Project: CP180131- University of Missouri Healthcare- Women’s and Children’s Hospital Exterior Envelope Replacement

Bid Date & Time: Tues, Oct. 8, 2019, 1:30pm

Bid Captain: Daniel Dercher – daniel.dercher@nabholz.com
Mitchell Fuemmeler – mitchell.fuemmeler@nabholz.com

ADDENDUM NOTICE

Design Package #2- Addendum #2 has been issued

The following is included in Addendum #2:

- **Construction Manager’s Manual Clarifications:**
  - Section 1.00 Invitation to Bid
    - .02 Bidding Procedure- REVISE Bid date to: Tues, Oct. 8, 2019, 1:30pm
    - Bids should be sealed and delivered to:
      - University of Missouri – General Services Building
      - 900 E Stadium Blvd
      - Columbia, MO 65211
      - Room L100 (Front Reception Desk)
      - ATTN: Nabholz Construction
    - .02 Bidding Procedure – REVISE RFI/Bid Question Deadline to: 5:00pm on 10/1/19
  - Section 3.00 Bid Packages and Bid Forms
    - .02 Bid Form – DELETE AND REPLACE WITH- Revised Section .02 Bid Form
    - 05.0 Structural and Miscellaneous Steel
      - Applicable Specifications- DELETE Section 055000 – Metal Fabrications
    - ADD Bid Package – 09.3 Epoxy Flooring

ATTACHMENTS:
- Revised Section .02 Bid Form (5 pages)
- Bid Package – 09.3 Epoxy Flooring (3 pages)
- International Architects Atelier – Addendum #2 – Design Package Two (38 pages)

Acknowledgement of all addenda is a requirement of the bid process. Please acknowledge this and all addenda on the Bid Form found in section 3.00.02 of the Construction Manager’s Manual.

Should you have any questions concerning this project, please contact the Bid Captain noted above.

Daniel Dercher
Senior Estimator
.02 Bid Form

Date of Bid ______________________

Submitting Company (“Bidder”)

Company Name__________________________________________________________________
Project State License Number_______________________________________________________

Company Representative

Name__________________________________________________________________________
Email Address____________________________________________________________________
Cell Phone_______________________________________________________________________

Scope of Work

Bid Package Number______________________________________________________________
Bid Package Description__________________________________________________________

Addenda

Bidder acknowledges receipt of the following addenda:

Addendum #________ Dated ________________
Addendum #________ Dated ________________
Addendum #________ Dated ________________
Addendum #________ Dated ________________
Addendum #________ Dated ________________
Addendum #________ Dated ________________

Base Bid

By submitting this proposal form, bidder acknowledges receipt of and compliance with Nabholz minimum insurance requirements, Master Contract Agreement, Project Contract Agreement, Performance and Payment Bond requirements, Purchase Order, CCIP Program Addendum, and Safety Standards.
Bidder agrees to complete the Scope of Work listed below for a lump sum of:

$________________________________________________________________________________________
Alternates

1. Exterior LED Lighting  
   Add/Deduct $ ____________

2. Re-Paint Existing Exterior Metal Panels  
   Add/Deduct $ ____________

3. Lightning Protection  
   Add/Deduct $ ____________

4. ____________________________________  
   Add/Deduct $ ____________

Voluntary Alternates

1. ____________________________________  
   Add/Deduct $ ____________

2. ____________________________________  
   Add/Deduct $ ____________

3. ____________________________________  
   Add/Deduct $ ____________

4. ____________________________________  
   Add/Deduct $ ____________

Unit Pricing (to be used for both additive and deductive change orders)

1. ____________________________________  
   $ _______________________

2. ____________________________________  
   $ _______________________

3. ____________________________________  
   $ _______________________

4. ____________________________________  
   $ _______________________

5. ____________________________________  
   $ _______________________

6. ____________________________________  
   $ _______________________

7. ____________________________________  
   $ _______________________

8. ____________________________________  
   $ _______________________

Work in Progress & Project Specific Qualifications

Bidder shall submit with their proposal a Work in Progress (WIP) Report that lists the ten (10) largest projects currently being constructed. Moreover, final evaluation of Bidder’s proposal shall be conditional on review of WIP Report, and Bidder’s experience with similar scope and projects.
Completion Time
All Work shall be completed within the schedules prepared by and agreed to by Nabholz. Bidder shall provide adequate manpower and submit documentation for approval necessary to work within the timeframe scheduled.

Bonding
Bidder can provide a Performance and Payment Bond and can meet the requirements set forth in the “Project Contact”. (circle one)

Yes/No

Performance and Payment Bond Rate Cost in Percent________

Name of Surety Agent_________________________________________________________

Surety Agent Phone Number__________________________________________________

Acceptance of Contract Forms
Bidder acknowledges that they have reviewed and accept the Contract Performance and Administration, Sample Master Contract, Sample Project Contract, Payment and Performance Bonds, Sample Purchase Order, Contractor-Controlled Insurance Program Addendum to Master Contract and the Nabholz Safety Standards forms linked in Section 5.02. Proposed modifications must be submitted with bid.

Signature
Bidder agrees that this proposal remains valid for a period of 60 days. Bidder understands that Nabholz and the Owner reserve the right to reject any or all bids. Bidder acknowledges Nabholz minimum insurance requirements and understands that the Master Contract shall be the basis of any contract offered by Nabholz Construction to Bidder. Proposed modifications of Master Contract language must be submitted with bid. Attach additional sheets if necessary. Upon receipt of notice of acceptance of bid, Bidder agrees to execute and return the contract and required insurance certificates within two weeks of notification.

By ______________________________________________________________

Title_________________________________

Printed name of individual signing this proposal___________________________________________

Contact phone number________________________________________________________________

Date __________________

Supplier Diversity participation goals for this project are as follows:
Minority Business Enterprise (MBE) of Ten Percent 10%; Women/Disadvantaged Business Enterprises/Veteran (WDV) of Ten Percent 10%; and Serviced Disabled Veteran (SDVE) of Three Percent 3% of the GMP. The ability to meet diversity goals will be included in the considerations for how Nabholz and the Owner will determine the lowest, responsible, qualified bidder. Bidders are encouraged to contract with Diverse venders and suppliers, regardless of any tier, in order to meet these goals.
SUPPLIER DIVERSITY COMPLIANCE EVALUATION FORM

This form shall be completed by all Subcontractors, Suppliers and Venders, regardless of any tier, and submitted with the Bidder's Statement of Qualifications.

The undersigned submits the following data with respect to this firm's assurance to meet the goal for Supplier Diversity participation.

I. Project: ____________________________________________________________

II. Name of Contractor: ________________________________________________

III. Name of Diverse Firm: ____________________________________________

Address: ____________________________________________________________

Phone No.: _____________________________ E-mail.: ______________________

Status (check one) MBE_____ WBE_____ Veteran_____ Service Disabled Veteran_____ DBE_____

IV. Describe the subcontract work to be performed. (List Base Bid work and any Alternate work separately):

   Base Bid: ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________

V. Dollar amount of contract to be subcontracted to the Diverse firm:

   Base Bid: __________________________________________________________

   Alternate(s), (Identify separately): ____________________________________
   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________

VI. Is the proposed subcontractor listed in the Directory of M/W/DBE Vendors and/or the Directory of Veterans maintained by the State of Missouri?

   Yes______ No ______
VII. Is the proposed subcontractor certified as a diverse supplier by any of the following: federal government agencies, state agencies, State of Missouri city or county government agencies, Minority and/or WBE certifying agencies?

Yes ______  No ______  If yes, please provide details and attach a copy of the certification.

____________________________________________________________________________________

____________________________________________________________________________________

____________________________________________________________________________________

VIII. Does the proposed subcontractor have a signed document from their attorney certifying the Supplier as a Diverse and meeting the 51% owned and committed requirement?

Yes ______  No ______  If yes, please attach letter.

____________________________________________________________________________________

Signature: ________________________________

Name: ________________________________

Title: ________________________________

Date: ________________________________

END OF PROPOSAL FORM
09.3 Epoxy Flooring

SCOPE OF WORK
Subcontractor or Supplier agrees that the Base Bid amount entered above includes the following project-related activities and Scope of Work in accordance with the requirements of the specifications, drawings, and CM Manual. Unless noted otherwise subcontractor will furnish all equipment, materials, labor, supplies, tools, scaffolding, hoisting, transportation, unloading, and handling necessary for the proper installation and completion of this work.

APPLICABLE SPECIFICATIONS

- Division 1 – General Requirements
- Section 096723 – Resinous Flooring

All General Scope Requirements as outlined in Section 3.01.

Section A: Trade-Specific Requirements

1. Include all surface preparation, leveling, bonding agents, and other accessories as required.
2. Furnish and install all epoxy flooring, divider strips, control joint strips, base cap, base divider strips, and sealer.
3. Furnish and install all expansion and construction joints including keyways, dowels, and saw cutting as required.
4. Installed epoxy flooring within tolerances as outlined in the construction documents.
5. Provide fresh air to avoid health hazards to all workers.
6. Provide necessary heat (if required) for completion of this scope.

Section B: Project Specific Requirements:

1. Include removal and replacement of epoxy flooring and cove base as noted.

Section C: Project-Specific Exclusions:

1.

Section D: Project Alternates:

1.

Section E: Unit Pricing:

1. Provide unit pricing for removal and replacement epoxy flooring and cove base
2. Provide labor rates

END OF BID PACKAGE
ADDENDUM #2 - DESIGN PACKAGE TWO

DATE: September 24, 2019

TO CONTRACT DOCUMENTS ENTITLED:

WOMEN’S AND CHILDREN’S HOSPITAL - EXTERIOR ENVELOPE REPLACEMENT, ISSUE FOR BID

UNIVERSITY OF MISSOURI
PROJECT NUMBER: CP180131

PREPARED FOR: The Curators of the University of Missouri

CONSULTANT: International Architects Atelier, Inc.
912 Broadway Suite 300
Kansas City, Missouri 64105
Telephone: (816) 471-6522

Drawings and Specifications for the above noted project and the work covered thereby are herein modified as follows, and except as set forth herein, otherwise remain unchanged and in full force and effect:

SPECIFICATION CHANGES:

1. Section 095113, Part 2

ADD:

2.9 ACOUSTICAL PANELS [ACT-7]

A. Basis-of-design product: Subject to compliance with requirements, provide the following or comparable product approved by Architect:

1. Armstrong World Industries, Inc; Ultima Lay-In and Tegular #1913

B. Acoustical Panel Standard: Provide manufacturer’s standard panels according to ASTM E1264 and designated by type, form, pattern, acoustical rating, and light reflectance unless otherwise indicated.

C. Classification: Provide panels as follows:

1. Type and Form: Type IV, Form 2.
2. Pattern: E.

D. Color: White.

E. Light Reflectance (LR): Not less than 0.90.

F. Ceiling Attenuation Class (CAC): Not less than 35.

G. Noise Reduction Coefficient (NRC): Not less than 0.75.

H. Edge/Joint Detail: 15/16 inch Square Lay-In.

I. Thickness: ¾ inch.

J. Modular Size: 24 by 48 inches.

K. Antimicrobial Treatment: Manufacturer’s standard broad spectrum, antimicrobial formulation that inhibits fungus, mold, mildew, and gram-positive and gram-
negative bacteria and showing no mold, mildew, or bacterial growth when tested according to ASTM D3273, ASTM D3274, or ASTM G21 and evaluated according to ASTM D3274 or ASTM G21.

2. Section 095113, Paragraph 2.9.A
ADD: 6. [ACT-7]

3. Section 096516, Paragraph 2.6
DELETE: NOT USED
REPLACE WITH:
A. Basis-of-design product: Subject to compliance with requirements, provide Armstrong Flooring; DecoArt Possibilities Inlaid Sheet Flooring or comparable product approved by Architect.
B. Sheet Width: 6 feet.
C. Thickness: 0.080 inches.
D. Seaming Method: Heat welded, using Manufacturer’s recommended weld rod color.
E. Colors and Patterns: 88065 Almond White.
F. Installation Method: Full spread.

4. Section 096516, Paragraph 2.22.A
DELETE AND REPLACE WITH:
A. Basis-of-design product: Subject to compliance with requirements, provide Tarkett (formerly Johnsonite); Wall Base; Traditional Vinyl 1/8” or comparable product approved by Architect.

5. Section 096516, Paragraph 2.22.B
DELETE AND REPLACE WITH:
   1. Material Requirement: Type TV (vinyl thermoplastic).

6. Section 096516, Paragraph 2.23.A
DELETE AND REPLACE WITH:
A. Basis-of-design product: Subject to compliance with requirements, provide Tarkett (formerly Johnsonite); Wall Base; Traditional Vinyl 1/8” or comparable product approved by Architect.

7. Section 096516, Paragraph 2.23.B
DELETE AND REPLACE WITH:
   1. Material Requirement: Type TV (vinyl thermoplastic).

8. Section 096516, Paragraph 2.24.A
DELETE AND REPLACE WITH:
A. Basis-of-design product: Subject to compliance with requirements, provide Tarkett (formerly Johnsonite); Wall Base; Traditional Vinyl 1/8” or comparable product approved by Architect.

DELETE AND REPLACE WITH:
   1. Material Requirement: Type TV (vinyl thermoplastic).
10. Section 096516, Paragraph 2.27.A
DELETE AND REPLACE WITH:
A. Basis-of-design product: Subject to compliance with requirements, provide Tarkett (formerly Johnsonite); Wall Base; Traditional Vinyl 1/8” or comparable product approved by Architect.

11. Section 096516, Paragraph 2.27.B
DELETE AND REPLACE WITH:
   1. Material Requirement: Type TV (vinyl thermoplastic).

12. Section 096516, Paragraph 2.28.A
DELETE AND REPLACE WITH:
A. Basis-of-design product: Subject to compliance with requirements, provide Tarkett (formerly Johnsonite); Wall Base; Traditional Vinyl 1/8” or comparable product approved by Architect.

13. Section 096516, Paragraph 2.28.B
DELETE AND REPLACE WITH:
   1. Material Requirement: Type TV (vinyl thermoplastic).

14. Section 096519, Paragraph 2.3.D
DELETE AND REPLACE WITH:
D. Size: 3 inch by 36 inch planks.

15. Section 096519, Paragraph 2.4.D
DELETE AND REPLACE WITH:
D. Size: 3 inch by 36 inch planks

16. Section 097200, Paragraph 2.12
DELETE: NOT USED
REPLACE WITH:
A. Basis-of-design product: Subject to compliance with requirements, provide Symphony; Kabuki or comparable product approved by Architect.
B. Type: Type II.
C. Width: 52 in.
D. Weight: 20 oz. per lineal yard.
E. Backing: Osnaburg.
F. Installation:
   1. Repeat: 24 inches high x 52 inches wide.
G. Colors, Textures, and Patterns: AZ52706KA Summer Night.

17. Section 097200, Paragraph 2.15
DELETE AND REPLACE WITH:
2.15 VINYL WALL COVERING [WC-14]
A. Basis-of-design product: Subject to compliance with requirements, provide Vescom; Wallcovering 02 Vinyl; Aikin or comparable product approved by Architect.
B. Type: Type II.
C. Width: 52-54 inches.
D. Weight: 25 oz. per lineal yard.
E. Backing: Osnaburg.
F. Installation: Per Manufacturer’s standard instructions.
G. Colors, Textures, and Patterns: Aikin 1068.21.

18. Section 097200, Paragraph 2.16
DELETE AND REPLACE WITH:
2.16 PROTECTIVE WALL COVERING [WC-15]
A. Basis-of-design product: Subject to compliance with requirements, provide Construction Specialties; Acrovyn by Design .040N Sheet or comparable product approved by Architect.
   1. Description: Engineered PETG rigid sheet. Nominal .040 inch thick rigid sheet.
   2. Sheet Thickness: 0.040 inch.
   5. Caulk: To match wall covering sheet color.
   6. Height: To match existing condition.
   7. Trim and Joint Moldings: Extruded rigid plastic that matches wall covering color.

19. Section 097200, Part 2
ADD:
2.20 PROTECTIVE WALL COVERING [WC-19]
A. Basis-of-design product: Subject to compliance with requirements, provide Construction Specialties; Acrovyn 4000 .040N Sheet or comparable product approved by Architect.
   1. Description: Engineered PETG rigid sheet. Nominal .040 inch thick rigid sheet.
   2. Sheet Thickness: 0.040 inch.
   4. Texture: To match existing condition.
   5. Caulk: To match wall covering sheet color.
   6. Height: To match existing condition.
   7. Trim and Joint Moldings: Extruded rigid plastic that matches wall covering color.

20. Section 097200, Part 2
ADD:
2.21 PROTECTIVE WALL COVERING [WC-20]
A. Basis-of-design product: Subject to compliance with requirements, provide Construction Specialties; Acrovyn 4000 .040N Sheet or comparable product approved by Architect.
   1. Description: Engineered PETG rigid sheet. Nominal .040 inch thick rigid sheet.
   2. Sheet Thickness: 0.040 inch.
   4. Texture: To match existing condition.
5. Caulk: To match wall covering sheet color.
6. Height: To match existing condition.
7. Trim and Joint Moldings: Extruded rigid plastic that matches wall covering color.

21. Section 099123, Paragraph 2.5.K
   DELETE: NOT USED
   REPLACE WITH:
   1. Gloss Level: Field-verify and match existing gloss level.
   2. Color: SW6626 Sunset.

22. Section 099123, Paragraph 2.5.N
   DELETE: NOT USED
   REPLACE WITH:
   1. Gloss Level: Field-verify and match existing gloss level.
   2. Color: SW7007 Ceiling Bright White.

23. Section 099123, Paragraph 2
   ADD:
   2.6 FLOOR COATINGS
   A. Sealer, Water Based, for Concrete Floors: MPI #99.
      1. PPG: Perma-Crete Plex-Seal WB Int/Ext Clear Sealer
   B. Maximum allowable VOC limit: 200 g/L.

24. Section 102600, Paragraph 2.4.A.1
   DELETE AND REPLACE WITH:
   1. Profile: CS Acrovyn 4000 Model: SCR-48N.

25. Section 102600, Paragraph 2.5.A.1
   DELETE AND REPLACE WITH:
   1. Profile: CS Acrovyn 4000 Model: SCR-48N.

DRAWING CHANGES:

1. SHEET D101, DETAIL L5 – 5TH FLOOR – ENLARGED DEMO PLAN – PHASE ONE
   REVISION: Refer to attached Drawing AD-02, B1 for revised extents of wallcovering removal.

2. SHEET D116, DETAIL T14 – 3RD FLOOR – DEMO PLAN – ENLARGED PHASE NINE
   REVISION: Refer to attached Drawing AD-02, B6, delete Interior Demolition Keynotes number 11 and number 20. Add text note “Remove existing epoxy flooring and cove base as needed for new construction.”

3. SHEET D117, DETAIL L14 – 3RD FLOOR – DEMO PLAN – ENLARGED PHASE TEN

ADD #2 DP2 – Page 5 of 8
Women’s and Children’s Hospital – Exterior Envelope Replacement
University of Missouri
Project No. CP180131
September 24, 2019
REVISION: Refer to attached Drawing AD-03, B1, delete Interior Demolition Keynotes number 11 and number 20. Add text note “Remove existing epoxy flooring and cove base as needed for new construction.”

4. SHEET G011, DETAIL B5 – WALL TYPES
REVISION: Refer to attached Drawing AD-04, B1 for F10 wall type revisions.

5. SHEET A300, DETAIL K23 – 2ND FLOOR PLAN – ENLARGED PHASE ONE
REVISION: Refer to attached Drawing AD-04, B5 for revised wall types.
REVISION: Refer to attached Drawing AD-05, F1 for revised extents of painting in Room 2156 Electrical Closet.
REVISION: Refer to attached Drawing AD-05, B1 for revised wall type in Room 3322A Office.
REVISION: Refer to attached Drawing AD-05, B7 for revised extents of painting in Room 3319A Lactation.

6. SHEET A301, DETAIL - DETAIL K23 4TH FLOOR PLAN – ENLARGED PHASE ONE
REVISION: Refer to attached Drawing AD-06, B1 for revised wall type in 4422 Office.

7. SHEET A301, DETAIL K5 – 5TH FLOOR PLAN – ENLARGED PHASE ONE
REVISION: Refer to attached Drawing AD-06, B6 for revised wall type in 5524 Consult Room.
REVISION: Refer to attached Drawing AD-07, B1 for revised extents of wall covering in 5518 Patient Room

8. SHEET A302, DETAIL U18 – 2ND FLOOR ENLARGED PLAN PHASE TWO
REVISION: Refer to attached Drawing AD-08, B1 for revised wall type in 2166 Office.

9. SHEET A302, DETAIL B18 – 3RD FLOOR PLAN – ENLARGED PHASE TWO
REVISION: Refer to attached Drawing AD-08, B6 for revised wall type in 3325 Patient Room.

10. SHEET A303, DETAIL U18 – 4TH FLOOR PLAN – ENLARGED PHASE TWO
REVISION: Refer to attached Drawing AD-09, B1 for revised wall type in 4425 Patient Room.

11. SHEET A303, DETAIL B18 – 5TH FLOOR PLAN – ENLARGED PHASE TWO
REVISION: Refer to attached Drawing AD-09, B7 for revised wall type in 5525 Patient Room.

12. SHEET A305, DETAIL T5 – 3RD FLOOR PLAN – ENLARGED PHASE THREE
REVISION: Refer to attached Drawing AD-10, B1, delete wall covering at column C8 in 3335 Triage.
REVISION: Refer to attached Drawing AD-10, B6 revised keynote for flooring in 3338 Conference.

13. SHEET A307, DETAIL T5 – 5TH FLOOR PLAN – ENLARGED PHASE THREE
REVISION: Refer to attached Drawing AD-11, B1 for revised wall types in 5532 & 5533 Patient Room.
REVISION: Refer to attached Drawing AD-11, B7 for revised wall types in 5534 & 5535 Patient Room.
14. SHEET A311, DETAIL B15 – 5TH FLOOR PLAN – ENLARGED PHASE FIVE
   REVISION: Refer to attached Drawing AD-12, B1 for revised extents of wallcovering in 5512 Playroom.

15. SHEET A312, DETAIL S5 – 3RD FLOOR PLAN – ENLARGED PHASE SIX
   REVISION: Refer to attached Drawing AD-13, G1 for revised finishes in 3344 Workroom.

16. SHEET A313, DETAIL S5 – 5TH FLOOR PLAN – ENLARGED PHASE SIX
   REVISION: Refer to attached Drawing AD-13, B1 for revised extents of new wall construction in 5201B Office.
   REVISION: Refer to attached Drawing AD-13, B7 for revised extents of painting in 5209 Supply.

17. SHEET A314, DETAIL K30 – 3RD FLOOR PLAN – ENLARGED PHASE SEVEN
   REVISION: Refer to attached Drawing AD-14, B1 for revised wall finish materials and extents.

18. SHEET A314, DETAIL K19 – 4TH FLOOR PLAN – ENLARGED PHASE SEVEN
   REVISION: Refer to attached Drawing AD-15, B1 for revised wall type.

19. SHEET A314, DETAIL K5 – 5TH FLOOR PLAN – ENLARGED PHASE SEVEN
   REVISION: Refer to attached Drawing AD-16, B1 for revised wall type.

20. SHEET A315, DETAIL B30 – 4TH FLOOR PLAN – ENLARGED PHASE EIGHT
    REVISION: Refer to attached Drawing AD-17, B1 for revised extents of wall covering. Delete unreferenced detail callout.

21. SHEET A316, DETAIL T5 – 3RD FLOOR – PHASE NINE
    REVISION: Refer to attached Drawing AD-18, B1 for revised flooring material keynotes.

22. SHEET A317, DETAIL K25 – 2ND FLOOR – PHASE TEN
    REVISION: Refer to attached Drawing AD-19, B1 for revised wall type, add text note “Furr out wall to align with finish face of existing adjacent wall”, and delete unreferenced detail callout.

23. SHEET A317, DETAIL K5 – 3RD FLOOR – PHASE TEN
    REVISION: Refer to attached Drawing AD-19, B6 for revised flooring material keynote. Delete unreferenced detail callout.
    REVISION: Refer to attached Drawing AD-20, B1 for revised partition wall furring in front of spandrel windows at exterior wall and revisions to associated detail callouts.
    REVISION: Refer to attached Drawing AD-20, B5 for revised wall type.

24. SHEET A318, DETAIL K25 – 4TH FLOOR – PHASE TEN
    REVISION: Refer to attached Drawing AD-21, B1 for revised wall types and added wall type tag.

25. Sheet A620
    DELETE: Entire Drawing.
    REPLACE WITH: Revised Drawing A620.
26. **Sheet A621**  
**DELETE:** Entire Drawing.  
**REPLACE WITH:** Revised Drawing A621.

27. **Sheet A622**  
**DELETE:** Entire Drawing.  
**REPLACE WITH:** Revised Drawing A622.

28. **Sheet A623**  
**DELETE:** Entire Drawing.  
**REPLACE WITH:** Revised Drawing A623.

29. **Sheet A624**  
**DELETE:** Entire Drawing.  
**REPLACE WITH:** Revised Drawing A624.

**ATTACHMENTS:** 096723 RESINOUS FLOORING, A620, A621, A622, A623, A624, AD-02, AD-03, AD-04, AD-05, AD-06, AD-07, AD-08, AD-09, AD-10, AD-11, AD-12, AD-13, AD-14, AD-15, AD-16, AD-17, AD-18, AD-19, AD-20, AD-21.

**END OF ADDENDUM #2 - DESIGN PACKAGE TWO**
SECTION 096723 - RESINOUS FLOORING

PART 1 - GENERAL

1.1 SUMMARY
A. Section includes resinous flooring system.
B. Contractor shall coordinate with Owner for sequencing and schedule of flooring installation.

1.2 PREINSTALLATION MEETINGS
A. Preinstallation Conference: Conduct conference at Project site.
   1. Hold pre-application meeting two weeks prior to the start of application of floor coating system.
   2. Required attendance: Owner’s Representative, Contractor, Architect, Flooring Installer, and Manufacturer’s Representative.
   3. Review surface preparation, application, cleaning, protection and coordination with other work.

1.3 INFORMATIONAL SUBMITTALS
A. Installer Certificates: Signed by manufacturer certifying that installers comply with specified requirements.
B. Material Certificates: For each resinous flooring component, from manufacturer.
C. Material Test Reports: For each resinous flooring system, by a qualified testing agency.

1.4 CLOSEOUT SUBMITTALS
A. Maintenance Data: For resinous flooring to include in maintenance manuals.

1.5 QUALITY ASSURANCE
A. Installer Qualifications: An authorized representative who is trained and approved by manufacturer.
   1. Engage an installer who is certified in writing by resinous flooring manufacturer as qualified to apply resinous flooring systems indicated.
   2. A minimum of three years’ experience in the application of coatings or resurfacers to concrete floors.
   3. A minimum of ten jobs or 1,000,000 sq. ft. of successful applications.
1.6 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. Storage Temperature: 65-degree F minimum and 90-degree F maximum.

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. Close spaces to traffic during resinous flooring application and for 24 hours after application unless manufacturer recommends a longer period.

C. Field Verification: Prior to construction, field-verify existing epoxy flooring. If existing system varies from specified product, report to Architect or Owner’s Representative before proceeding with installation of new system.

1.8 GUARANTEE

A. The coating applicator and manufacturer shall jointly guarantee the performance of the material and workmanship for a period of three years from the date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. VOC Content of Liquid-Applied Flooring Components: Not more than 100 g/L when calculated according to 40 CFR 59, Subpart D (EPA Method 24).

B. Flammability: Self-extinguishing according to ASTM D 635.

2.2 MANUFACTURERS

A. Source Limitations: Obtain primary resinous flooring materials, including primers, resins, hardening agents, grouting coats, and topcoats, from single source from single manufacturer. Obtain secondary materials, including patching and fill material, joint sealant, and repair materials, of type and from manufacturer recommended in writing by manufacturer of primary materials.
2.3 RESINOUS FLOORING [EPX-1]:

A. Resinous Flooring System: Abrasion-, impact-, and chemical-resistant, aggregate-filled, and resin-based monolithic flooring system designed to produce a seamless, slip resistant surface on interior concrete floors and integral cove base [EPXB].
   1. Basis-of-Design product: Subject to compliance with requirements, provide the following or comparable product approved by Architect:
      a. Epoxy; Desco; Quartz Cremona TG O.R. Series with Desco Bio-Finish.

B. System Characteristics:
   1. Wearing Surface: Textured for slip resistance, orange peel texture.
   2. Overall System Thickness: 3/16 inch to 1/4 inch. If specified thickness varies from existing system, notify Architect.

C. Primer: Type recommended by resinous flooring manufacturer for substrate and resinous flooring system indicated.

D. Integral Cove Base:
   1. Height: 4 inches. Field verify to match existing conditions.
   2. Cove Radius: 1 inch. Field verify to match existing conditions.
   3. Trowel apply vertical cove base.
   5. Apply three coats of resin to assure a smooth surface and cove.
   6. Do not allow resin to puddle in cove.

E. System Color and Pattern:
   1. Color: To match existing system color.
   2. Pattern: To match existing system pattern.

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. Shot-blast surfaces with an apparatus that abrades the concrete surface, contains the dispersed shot within the apparatus, and recirculates the shot by vacuum pickup.
      b. Comply with NACE No. 6/SSPC-SP13, with a Concrete Surface Profile (CSP) of 3 or greater in accordance with the 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 F 1869. 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 F 2170. Proceed with installation only after substrates have a maximum 80 percent relative humidity level measurement.

C. Patching and Filling: Use patching and fill material to fill holes and depressions in substrates according to manufacturer's written instructions.
   1. Control Joint Treatment: Treat control joints and other nonmoving substrate cracks to prevent cracks from reflecting through resinous flooring according to manufacturer's written instructions.

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

3.2 APPLICATION

A. 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 intercoat adhesion.
   2. Cure resinous flooring components according to manufacturer's written instructions. Prevent contamination during application and curing processes.
   3. 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 at existing slab conditions.

D. Integral Cove Base: 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, troweling, sanding, and topcoating of cove base. Round internal and external corners.
   1. Integral Cove Base: 4 inches high. Field verify to match existing conditions.
   2. Surfaces to receive cove base shall be strong, durable and dry. Surfaces to be free of voids, irregularities and recessed joints.

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. Apply broadcast body coats in thickness indicated for flooring system. When cured, remove trowel marks and roughness using method recommended by manufacturer.

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.
3.3 FIELD QUALITY CONTROL

A. Material Sampling: Owner may, at any time and any number 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.

3.4 PROTECTION

A. Close job site to traffic for a period of up to 48 hours after coating application depending on temperature and humidity of spaces.

B. Protect resinous flooring from damage and wear during the remainder of construction period. Use protective methods and materials, including temporary covering, recommended in writing by resinous flooring manufacturer.

C. Protect work of other trades, whether to be coated or not, against damage. Correct damage by cleaning, repair or replacing, and recoating, as directed by Architect. Leave work in undamaged condition.

D. After coating application, remove temporary protective wrappings for protection of other work during coatings operation.

END OF SECTION 096723
### General Finish Schedule Notes:

1. **Decorative Ceiling Tile:** ACT-1, PT-32 at soffit.

2. **Stainless Steel:** Wall protection.

3. **Lighting Consultant:** FW.

4. **Resilient Base:** 2161, 2166.

5. **Electrical Closet:** VCT-1, RB-8, PT-32, PT-32.

6. **Equipment Storage:** VCT-1, RB-2, PT-44, PT-44, PT-44.

7. **Break Room:** SV-5, RB-2, PT-2, PT-2, PT-5.

8. **Rec. 1:** SV-5, RB-1, PT-3, WP-3.

9. **Rec. 2:** SV-5, RB-1, PT-5, PT-3, WP-3.

10. **Rec. 3:** SV-1, RB-1, PT-3, WP-3.

11. **Rec. 4:** SV-1, RB-1, PT-3, WP-3.

12. **Rec. 5:** SV-1, RB-1, PT-3, WP-3.

13. **Rec. 6:** SV-1, RB-1, PT-3, WP-3.

14. **Rec. 7:** SV-1, RB-1, PT-3, WP-3.

15. **Rec. 8:** SV-1, RB-1, PT-3, WP-3.

### Finishes and Colors:

- **North East:** Existing finishes.
- **South West:** New finishes to match existing.
- **South:** New finishes.
- **North:** New finishes.

### General Intent:

- **New Paint:** To match existing paint.
- **New Wall Protection:** Installation heights to be field-verified against existing protective wall covering.
- **New Luxury Vinyl Tile:** To match existing luxury vinyl tile.
- **Heat Welded:** Seams to be heat welded, unless otherwise recommended per manufacturer.

### Schedules:

- **Sheet Vinyl:** Seams to be heat welded, unless otherwise noted.
- **Luxury Vinyl:** New luxury vinyl to match existing.
- **Matching Pattern Direction:** New finishes.

### Approval:

- **Drawn By:** MAJID AMIRAHMADI - ARCHITECT.
- **Approved By:**
- **Seal:**

### Date:

- **September 24, 2019**

---

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**Issue for Bid:** CP180131

**Date:** 2 ISSUE FOR BID 08/30/2019

**Addendum #2, Design Package Two:** 09/24/2019
### 3rd Floor Finish Schedule

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### Notes
- **WALL COVERING**: To be applied at a minimum height of 3'-6" above the finish floor. Field-verify to match existing condition.
- **FINISHES**: To be field-verified against existing finishes prior to construction. General intent is for new protective wall covering installed height. New coved sheet vinyl bases to match existing and adjacent coved sheet vinyl bases.
- **SOFFIT UNDERSIDE**: PT-33 at soffit underside.
- **NEW WC**: Flooring in the entire room to be replaced.
- **NEW WP**: Sealed concrete floor to be replaced.
- **ACTUATION**: Actuation panels to be installed according to the specifications.
- **EXIST. WP**: Existing wall protection to be replaced.

### Issue for Bid
- **ADDITIONAL A2**: Design package two.
MISSOURI STATE CERTIFICATE OF AUTHORITY #000582

ABOVE FINISH FLOOR, FIELD-VERIFY TO MATCH EXISTING CONDITION. STAINLESS STEEL AT MOP SINK TO BE SALVAGED.

STAINLESS STEEL

LENGTH: 4'-0"

REPLACE ALL FLOORING IN ENTIRE ROOM. WC-3 TO BE APPLIED.

A.F.F., GROUTED WITH MAPEI TILE GROUT, COLOR: 94 STRAW

ABOVE FINISH FLOOR, FIELD-VERIFY AGAINST CONSTRUCTION. GENERAL INTENT IS FOR NEW FINISHES TO MATCH EXISTING FINISHES TO BE FIELD-VERIFIED AGAINST EXISTING PROTECTIVE WALL COVERING FINISHES PRIOR TO CONSTRUCTION. GENERAL INTENT IS FOR NEW PROTECTIVE INSTALLATION HEIGHT TO MATCH EXISTING PROTECTIVE INSTALLATION HEIGHT TO BE TERMINATED AND TRANSITIONED SUCH THAT FINAL FINISH OF ALL SURFACES COMPLETELY COORDINATED.

EPOXY FLOORING

ALL SCHEDULED WALL PROTECTION FOR THE CURATORS OF EXISTING WALL PROTECTION.

HEIGHTS TO BE FIELD-VERIFIED AGAINST EXISTING WALL BASES PRIOR TO CONSTRUCTION. GENERAL INTENT IS FOR NEW PAINT TO MATCH EXISTING PAINT.

MATCHING EXISTING SCHEDULED WALL PROTECTION.

MATCH WOOD GRAIN SURFACE MATERIAL SSRF-1, UNLESS NOTED OTHERWISE.

ALL NEW WINDOW SILLS TO BE SOLID FINISHES TO BE FIELD-VERIFIED AGAINST EXISTING SHEET VINYL FLOORING. MATCH WOOD GRAIN SURFACE MATERIAL SSRF-1, UNLESS NOTED OTHERWISE.

GENERAL INTENT IS FOR NEW FINISHES TO MATCH EXISTING FINISHES PRIOR TO CONSTRUCTION. GENERAL INTENT IS FOR NEW PAINT TO MATCH EXISTING PAINT.
PH 9 - 3349 OR #B | B6 PH 1 DEMO ROOM 5518 | B1

REMOVE EXISTING EPOXY FLOORING AND COVE BASE AS NEEDED FOR NEW CONSTRUCTION.

SCALE: 1/4" = 1'-0" B1PH 1 DEMO ROOM 5518

SCALE: 1/4" = 1'-0" B6PH 9 - 3349 OR #B

SCALE: 1/4" = 1'-0" B1PH 1 DEMO ROOM 5518
REMOVE EXISTING EPOXY FLOORING AND COVE BASE AS NEEDED FOR NEW CONSTRUCTION.
ADDENDUM #2
DESIGN PACKAGE TWO
September 24, 2019
Scale: 1/4" = 1'-0"

PH 3 3338 CONFERENCE | B6

PH 3 - 3335 TRIAGE | B1

FIELD VERIFY CONDITIONS PRIOR TO RELOCATING WALL CABINET AND WHITE BOARD. COORDINATE RELOCATION WITH OWNER.
PH 6 - 3344 WORKROOM

SCALE: 1/4" = 1'-0"

COLUMN FINISH TO BE COORDINATED BETWEEN PHASES SIX AND SEVEN

COORDINATE IFC BARRIER IN NURSES STATION BETWEEN PHASES SIX AND SEVEN

PH 6 - 5209 SUPPLY

SCALE: 1/4" = 1'-0"

PH 6 5201B OFFICE

SCALE: 1/4" = 1'-0"
Column finish to be coordinated between phases six and seven

Coordinate IFC barrier in nurses station between phases six and seven

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WOMEN’S AND CHILDREN’S HOSPITAL - EXTERIOR ENVELOPE REPLACEMENT

PH 7 - WORKROOM

SCALE: 1/4" = 1'-0"

September 24, 2019
ADDENDUM #2
DESIGN PACKAGE TWO

© 2019 INTERNATIONAL ARCHITECTS ATELIER
PH 7 4445 PICU ROOM #1

SCALE: 1/4" = 1'-0"

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WOMEN’S AND CHILDREN’S HOSPITAL - EXTERIOR ENVELOPE REPLACEMENT

ADENDUM #2, DESIGN PACKAGE TWO
September 24, 2019

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AD-15

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PH 7 5547 PATIENT ROOM

SCALE: 1/4" = 1'-0"
PH 8 - 4448 PICU ROOM #4

SCALE: 1/4" = 1'-0"

AD-17

WOMEN'S AND CHILDREN'S HOSPITAL - EXTERIOR ENVELOPE REPLACEMENT

SCALE: 1/4" = 1'-0"

AD-17

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