC Response: Refer to revised specification 09 67 23 RESINOUS FLOORING included within Addendum 6 for clarification on the specified product and finish schedule. As stated within Division 00 of the specifications, "if a potential supplier wishes to submit for prior approval a particular product other than a product specified in the contract documents, they shall do so no later than seven working days prior to the opening of bids."

Nicholls State University

Purchasing Office
P. O. Box 2052 – Thibodaux, LA 70310
985.448.4038 – Fax: 985.448.4921

ADDENDUM NO 6
FOR
NICHOLLS STATE UNIVERSITY
THIBODAUX, LOUISIANA
01/23/2025

Q: Is there a Pile Load Test Required?

A: Badeaux Engineers Response: There was no geotechnical investigation authorized specifically for this project. A geotechnical report with pile capacities is available from the previously planned Baseball Fieldhouse. This information was also used for the Press Box Elevator, and a pile load test was performed at that time. The tested capacity exceeded the estimated capacity.

Due to the new restroom layout and limitations on the distance and quantity of piles that can be driven adjacent to the existing elevator structure, we had to use a longer pile for the Restroom than was used for the Press Box Elevator. Although the pile used is not the exact same as the tested pile, the previous load test does provide some confirmation that actual capacities exceed estimated capacities. Our specifications do not currently specify a pile load test prior to driving piles.

Terry G. Dupre
Director of Purchasing, Property Control
and Support Services Administration

ADDENDUM NO. 6
January 23, 2025

PROJECT: NSU Didier Field Public Restrooms
331 Colonel Drive
Thibodaux, LA 70310
WHLC PROJECT No. 23-008A

ARCHITECT: Washer Hill Lipscomb Cabaniss Architecture (LA) LLC, WHLC Architecture
1744 Oakdale Drive
Baton Rouge, LA 70810

Incorporate in the plans and the project manual the following additions, deletions, changes and clarifications. Each item shall be governed by the conditions set forth in Division 1 General Requirements of this Project Manual and the specific conditions set forth in the sections of the specifications pertaining to the item:

****

ADDENDUM NO. 1

Total Pages: 10- (8 ½" x 11") including Title Sheet

SPECIFICATIONS

DIVISION 09 FINISHES

Section 09 67 23 Resinous Flooring

- This section has been ***Revised***. See attached. **9 pages** (8-1/2" x 11")

END OF ADDENDUM 6

Revised via Addendum No. 6 dated January 23, 2025

SECTION 09 67 23

RESINOUS FLOORING

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes ~~four~~ one resinous flooring system which includes a penetrating two-component epoxy primer, four-component mortar consisting of epoxy resin, curing agent and finely graded quartz silica aggregate, three-component, epoxy undercoat, brightly colored, quartz silica aggregate broadcast and a high performance, two-component, clear epoxy sealer.

1. ~~RES-1~~ RPF-1 Application Method: ~~Metal, power or hand troweled epoxy mortar.~~ Troweled mortar, undercoat, broadcast quartz aggregate and seal.

~~2. RES-2 Application Method: Metal, power or hand troweled urethane mortar.~~

~~3. RES-3 Application Method: Troweled screed, and sanded rubberized terrazzo.~~

~~4. RES-4 Application Method: Troweled, screed. resilient urethane.~~

1.2 SUBMITTALS

A. Product Data: For each type of product indicated. Include manufacturer's technical data, application instructions, and recommendations for each resinous flooring component required.

B. Samples for Verification: For each resinous flooring system required, 6 inches (150 mm) square, applied to a rigid backing by Installer for this Project.

C. Product Schedule: Use resinous flooring designations indicated in Part 2 and room designations indicated on Drawings in product schedule.

D. Installer Certificates: Signed by manufacturer certifying that installers comply with specified requirements.

E. Maintenance Data: For resinous flooring to include in maintenance manuals.

1.3 QUALITY ASSURANCE

A. No request for substitution shall be considered that would change the generic type of floor systems specified. Equivalent materials of other manufactures may be substituted only on approval of Architect or Engineer. Request for substitution will only be considered only if submitted 10 days prior to bid date. Request will be subject to specification requirements described in this section.

B. Installer Qualifications: Engage an experienced installer who is experienced in applying resinous flooring systems similar in material, design, and extent to those indicated for this Project, whose work has resulted in applications with a record of successful in-service performance, and who is acceptable to resinous flooring manufacturer.
   1. Engage an installer who is certified in writing by resinous flooring manufacturer as qualified to apply resinous flooring systems indicated.
   2. Contractor shall have completed at least 10 projects of similar size and complexity.

C. Source Limitations: Obtain primary resinous flooring materials, including primers, resins, hardening agents, grouting coats, and topcoats, through one source from a single manufacturer, with not less than ten years of successful experience in manufacturing and installing principal materials described in this section. Provide secondary materials, including patching and fill material, joint sealant, and repair materials, of type and from source recommended by manufacturer of primary materials.

D. Manufacturer Field Technical Service Representatives: Resinous flooring manufacturer shall retain the services of Field Technical Service Representatives who are trained specifically on installing the system to be used on the project.
   1. Field Technical Services Representatives shall be employed by the system manufacturer to assist in the quality assurance and quality control process of the installation and shall be ~~available to perform field problem solving issues with the installer~~. ON-SITE DAILY during installation to perform field problem solving issues and quality control oversight with the installer.

E. Mockups: Apply mockups to verify selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.
   1. Apply full-thickness mockups on 48-inch- (1200-mm-) square floor area selected by Architect.
      a. Include 48-inch (1200-mm) length of integral cove base.
   2. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

F. Pre-installation Conference:
   1. General contractor shall arrange a meeting not less than thirty days prior to starting work.
   2. Attendance:
      a. General Contractor
      b. Architect/Owner's Representative.
      c. Manufacturer/Installer's Representative.

1.4 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials in original packages and containers, with seals unbroken, bearing manufacturer's labels indicating brand name and directions for storage and mixing with other components.

B. Store materials to prevent deterioration from moisture, heat, cold, direct sunlight, or other detrimental effects.

C. All materials used shall be factory pre-weighed and pre-packaged in single, easy to manage batches to eliminate on site mixing errors. No on site weighing or volumetric measurements allowed.

1.5 PROJECT 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.
   1. Maintain material and substrate temperature between 65 and 85 deg F (18 and 30 deg C) during resinous flooring application and for not less than 24 hours after 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 not less than 24 hours after application, unless manufacturer recommends a longer period.

D. Concrete substrate shall be properly cured for a minimum of 30 days. A vapor barrier must be present for concrete subfloors on or below grade. Otherwise, an osmotic pressure resistant grout must be installed prior to the resinous flooring

1.7 WARRANTY

A. Manufacturer shall furnish a single, written warranty covering both material and workmanship for a period of one (1) one year 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) one 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 RESINOUS FLOORING ~~(RES-1,2,3)~~

A. Available Products: ~~Resilient urethane terrazzo flooring for sterile corridors.~~ Subject to compliance with requirements~~, products that may be incorporated into the Work include the following:~~ of the following: a penetrating two-component epoxy primer, four-component 3/16" inch mortar consisting of epoxy resin, curing agent and finely graded quartz silica aggregate, three-component, epoxy undercoat, brightly colored, quartz silica aggregate broadcast and a high performance, two-component, clear epoxy sealer. Liquid rich systems and or builds of slurries and non troweled mortar systems will be rejected.

B. Products: Provide the following
   1. Stonehard Inc, Stonsheld HRI – contact Sean Cronin 281.253.5125 scronin@stonhard.com
      ~~a. Key Resin~~

C. System Characteristics:
1. Color and Pattern: As indicated by Architect in finish legend drawings.
2. Wearing Surface: ~~Smooth~~. Medium texture as selected from manufacturer.
3. Integral Cove Base: 6 inches high with zinc termination strip.
4. Overall System Thickness: 3/16 inch

D. System Components: Manufacturer's standard components that are compatible with each other and as follows:

~~1. Primer Coat:~~
~~a. Material Basis: Stonhard Standard Primer.~~
~~b. Resin: (2) two component epoxy.~~
~~c. Formulation Description: 100 percent solids.~~
~~d. Application Method: squeegee back roll.~~
~~e. Number of Coats: One.~~

~~2. Primer Coat 2:~~
~~a. Material Basis: Stonhard SL Primer.~~
~~b. Resin: (3) three component epoxy.~~
~~c. Formulation Description: 100 percent solids.~~
~~d. Application Method: squeegee back roll onto wet standard primer.~~
~~e. Number of Coats: One.~~

~~3. Body Coat:~~
~~a. Material Basis: Stonres Mortar base.~~
~~b. Resin: Urethane~~
~~c. Formulation Description: Comprised of a (3) three component mortar, consisting of pigmented urethane resin, curing agent, and rubber aggregates,~~
~~d. Application Method: Screed Rake~~
~~e.~~
~~1) Free-Flowing Mortar: Uniformly spread mortar over substrate using manufacturer's specially designed screed rake adjusted to manufacturer's recommended height. Spike roll the mortar to remove any rake lines, using manufacturer's specially designed spike roller.~~
~~2) Sanding: Sand surface of the cured mortar according to manufacturer's recommended equipment and procedures.~~

~~4. Cove Base Top Coat:~~
~~a. Material design basis: Stonkote GS4~~
~~b. Color: Stonkote GS4 to compliment RTZ color~~
~~c. Resin: Bisphenol A epoxy coating.~~
~~d. Formulation Description: 100% solids.~~
~~e. Type: pigmented.~~
~~f. Finish: standard.~~
~~g. Number of Coats: one.~~

~~5. Grout coat:~~
~~a. Material Basis: Stonres grout coat.~~
~~b. Resin: Urethane~~
~~c. Formulation Description: (2) two component, 100% aliphatic, polyaspartic urethane.~~
~~d. Type: Clear~~
~~e. Finish: gloss.~~
~~f. Number of Coats: Two.~~

~~6. Topcoat: Chemical resistant and high UV stability.~~
~~a. Material Basis: Stonseal CF7 clear flat.~~
~~b. Resin: Aliphatic polyurethane.~~
~~c. Formulation Description: (2) two-component, flat, aliphatic polyurethane topcoat.~~
~~d. Type: Clear~~
~~e. Finish: Matte.~~
~~f. Number of Coats: one.~~

1. Stonhard Standard Primer
   a. Material Basis: Bisphenol A Epoxy Primer
2. Body Coat(s):
   a. Material Basis: HRI Mortar Basis is a four-component troweled epoxy mortar consisting of epoxy resin, curing agent and finely graded aggregate.
   b. Resin: Epoxy
3. Stonshield Undercoat and broadcast quartz:
   a. Resin: three-component free flowing epoxy that includes resin, curing agent, and stonshield aggregate.
   b. Formulation Description: 100% solids
   c. Number of Coats: 1
4. Topcoat:
   a. Material Basis: Stonseal CE4
   b. Resin: high performance UV resistant, clear epoxy sealer
   c. Two-component
   d. Number of Coats: (1) thick coat to get desired medium texture.

2.2 ACCESSORY MATERIALS

A. Primer: Type recommended by manufacturer for substrate and body coats indicated. Formulation Description: Stonhard Standard Primer, 100% solids

~~B. Floor Strips: Use kind and type recommended by manufacturer, and compatible with floor products listed. Use strips for termination of floor and division of colors and patterns. See floor finish plan for location and patterns. Consult manufacturer's product installation data for strip dimensions.~~

~~C. Pitching and Leveling: Use kind and type recommended by manufacturer, and compatible with floor products listed. Requires fast setting resinous trowel able grout or mortar. Resinous based grout or mortar designed for permanent repairs under flooring system. See drawings for fill locations. Use standard drain details, saw cut and chase.~~

D. Waterproofing Membrane: For above-grade applications where positive-side waterproofing is required. Type recommended by manufacturer for substrate and primer and body coats indicated. Formulation Description Stonproof ME7

E. Joint Sealant: Type recommended or produced by resinous flooring manufacturer for type of service and joint condition indicated. Allowances should be made for Stonflex MP7 and Stonflex CT5 crack treatment.

PART 3 - EXECUTION

3.1 PREPARATION

A. General: Prepare and clean substrates according to resinous flooring manufacturer's written instructions for substrate indicated. Provide clean, dry, and neutral Ph 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. Mechanically prepare substrates as follows:
      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. Hand grinding where needed with hepavac as required.
      b. Comply with ASTM C 811 requirements, unless manufacturer's written instructions are more stringent.
   2. Repair damaged and deteriorated concrete according to resinous flooring manufacturer's written recommendations.
   3. Verify that concrete substrates are dry.
      a. Perform in situ probe test, ASTM F 2170. Proceed with application only after substrates do not exceed a maximum potential equilibrium relative humidity~~. Refer to limits for each flooring system stated in technical product literature.~~ of 75 percent.
      b. Perform anhydrous calcium chloride test, ASTM F 1869. Proceed with application only after substrates have maximum moisture-vapor-emission rate ~~(in units of lbs. water/1000 sq. ft. of slab in 24 hours). Refer to limits for each flooring system stated in technical product literature.~~ of 6 lb of water/1000 sq. ft. of slab in 24 hours.
      c. Perform additional moisture tests recommended by manufacturer. Proceed with application only after substrates pass testing for kind and type of floor systems listed.
   4. Verify that concrete substrates have neutral Ph and that resinous flooring will adhere to them. Perform tests recommended by manufacturer. Proceed with application only after substrates pass testing.

C. Resinous Materials: Mix components and prepare materials according to resinous flooring manufacturer's written instructions.

D. Use patching and fill material to fill holes and depressions in substrates according to manufacturer's written instructions.

E. Treat control joints and other nonmoving substrate cracks to prevent cracks from reflecting through resinous flooring according to manufacturer's written recommendations. Allowances should be made for Stonproof CT5.

3.2 APPLICATION

A. General: Apply components of resinous flooring system according to manufacturer's written instructions to produce a uniform, monolithic wearing surface of thickness indicated.
   1. Coordinate application of components to provide optimum adhesion of resinous flooring system to substrate, and optimum inter-coat adhesion.
   2. Cure resinous flooring components according to manufacturer's written instructions. Prevent contamination during application and curing processes.
   3. At substrate expansion and isolation joints, provide joint in resinous flooring to comply with resinous flooring manufacturer's written recommendations.
      a. Apply joint sealant to comply with manufacturer's written recommendations.

B. Apply appropriate primer over prepared substrate at manufacturer's recommended spreading rate.

C. Apply cove base mix to wall surfaces before applying flooring. Apply according to manufacturer's written instructions and details including those for taping, mixing, priming, and troweling, sanding, and top coating of cove base. Round internal and external corners.

D. ~~Resinous Mortar Body Coat~~ Troweled Mortar: Mix mortar material according to manufacturer's recommended procedures. Uniformly spread mortar over substrate using ~~screed, steel trowel or manufacturer's specially designed screed rake.~~ manufacturer's specially designed screed box adjusted to manufacturer's recommended height. Hand trowel apply mixed material over freshly primed substrate using steel finishing trowels or power trowel material using manufacturer's specially designed power trowel blades.

E. ~~Finish Coat Preparation~~ Surface Irregularities: ~~Sand or grind surface of the cured mortar according to manufacturer's recommended equipment and procedures. Thoroughly clean and vacuum the surface of the base once all preparation has been completed~~. Mix and apply sealer with strict adherence to manufacturer's installation procedures.

F. ~~Grout coat~~ Mar Resistant Finish: ~~Consult Manufacturer installation instructions for application. Mix and apply two coats of grout coat sealer with strict adherence to manufacturer's installation procedures and coverage rates~~. Lightly sand or scrape surface to remove any floor surface irregularities. Mix and roller apply mar resistant finish with strict adherence to manufacturer's installation procedures.

~~G. Topcoat: Mix and roller apply the topcoat Manufacturer recommended topcoats in order, number, and kind recommended by each listed product installation literature. Use strict adherence to manufacturer's installation procedures and coverage rates.~~

3.3 TERMINATIONS

A. Chase edges to "lock" the coating system into the concrete substrate along lines of termination.

B. Penetration Treatment: Lap and seal coating onto the perimeter of the penetrating item by bridging over compatible elastomer at the interface to compensate for possible movement.

C. Trenches: Continue coating system into trenches to maintain monolithic protection. Treat cold joints to assure bridging of potential cracks.

D. Treat floor drains by chasing the coating to lock in place at point of termination.

3.4 JOINTS AND CRACKS

A. Treat control joints to bridge potential cracks and to maintain monolithic protection.

B. Treat cold joints and construction joints to bridge potential cracks and to maintain monolithic protection on horizontal and vertical surfaces as well as horizontal and vertical interfaces.

C. Discontinue floor coating system at vertical and horizontal contraction and expansion joints by installing backer rod and compatible sealant after coating installation is completed. Provide sealant type recommended by manufacturer for traffic conditions and chemical exposures to be encountered.

3.5 FIELD QUALITY CONTROL

A. Material Sampling: Owner may at any time and any numbers of times during resinous flooring application require material samples for testing for compliance with requirements.
   1. Owner will engage an independent testing agency to take samples of materials being used. Material samples will be taken, identified, sealed, and certified in presence of Contractor.
   2. Testing agency will test samples for compliance with requirements, using applicable referenced testing procedures or, if not referenced, using testing procedures listed in manufacturer's product data.
   3. If test results show applied materials do not comply with specified requirements, pay for testing, remove noncomplying materials, prepare surfaces coated with unacceptable materials, and reapply flooring materials to comply with requirements.

3.6 CLEANING, PROTECTING, AND CURING

A. Cure resinous flooring materials in compliance with manufacturer's directions, taking care to prevent contamination during stages of application and prior to completion of curing process. Close area of application for a minimum of 18 hours.

B. Protect resinous flooring materials from damage and wear during construction operation. Where temporary covering is required for this purpose, comply with manufacturer's recommendations for protective materials and method of application. General Contractor is responsible for protection and cleaning of surfaces after final coats.

C. Cleaning: Remove temporary covering and clean resinous flooring just prior to final inspection. Use cleaning materials and procedures recommended by resinous flooring manufacturer]

3.7 SCHEDULE

~~A. Stonegard HRI at Toilet and Shower rooms.~~

A. Stonshield HRI as indicated on the Finish Schedule on sheet A13.0.

END OF SECTION