ADDENDUM 1 **July 27, 2021**

Renovation to Ida B. Wells School for:
Jackson Public School District
Jackson, Mississippi

This Addendum, which contains revisions to the Work contained in the **Contract Documents** dated **June 15, 2021** shall become a part of such Drawings and Specifications as if bound therein. Other requirements shall remain as specified.

The above named Contract Documents are hereby modified, corrected, and/or supplemented by this Addendum as follows:

PERTAINING TO DRAWINGS

n/a

PERTAINING TO SPECIFICATIONS

1. Please **replace** Specification Section 01020 - Allowances, with the provided, attached version. Of note: Allowances were added to Alternate #1 and Alternate #2.
2. Refer to Specification Section 01100 – Summary of Work/1.05/D. Time Restrictions and replace with the following:
   "1. Coordinate with Jackson Public School District and School Principal as to applicable work hours.
   2. Limit conduct of especially noisy exterior work to the hours of Monday – Friday 2:30 p.m. – 7:00 pm and Weekends 7:00 am – 7:00 pm.
   3. Limit conduct of especially noisy interior work to the hours of Monday – Friday 2:30 pm – 10:00 pm and Weekends 7:00 am – 7:00 pm."
3. Please **add** Specification Section 10440 – Interior Signage, with the provided, attached version.

GENERAL CLARIFICATIONS

1. Please see Pre-Bid Conference Meeting Minutes with Sign-In Sheet, included herein.
2. Concerns about Asbestos Containing Materials and Lead Based Paint were brought up during the Pre-Bid Conference Meeting. Please see attached Asbestos Material Survey dated December 18, 2020, and Lead-Based Paint Inspection and Assessment dated December 18, 2020, for material assessments. Lead-based paint work should be addressed either by a Lead-based Abatement Contractor or by a Lead-based Paint RRP Contractor. After the Lead-based work has been done, EMP or another third party should lead-based paint dust wipe clearances, one beneath each of the doors to receive work.
3. Contract is likely to be signed with NTP issued in September. No demolition should occur until materials have arrived to begin renovation activities. All areas set for construction are imperative for school activities, therefore, all demolition/renovation activities should not begin without principal's prior knowledge and coordination. A tentative guide for construction phasing is as follows:
   a. The school has performances within the auditorium throughout the school year with the last event occurring in May. Work in auditorium should begin as soon as materials are available, in coordination with principal. Performances can be relocated/rescheduled as needed to accomplish work.

b. New lobby construction can begin at any time, after coordination with principal for planning of alternate route for entry.

c. If new restrooms in Alternate #1 are accepted, start and finish these, then start renovation on the existing restrooms (pending material arrival). If new restrooms in Alternate #1 are not accepted, renovation of existing restrooms in Base Bid should be pushed until summer break. (Restrooms in Base Bid are the only restrooms in the school). Alternate route around rear courtyard should be coordinated with Principal. Contractors should plan for Alternate #1 to not be accepted when planning schedule of construction for bidding purposes.

d. If alternate #2 is accepted, students will be shuffled within the portables to accomplish this work in three portions. The start of this work will be dependent on lead times, but should start as soon as materials are available. Relocation of students/classes should be coordinated with Principal.

This phasing plan should be used as a guide only. Awarded contractor is able to make adjustments as they see fit to accomplish work with minimal disturbance to students/faculty/staff with coordination from Owner.

4. The following questions were submitted by plan holders of the project. Please see subsequent answers in bold:

a. Plans show demo of existing timber walkways and ramps as part of Base Bid. What is put back if Alternate #2 is not accepted?
Walkways and Ramps around portable buildings are not to be demolished unless Alternate #2 is accepted by the Owner.

b. Will there be availability for equipment to access the walkways and canopies at the rear of the project site?
There is chainlink fencing at rear of site with access to portable buildings and rear courtyard through an approximately 4' wide gate. If fencing is disturbed by contractor, at contractor's choice, in order to access site, fence will need to be replaced at contractor's expense.

c. Sheet A1.00.6 shows the Alternate #2 plan. Keynote tag #12 indicates new concrete sidewalk construction. Are the sidewalks at tag #12 on this sheet part of the base bid or Alternate #2?
Concrete sidewalks delineated by a note 12 on this sheet are not part of the base bid. Note 12 sidewalks by the portable buildings are part of Alternate #2. There is one small section by new restrooms, where note 12 delineates a portion of ground where no concrete is located. New sidewalk should be included here as part of Alternate #1.

d. If new lighting is included at the Auditorium, will the existing ceiling grid & tile remain?
Existing ceiling is to remain, to be painted.

e. Please confirm that work related to Detail 3/C2.0 will be under Alternate #1 only.
Correct.

f. Please confirm that work related to Detail 4/C2.0 will be under Base Bid only.
Correct.

g. Current drawings show demo of existing canopies and the provision of new canopies are under Alternate #2. However, at the pre-bid meeting, new canopies were not listed in the overall scope of work on the pre-bid meeting agenda. Please clarify.
New canopies were inadvertently left off the pre-bid conference meeting agenda. Please refer to drawings/specs for the project's scope of work.

h. Under Alternate #1: Is the GC expected to install new concrete walks under all of the new aluminum raised walkways and ramps?
No. Locations of new concrete sidewalks are indicated on Sheet A1.00.6 indicated by note 12.

i. The G90 galv. metal door frames/doors are a bit more expensive than the G60. Typically, the G90 doors are used in areas with large amount of salty water like along the coast. They think the G60 doors/frames will hold up plenty for this project. Also, the STC (Sound Transmitted Count) for these wood doors is higher than normal with is a significate cost increase. Is there a reason to use a door with such high STC?
G60 is acceptable; only exterior doors are required to be galvanized.
Wood doors should have a 31 minimum STC rating.

5. Prior Approval is given to the following products and manufacturers:

Section 10530 – Extruded Aluminum Walkway Covers
1. Glendale Enterprises, Inc. - Pelican Protective Covers, LLC

END OF ARCHITECTURAL ADDENDUM 1

7/27/2021

SECTION 01020 - ALLOWANCES

PART 1 – GENERAL

1.01 SUMMARY

A. Types of allowances required include the following: Lump sum and unit price allowances. Procedures for submitting and handling Allowances will be as directed by the Architect. Contractor overhead and profit will NOT be affected by any variance in Allowances.

1.02 SELECTION AND PURCHASE

A. Purchase products and systems as selected by the Architect from the designated supplier.

B. The designated allowance is to be used only for the net purchase price of the denominated item. Any adjunct or related costs to be incurred by the contractor should be anticipated and included in the contract sum, not as part of the allowance monies.

C. The Contractor shall include in the Contract Sum all allowances stated in the Contract Documents. Items covered by allowances shall be supplied for such amounts and by such persons or entities as the Owner may direct, but the Contractor shall not be required to employ persons or entities against which the Contractor makes reasonable objection.

D. Unless otherwise provided in the Contract Documents:
1. Allowances shall cover the cost to the Contractor of materials and equipment delivered at the site and all required taxes, less applicable trade discounts;
2 Contractor's costs for unloading and handling at the site, labor, installation costs, overhead, profit and other expenses contemplated for stated allowance amounts shall be included in the Contract Sum and not in the allowances;
3 Whenever costs are more than or less than allowances, the Contract Sum shall be adjusted accordingly by Change Order. The amount of the Change Order shall reflect
a. The difference between actual costs and the allowances
b. Changes in Contractor's costs

1.03 SUBMITTALS

A. Submit proposals in the form specified for Change Orders with invoices or delivery slips to indicate actual quantities of materials delivered to the site for use in fulfillment of each allowance.

PART 2 – PRODUCTS

2.01 SCHEDULE OF ALLOWANCES

A. Allowances are Lump Sum and include purchase, delivery and installation unless noted otherwise.

1. $50,000 LUMP SUM ALLOWANCE TO COVER COST OF UNFORESEEN WORK NOT PREVIOUSLY IDENTIFIED IN THE CONSTRUCTION DOCUMENTS, IN THE BASE BID.
2. $12,000 LUMP SUM CUSTODIAL ALLOWANCE.
3. $50,000 LUMP SUM ALLOWANCE TO COVER COST OF UNFORSEEN WORK NOT PREVIOUSLY IDENTIFIED IN CONSTRUCTION DOCUMENTS, TO BE INCLUDED IN ALTERNATE #1.
4. $50,000 LUMP SUM ALLOWANCE TO COVER COST OF REMOVING EXISTING DATA AND INTERCOM CABLING ON EXISTING CANOPIES TO BE DEMOLISHED, AND PROVIDING AND INSTALLING NEW CAT6 WIRE FOR INTERNET AND NEW CAT5 WIRE FOR INTERCOM ON NEW CANOPIES, TO BE INCLUDED IN ALTERNATE #2.

B. Allowances are to be listed as separate line items on approved Schedule of Values.

PART 3 – EXECUTION

3.01 INSPECTION/PREPARATION

A. Inspect products covered by an allowance promptly upon delivery for damage or defects. Coordinate materials and their installation for each allowance with related materials and installations to ensure that each allowance item is completely integrated and interfaced with related construction activities.

3.02 ALLOWANCE COST ADJUSTMENT

A. At contract closeout, all monies remaining (or due) in the Allowances shall be adjusted by Change Order.

END OF SECTION 01020

SECTION 10440 - INTERIOR SIGNAGE

PART 1 – GENERAL

1.01 SECTION INCLUDES

A. Interior signage of the following types:
   1. ADA compliant interior signage.

1.02 REFERENCES

A. ICC/ANSI A117.1 - Accessible and Useable Buildings and Facilities; 1998.

B. USATBCB - Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG).

1.03 SUBMITTALS

A. Submit under provisions of Section 01300.

B. Product Data: Manufacturer's data sheets on each product to be used, including:
   1. Manufacturer's descriptive literature.
   2. Installation methods.

C. Shop Drawings: List sign styles, lettering, locations and dimensions of each interior sign.

D. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.

E. Verification Samples: Two full size samples, representing type, style and colors including method of attachment.

1.04 QUALITY ASSURANCE

A. Regulatory Requirements: Comply with requirements of ICC/ANSI A117.1 and ADAAG.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Store products in manufacturer's unopened packaging until ready for installation.

B. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

1.06 PROJECT CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results.

B. Do not install products under environmental conditions outside manufacturer's absolute limits.

PART 2 – PRODUCTS

2.01 MANUFACTURERS

A. Subject to compliance with requirements of this Section, manufacturers offering products that may be incorporated into the Work are not limited.

2.02 INTERIOR SIGNS

A. Standard Products: The following interior sign systems shall be provided in at the rate of 1 per interior door as per floor plans

B. Interior Room Signage Type 1: Acrylic based with photo polymer sheet.
1. Composition: Plaque material shall be melamine plastic laminate, approximately 1/8" thick with contrasting core color. The melamine shall be non-static, fire-retardant and self-extinguishing. The plastic laminate will be impervious to most acids, alkalies, alcohol, solvents, abrasives and boiling water.
2. Base thickness: 0.190 inch (4.8 mm).
3. Color: To be selected from manufacturer's full color range by Architect.
4. Surface burning characteristics: Flame spread/smoke developed rating less than 75/120, tested to ASTM E84 and UL 723.
5. Rate of burning: Tested to ASTM D635 at nominal 0.060 inch (1.5 mm) thickness with resulting Classification CC1.
6. Rate of burning: Tested to ASTM D635 at nominal 0.060 inch (1.5 mm) thickness with resulting Classification CC1.
7. Self ignition temperature: 800 degrees F (427 degrees C), tested to ASTM D1929.
8. Tactile characters shall be raised the required 1/32" inches from sign face. Glue-on letters or etched backgrounds are not acceptable.
9. All text shall be accompanied by Grade 2 braille. Braille shall be separated 1/2" from the corresponding raised characters or symbols. Grade 2 braille translation to be provided by signage manufacturer.
10. Perimeter borders shall be 3/8". (optional)
11. All letters, numbers and/or symbols shall contrast with their background, either light characters on a dark background or dark characters on a light background. Characters and background shall have a non-glare finish.
12. Size of letters and numbers shall be as follows:
    a. Room numbers shall be 1".
    b. Lettering for room ID signs shall be 3/4".
    c. Symbol size shall be 4".
    d. Standard Grade 2 braille shall be 1/2" below copy.
    e. Center justified.
13. Signage Sizes
    1. Restroom signs shall be design size 10" x 10" with a 4" accessibility symbol, gender symbol and the verbal description placed directly below followed by Grade 2

braille.
2. Corners: rounded

13. Signage as follows:
   a. Female Restroom – one (1) at door to restroom, one (1) at door to restroom corridor
   b. Male Restroom – one (1) at door to restroom, one (1) at door to restroom corridor
   c. Faculty Restroom – one (1) at door
   d. Female Restroom Alternate #1 – one (1) at door to restroom
   e. Male Restroom Alternate #1 – one (1) at door to restroom

2.03 ACCESSORIES

A. Adhesive:
   1. Type recommended by sign manufacturer.
   2. Maximum volatile organic compound (VOC) content: 70 grams per liter.

B. Tape: Double sided, waterproof, pressure sensitive.

C. Fasteners: Chrome plated screws.

D. Fasteners: Brass screws.

E. Fasteners: Stainless steel screws.

2.04 FABRICATION

A. Fabricate panel material in accordance with manufacturer's instructions and approved shop drawings.

B. Fabricate signs by photo polymer process using film negatives to produce characters and graphics in contrasting color, raised. Refer to Signage Schedule.

C. Provide Grade II Braille indications for each character.

PART 3 – EXECUTION

3.01 EXAMINATION

A. Do not begin installation until surfaces to receive signs have been finished and finishes are dry and correctly cured.

B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.02 PREPARATION

A. Clean surfaces thoroughly prior to installation.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.03 INSTALLATION

A. Install in accordance with manufacturer's instructions.

B. Locate signs in accordance with approved shop drawings and ADA requirements.

3.04 PROTECTION

A. Protect installed products until completion of project.

B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION 10440

Pre-Bid Meeting Minutes
Renovation to:
Ida B. Wells School for:
Jackson Public School District
Jackson, Mississippi
July 22, 2021 - 10:00 am
Architects Project Number – 20-004.1
Owners Project Number – 3194

M3A Architecture stated the Objective:
The purpose of the conference is to outline bidding requirements and provide an opportunity for the Plan Holders to look, observe, and take notes of site conditions.

I. Introductions were made of the participants of the conference:

A. Team Members**:**
- Owner: Jackson Public School District
  - Lena Franklin
- Architect: M3A Architecture, PLLC/William L. McElroy AIA, NCARB
  - Kali Blakeney – Project Manager

II. General Comments were as follows:

A. Confirm Sign-In
Pre-Bid Meeting is Non-Mandatory, verify that all contact information is on the sign in sheet for verification of attendance.

B. Minutes of Conference
Minutes of conference will be provided in a forthcoming addendum, along with copies of the original sign in sheet.

III. Contract Documents were discussed:

A. Project Scope
1. Base Bid Scope
   A. Renovation to Ida B. Wells APAC School:
      1. New Front Lobby
      2. Interior Renovations to Auditorium:
         New Flooring, Painting, New Seating, New Stage Curtain, New Seating, New Blackout Shades, New Acoustical Wall Panels, New Sound Booth, New Lighting, Sound Equipment and HVAC.
      3. Renovations to Existing Faculty, Boy's and Girl's Restrooms
      4. Sidewalk Repairs

   Alternate #1
      1. New Restroom Building in Rear Courtyard

   Alternate #2
      1. Demolition of Wooden Walkways/Stairs, Construction of New Raised Aluminum Walkways, Stairs, and Ramps at Existing Portable Buildings; Site Repair Around Portable Buildings

B. Addendums
1. To date, no Addendum has been issued. The last day for RFI's (Requests for Information) is **July 29, 2021.** This is seven (7) days before August 5, 2021, bid opening day.

IV. Review of Bidding Requirements:

A. Instructions to Bidders (Section 00200)
- Bid Submission Requirements
  - Board of Trustees of the Jackson Public School District
    Business Office
    662 South President Street
    Jackson, Mississippi
  - 10:00 am on August 5, 2021

- Electronic Submissions will be accepted on **www.jpsdmsprojects.com**, visit website for further information
- Bid Documents Identification and Availability
  - Project Name: Renovation to Ida B. Wells APAC School
  - Architects Project Number: 20-004.1
  - Project Document Date: June 15, 2021
- Site Assessment
  - Bidders will be able to investigate site today after conclusion of meeting
  - Site Assessment visits after today must be arranged by contacting M3A Architecture within 48 hours of desired date and time of visit.
- Bidder Qualifications
  - Mississippi Licensed Contractor and Subcontractor
  - **Attendance at Pre Bid Meeting is Not Mandatory to submit bids**
- Bid Submission Procedure
  - Submit on provided Proposal Form – Section 00400
  - Submit One (1) original and Two (2) copies
  - Bid bond attached to original bid
  - Other documentations required, submitted in triplicate
  - Faxed copies not accepted
- Bid Requirements
  - Bid Bond
  - Signature and Seal
- Offer Acceptance/Rejection
  - Owner reserves the right to reject or accept any offers
  - Bids shall remain open for a forty-five (45) day period

B. Proposal Form (Section 00400)

- To be submitted at required date and time
- Submit One (1) Original, and Two (2) Copies
- Clean Proposal Form will be provided by Addendum
- No other proposal form may be used for bid submission
- Bids may be submitted electronically through **www.jpsdmsprojects.com**.

C. JPS MBE Policy (Section 00440)

- Purpose is to encourage the development of minority and women business enterprises and to promote equal business opportunities in the District and the community.
- Contractors shall indicate on their bid proposal their good-faith efforts to procure minority business enterprise participation.

D. Bond Forms (Section 00600)

- Identification of required bond forms for selected bidder
  - Performance Bond- Provided by JPS
  - Payment Bond- Provided by JPS

E. General Conditions (Section 00700)

- Identification of Project General Conditions Standard Form
  - AIA A201 General Conditions of the Contract for Construction, 2007 Edition

F. Supplementary Conditions (Section 00800)

- Addendum to Standard Form of Agreement Between Owner and Contractor Where the Basis of Payment is a Stipulated Sum, AIA Document A101-2017, and to AIA Document A101-2017 Exhibit A, Insurance and Bonds, and to General Conditions of the Contract for Construction, AIA Document A201-2017
  - The Contract Documents
  - The Contract Sum
  - Payments
  - Dispute Resolution

- Miscellaneous Provisions
- Enumeration of Contract Documents
- General Provisions
- Owner
- Contractor
- Architect
- Subcontractors
- Construction by Owner or by Separate Contractors
- Changes in the Work
- Time
- Payment and Completion
- Protection of Persons and Property
- Insurance and Bonds
- Uncovering and Correction of Work
- Miscellaneous Provisions
- Termination or Suspension of the Contract
- Claims and Disputes

G. Insurance Requirements (Section 00900)

- Identifies Contractor and Owner Project Insurance Requirements
  - Automobile/Vehicle Liability Coverage
  - Commercial General Liability Coverage
  - Commercial Umbrella Coverage
  - Workers Compensation and Employers Liability Coverage
  - Owners Liability Coverage
  - Property Damage

V. Site Issues / Miscellaneous were discussed, as follows:

A. Site Access Discussion

- Construction parking, construction lay down area and site access will be provided on site, to be determined before start of construction.
- Awarded Contractor will be allowed full and unimpeded access to the site once construction begins.
- Care and Caution should be taken to avoid, disruption of school activities as much as possible.

B. Site Security Discussion

- It will be on the Contractor to provide site security for all property, including the building itself and all building elements.

C. Hours of Operation

- Construction hours will be determined by Ida B. Wells APAC School and JPS calendar and events. Contractor to verify the school's activities and schedules with the Principal/ Assistant Principal.

D. Construction Activities

- Noise generating activities that will affect the instruction and activities of Ida B. Wells APAC School must be minimized and coordinated with the Principal, Assistant Principal and Office Manager.

E. Tobacco-Alcohol-Drugs

- No construction personnel are allowed to possess, use, and or abuse any illegal substances on site or before arriving to the site for work.
- Anyone caught or suspected of use or abuse of illegal substances will be escorted from the site by the proper authorities, and will not be allowed to return for the duration of the project.

F. Cleanliness of Site

- Daily cleaning of exterior of site will be required.

- Interior cleaning will be required in order to maintain a safe working environment for construction employees.

G. Safety

- All jurisdictional workplace safety guidelines should be in place and maintained from start to finish.

VI. Site Visit Arrangements were discussed, as follows:

A. Contractors are allowed to visit the site after contacting M3A Architecture to arrange for access to building. Please allow a minimum of forty eight (48) hours to arrange site visits.

VII. An open discussion by all participants was had:

A. Professional Representatives are in attendance; however, all items that need clarification should be properly submitted to the Architect in a Request for Information (RFI) format to be binding to the bid process. No answers provided verbally at the pre bid meeting today are binding to the contract. All answers must be in writing through the addendum process in order to be binding to the contract.

Project Professional Contact Information
M3A Architects, PLLC/William L. McElroy AIA, NCARB
4880 McWillie Circle
Jackson, Mississippi 39206
P – 601-981-1227/F – 601-983-4444
Kali Blakeney – Project Manager
kblakeney@m3aarch.com

INSTIGO • INSPIRE • QUOD VERTO

M3A ARCHITECTURE

William L. McElroy, AIA, NCARB

M3A Youtube Channel Scan QR Code With Mobile Device

Renovation to Ida B. Wells APAC School
Jackson, Mississippi

• Pre-Bid Meeting •
Sign-In

July 22, 2021
10:00 am

PLEASE PRINT

Name	Company	Phone Number / Email Address
LARRY STEWART	Technological Sys.	(601) 1ssystec0398@gmail.com 391-1172
Joey Sullivan	Sullivan Enterprises, In	(601) 849-2401 office@sullivanent.net
Nick Kamino	Moyrant	(601) 573-6985 nick@Moyrant.com
SteSha Mannery	JPS (Wells Elementary)	( )
Chris Deupree	Benchmark	(601) 362-6140 cdeupree@benchmarkms.com
MITCH SIMPSON	BIG CONSTRUCTION	(601) 209-5110 MITCH@BIGCONSTRUCTIONMS.COM
John Skelton	BIG Construction	(601) 540 8099 John@BIGConstructionms.com
Tyler Harris	Harris Construction	(769) 798-0942 Tyler@Harrisonms.com

PLEASE PRINT

Name	Company	Phone Number / Email Address
Marty Kulinski	Flagstar Construction	(601) 824-4646 Marty@flagstarconstruction.com
ALLEN MARLER	DCS	(601) 961-6216 amarler@dcscorp.net
John Forelowbosley	McInnis Systems	(601) 397-2180 john@mcinnisco.com
Lena Franklin	Jackson Public Schools	(601) 960-8895
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Environmental Management Plus, Inc.

December 18, 2020

Ms. Lena Franklin
Architectural Designer, JPS
662 So. President St.
Jackson, MS 39201

RE: Power APAC School
Asbestos and Lead-Based Paint Survey Reports

Dear Ms. Franklin:

Environmental Management Plus, Inc. is pleased to have completed the asbestos and Lead-Based Paint inspection reports for the above referenced building. The inspection has been prepared in a manner which should be very easy to understand. As the report will indicate, no asbestos containing materials (ACM) were detected. However, lead-based paint (LBP) was detected. Therefore, lead-based paint remediation options should be discussed and developed. Please review the report for detailed information and let me know when to proceed.

We certainly appreciate the opportunity to work with you. E.M.P. is committed to providing the most professional services. If there are any questions, please do not hesitate to give me a call at (601) 922-1919 or email alsyukon2@aol.com.

Sincerely,

Alfred L. Martin, Ph.D.

Alfred L. Martin, Jr., Ph.D.
Senior Project Manager

Address: 117 Richardson Drive | P.O. Box 9361 | Jackson, MS 39286-9361
Office: (601) 922-1919 **Fax:** (601) 922-1979 **Email:** alsyukon2@aol.com
www.envmgntplus.com

ASBESTOS MATERIAL SURVEY

Power APAC School
1120 Riverside Dr.
Jackson, MS 39202

Jackson Public Schools
662 So. President Street
Jackson, Mississippi 39201

Submitted to:
Ms. Lena Franklin
Architectural Designer, JPS
662 So. President St.
Jackson, MS 39201

Report prepared by:
Alfred L. Martin, Jr., Ph.D.
MDEQ Certified Asbestos Inspector
No. ABI- 1570 Expiration 3/13/21

ENVIRONMENTAL MANAGEMENT PLUS, INC.
P. O. Box 9361
JACKSON, MISSISSIPPI 39286-9361
(601) 922-1919 FAX (601)922-1979

December 18, 2020

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ASBESTOS INSPECTION REPORT CERTIFICATION

Project: **Power APAC School**
1120 Riverside Drive
Jackson, MS 39202

Date: **December 18, 2020**

I hereby certify this report constitutes an accurate presentation of an asbestos material survey, sample collection, and analysis conducted for the upcoming renovation for the above project for Power APAC School for Jackson Public Schools located in Jackson, Mississippi and their duly authorized representative Mr. William McElroy, AIA with M3A Architecture, PLLC, to determine the presence and location of suspect asbestos containing materials.

Alfred L. Martin, Ph.D.

December 18, 2020

Date:

Alfred L. Martin, Ph.D.
Project Manager QA/QC
Certification No. ABI- 1570
Exp. 3/13/21

I have examined this report and hereby certify the accuracy and acceptability of its contents.

EXECUTIVE SUMMARY:

PROJECT: Power APAC School

ADDRESS: 1120 Riverside Drive
Jackson, MS 39212

EMP was hired to conduct an asbestos survey for the project listed above. Based on the asbestos inspection and subsequent lab results, no Asbestos Containing Materials (ACM) were detected at the project.

See below.

POSITIVE FINDINGS:
INTERIOR:
None

EXTERIOR:
None

SEE ATTACHMENT B FOR DRAWING WITH SAMPLING LOCATIONS

NOTES:
1. According to the MDEQ and EPA, when multiple samples are taken of a homogenous material, even if only one sample is determined to be an ACM, then all homogenous samples MUST be considered as positive for ACM.

RECOMMENDATIONS:
Since no ACM was detected, no further asbestos response actions are required.

If there are questions, please do not hesitate to give me a call at (601) 922-1919. For additional details of the finding, review the entire report.

Alfred L. Martin, PhD.

December 18, 2020

Senior Project Manager/
Industrial Hygienist

Date:

1.0 INTRODUCTION

1.1 Authority

On December 10, 2020, Environmental Management Plus, Inc (EMP) began conducting an asbestos material survey for Jackson Public Schools (JPS) at Power APAC School located at 1120 Riverside Drive, Jackson, Mississippi. The survey was performed to determine the presence and location of suspect asbestos containing material (ACM). The work was authorized by William McElroy with M3A Architecture, PLLC to provide asbestos inspection services for the upcoming renovation. The survey was performed by EMP Certified Asbestos Inspectors Alfred Martin, Ph.D., MDEQ #ABI-1570, expiration 3/13/21.

1.2 Work Performed

As outlined in the initial scope of services, EMP conducted the following:

Step 1:
Preliminary walk-through and inspection of all accessible areas, not including the roof, for the purpose of locating and documenting suspect ACM.

Step 2:
Development and implementation of a sampling scheme for all suspect ACM.

Step 3:
Performance of quality-assured analysis of the bulk samples obtained during the inspection, using polarized light microscopy (PLM). The analytical results of all samples can also be found at the end of this report.

Step 4:
Preparation and submission of this report.

a. Listing of all sampled homogeneous areas suspected of ACM and all known ACM's based on the sample analysis
b. Listing of estimated quantities of confirmed ACM's
c. Observations and recommendation
d. Results from the sample analysis.

2.0 DEFINITIONS

ABATEMENT- The removal, repair, encapsulation, or enclosure of ACM.

ASBESTOS- The asbestiform varieties of chrysotile, crocidolite, amosite, anthophylite, tremolite and actinolite.

ASBESTOS CONTAINING MATERIAL (ACM)- any material which contains more than one percent asbestos by volume.

COMPOSITE SAMPLE- A bulk sample of suspect homogeneous building material that consist of a mixture of equal quantities of the material collected from various locations within a homogenous or functional sampling area.

ENCAPSULATION- The application of a coating to friable or nonfriable asbestos to prevent release.

ENCLOSURE- The construction of an air-tight barrier around friable and nonfriable asbestos to prevent fiber release.

FRIABLE- The condition of any ACM which when dry may be crumbled or reduced to powder by hand pressure.

FUNCTIONAL SPACE- A room or specific area.

HOMOGENEOUS AREA- An area of surfacing material, thermal system insulation, or miscellaneous material that is uniform in texture and color and appears identical in every other respect including relative date of insulation.

HOMOGENEOUS MATERIAL- A material which may or may not extend through many areas, is uniform in color and texture and appears identical in all other respects, including relative date of installation.

HVAC- System and/or component equipment associated with the heating, ventilation and air-conditioning of a building

MISCELLANEOUS MATERIAL- A classification for suspect ACM such as resilient floor coverings, acoustical ceiling tile, transite products, etc.

OPERATION AND MAINTENANCE PLAN (O&M)- A set of procedures undertaken to clean up previously released asbestos fibers, prevent future release of fibers by minimizing disturbance of damage to ACM, monitoring the condition of the ACM and retain all documentation relating to asbestos within the building.

POLARIZED LIGHT MICROSCOPY (PLM)- Method used to estimate the percent of asbestos by volume in a bulk sample.

REMOVAL- Removal of the ACM and replacement with a non asbestos-containing material to provide the same function and fire rating, unless the removal is for the purpose of demolition.

RESPONSE ACTION- A method including removal, encapsulation, enclosure, repair, operation and maintenance that protects human health and the environment from friable ACM.

SURFACING MATERIAL- A classification of suspect ACM which is applied to walls, ceilings, or structural members by a sprayed-on, troweled-on method such as fireproofing or decorative applications.

SUSPECT MATERIAL- A type of building component that is known, or has been known to contain asbestos minerals.

THERMAL SYSTEM INSULATION (TSI)- A classification of suspect ACM which covers piping, boilers, HVAC components, etc., to act as an insulator, not as a coating or sealant.

3.0 METHODS

3.1 Field Survey

The survey procedure consisted of a complete visual walk-through of the area and inspection of accessible interior and exterior surfaces that will be impacted during the upcoming renovation work and subsequent formulation of a sampling scheme. Flooring, ceilings, walls, domestic system components, water heating systems and other interior surfaces may have been examined for the presence of ACM if they are to be impacted. The survey was conducted by an EPA certified and licensed asbestos inspectors Alfred Martin, Ph.D., MDEQ #ABI - 1570, expiration 3/13/21.

All suspect materials were touched to determine their friability. If these materials could be broken and/or crumbled by hand pressure, it was deemed friable. Random and judgmental samples were collected from suspect materials throughout the structure. Survey and sampling procedures and protocols were conducted in accordance with U.S. Environmental Protection Agency (USEPA) specifications and recommendations, 40 CFR 763.107 - 763.109, 40 CFR 763.85 - 763.88, 1987, and EPA manuals 45/2-78-014 (part 1 and II) and 560/5-85-024. The Asbestos Hazard Emergency Response Act (AHERA), 40 CFR 763, guidelines are considered by most regulatory agencies, USEPA and the Occupational Safety and Health Administration (OSHA) to be state of the art for conducting asbestos inspections and assessments.

3.2 Laboratory Analysis

Bulk samples of suspect homogeneous ACM were collected during the inspection and subsequently submitted to E.H.S. located in Richmond, Virginia to determine the presence of asbestos minerals. The EPA recommended method of polarized light microscopy (PLM) and dispersion staining was used to determine the presence of type and contents.

4.0 INSPECTION REPORT:

Power APAC School

This report has been broken down for this building. The contents for this building includes:

- **Category of materials sampled**
- **Individual Resident Survey Summary**
- **Bulk Sample Summary**
- **Testing locations**
- **Analytical/Laboratory Results**

The Laboratory Bulk Sample Summaries will follow the Categories of Materials Sampled.

4.1 Power APAC

BULK SAMPLE SUMMARY
Category: M-Miscellaneous, S-Surfacing, TSI-Thermal System Insulation

SAMPLE NUMBER	DESCRIPTION AND LOCATION	ASBESTOS DETECTED	CATEGORY
	AUDITORIUM		
01	12" x 12" Floor Tile	NAD	M
02A	12" x 12" Floor Tile	NAD	M
02B	Mastic beneath sample 02	NAD	M
03	Curtains@ Windows	NAD	M
04	1'x1' Ceiling Tile	NAD	M
05A	Carpet	NAD	M
05B	Mastic beneath sample 05A	NAD	M
06	Curtains on Stage; Black	NAD	M
07	Curtains on Stage; Blue	NAD	M
	RESTROOMS		
08A	12" x 12" Floor Tile; Girls RR	NAD	M
08B	Mastic beneath sample 08	NAD	M

09A	12" x 12" Floor Tile; Boys RR	NAD	M
09B	Mastic beneath sample 08	NAD	M
010	Lay-In Ceiling Tile	NAD	M

NAD-NO ASBESTOS DETECTED

NOTES:
1. According to the MDEQ and EPA, when multiple samples are taken of a homogenous material, even if only one sample is determined to be an ACM, then all homogenous samples MUST be considered as positive for ACM.

2. It should be noted that the above ACM was the locations of sampling. The same homogenous materials may also be located in other areas. The extent of the locations will be delineated by the abatement documents and or demolition documents.

5.0 SUMMARY CONCLUSIONS:

5.1 FINDINGS:

POSITIVE FINDINGS:

INTERIOR:
None

EXTERIOR:
None

SEE ATTACHMENT B FOR SAMPLING LOCATIONS

5.2 RECOMMENDATIONS:

Since no ACM was detected, no further asbestos response actions are required.

6.0 LIMITATION

This report has been prepared for the exclusive use by Jackson Public Schools, M3A Architecture and any other duly selected representative for the specific application to pending building demolition or renovation. Copies of our report

may be distributed provided their use is consistent with the intent of our services. Our findings have been developed in accordance with generally accepted standards of practice, direct observations of these designated building areas made during the surveying period, available information, and our professional judgement. No other warranty is expressed or implied. The client recognizes that future changes in building use and construction within the building may effect the conclusions/findings presented in this report.

This report applies only to the samples analyzed. The liability of E.M.P. is limited to the amount paid for this report by the client. The client assumes all liability for the further distribution of this report or its contents and by making such distribution agrees to hold E.M.P. harmless against all claims of persons so informed of the contents thereof.

It is intended that this report be utilized as a complete unit. Individual volumes, chapters, pages, etc., which are separated from the main body of the report will not be complete, and therefore should not be used in such fashion.

ATTACHMENT A - LABORATORY SUMMARY SHEETS

Environmental Hazards Services, L.L.C.
7469 Whitepine Rd
Richmond, VA 23237
Telephone: 800.347.4010

Asbestos Bulk Analysis Report

Report Number: 20-12-01509

Client: Environmental Management Plus
P.O. Box 9361
Jackson, MS 39286-9361

Received Date: 12/11/2020
Analyzed Date: 12/11/2020
Reported Date: 12/14/2020

Project/Test Address: JPS-Power APAC; Jackson, MS

Client Number:
25-1757

Fax Number:
601-922-1979

Laboratory Results

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
20-12-01509-001	01		White Vinyl; Homogeneous	NAD	100% Non-Fibrous
Insufficient quantity of mastic for analysis.					
20-12-01509-002A	02	Tile	White Vinyl; Homogeneous	NAD	100% Non-Fibrous
20-12-01509-002B	02	Mastic	Yellow Adhesive; Homogeneous	NAD	100% Non-Fibrous
20-12-01509-003	03		Blue Fibrous; Tan Vinyl; Inhomogeneous	NAD	84% Synthetic 16% Non-Fibrous
20-12-01509-004	04		White Paint; Brown Fibrous; Inhomogeneous	NAD	92% Cellulose 8% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 25-1757 **Report Number:** 20-12-01509

Project/Test Address: JPS-Power APAC; Jackson, MS

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
20-12-01509-005A	05	Carpet	Multi-Color Fibrous; Homogeneous	NAD	14% Fibrous Glass 75% Synthetic 11% Non-Fibrous
20-12-01509-005B	05	Mastic	Tan Adhesive; Homogeneous	NAD	100% Non-Fibrous
20-12-01509-006	06		Black Fibrous; Homogeneous	NAD	18% Cellulose 70% Fibrous Glass 12% Non-Fibrous
20-12-01509-007	07		Blue Fibrous; Homogeneous	NAD	24% Cellulose 68% Fibrous Glass 8% Non-Fibrous
20-12-01509-008A	08	Tile	White Vinyl; Homogeneous	NAD	100% Non-Fibrous
20-12-01509-008B	08	Mastic	Brown Adhesive; Homogeneous	NAD	100% Non-Fibrous
20-12-01509-009A	09	Tile	White Vinyl; Homogeneous	NAD	100% Non-Fibrous
20-12-01509-009B	09	Mastic	Yellow Adhesive; Homogeneous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 25-1757 **Report Number:** 20-12-01509

Project/Test Address: JPS-Power APAC; Jackson, MS

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
20-12-01509-010	10		White Paint; Gray Fibrous; Inhomogeneous	NAD	55% Cellulose 25% Fibrous Glass 20% Non-Fibrous

QC Sample: 49-M22017-3

QC Blank: SRM 1866 Fiberglass

Reporting Limit: 1% Asbestos

Method: EPA Method 600/R-93/116, EPA Method 600/M4-82-020

Analyst: Sami Hosn

Reviewed By Authorized Signatory: Melissa Kanode

Missy Kanode
QA/QC Clerk

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Each distinct component in an inhomogeneous sample was analyzed separately and reported as a composite. Results represent the analysis of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Service, L.L.C. California Certification #2319 NY ELAP #11714 NVLAP #101882-0 VELAP 460172. All information concerning sampling location, date, and time can be found on Chain-of-Custody. Environmental Hazards Services, L.L.C. does not perform any sample collection.

Environmental Hazards Services, L.L.C. recommends reanalysis by point count (for more accurate quantification) or Transmission Electron Microscopy (TEM), (for enhanced detection capabilities) for materials regulated by EPA NESHAP (National Emission Standards for Hazardous Air Pollutants) and found to contain less than ten percent (<10%) asbestos by polarized light microscopy (PLM). Both services are available for an additional fee.

400 Point Count Analysis, where noted, performed per EPA Method 600/R-93/116 with a Reporting Limit of 0.25%.

* All California samples analyzed by Polarized Light Microscopy, EPA Method 600/M4-82-020, Dec. 1982.

LEGEND: NAD = no asbestos detected

EHS Laboratories™
Environmental Hazards Services, LLC

Asbestos Chain-of-Custody Form

SHIP TO: 7469 Whitepine Rd. Richmond, VA 23237
Phone: (800) 347-4010 FAX: (804) 275-4907
ONLINE CLIENT PORTAL AVAILABLE FOR ANALYSIS RESULTS AT:
www.leadlab.com

20-12-01509

Due Date:
12/14/2020 S
(Monday)
AE

10PM

Company Name: Environmental Management Plus, Inc Account Number: 25-1757

Address: PO BOX 9361 City/State/Zip: Jackson, MS 39286-9361

Phone #: 601 922-1919 Email: alsyukon2@aol.com Fax:

Project Name / Testing Address: JPS- Powell ~~Apa~~ APAC City/State (Required): Jackson, MS

Collected by: AM P.O. #

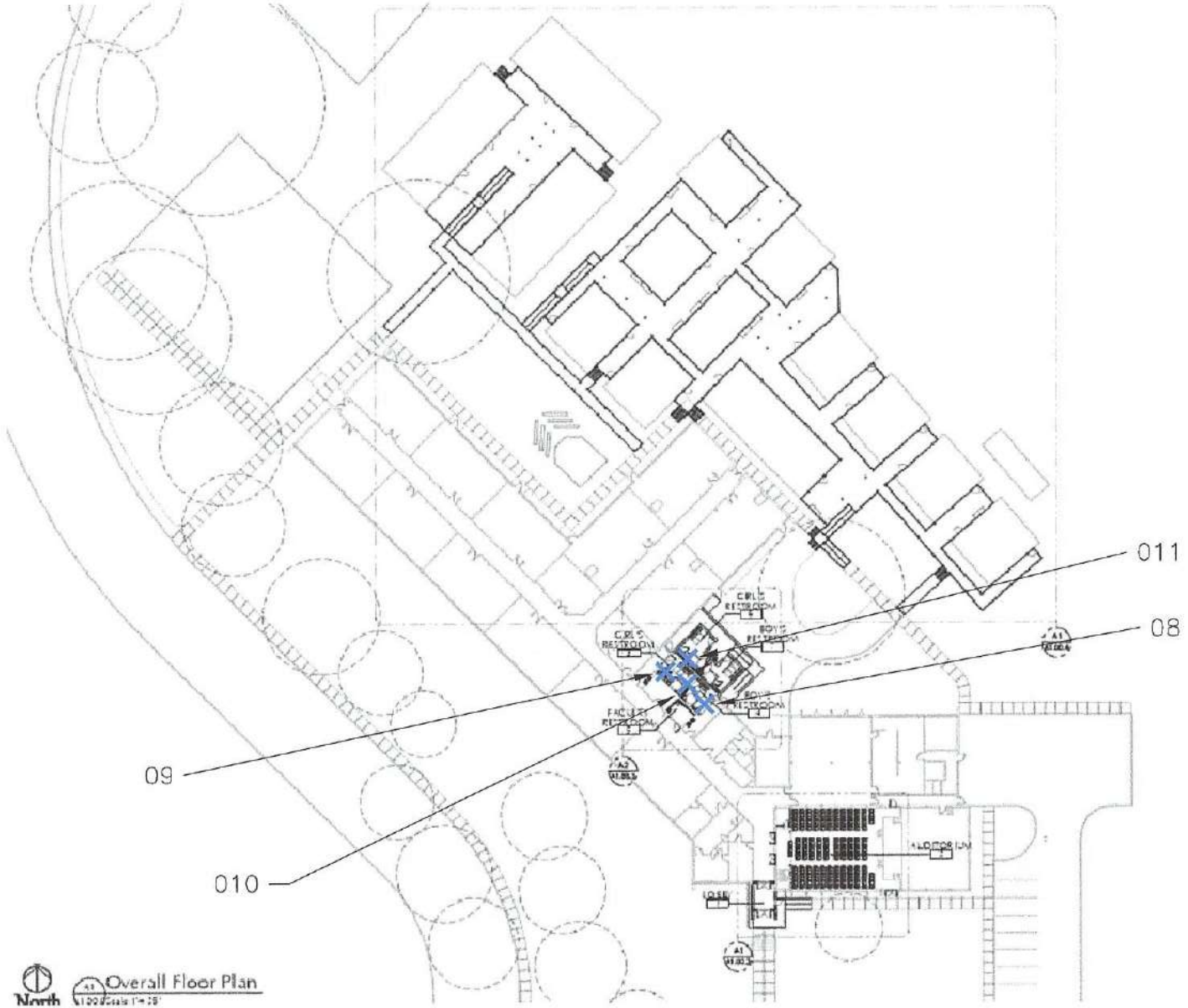
TURN AROUND TIMES: IF NO TAT IS SPECIFIED, SAMPLE(S) WILL BE PROCESSED AND CHARGED AS 3 - DAY TAT.

X	1 Day		2 Day		3 Day		* Same Day – Must Call Ahead		* Weekend – Must Call Ahead

No.	Client Sample ID	HA Area #	Collection Date	Collection Time	PLM	PLM Point Count 400	PLM Point Count 1000	PLM NY Protocol	TEM - Bulk	Comments
1	01 - Aud 12X12 FT		12/10/20	10:00 AM / PM	X					Auditorium
2	02 "		"	AM / PM	X					"
3	03 Curtains @ Windows		"	AM / PM	X					"
4	04 1X1 CT (Assume Glue)		"	AM / PM	X					Aud - AV AREA
5	05 Carpet		"	AM / PM	X					" "
6	06 Stage Curtains		"	AM / PM	X					Black
7	07 "		"	AM / PM	X					BLUE
8	08 12X12 @ Rllent.		"	AM / PM	X					Girls RR
9	09 "		"	AM / PM	X					Boys RR
10	010 Lay-IN CT		"	AM / PM	X					RR's

Released by: AM Signature: AM Date/Time: 12/10/20 4pm
Received by: Traci Bloom Signature: Traci Bloom Date/Time: 12/11/20 1145AM

ATTACHMENT B - DRAWING WITH SAMPLE LOCATIONS



LEGEND

× – SAMPLE LOCATION

(#) – ASBESTOS–CONTAINING SAMPLE

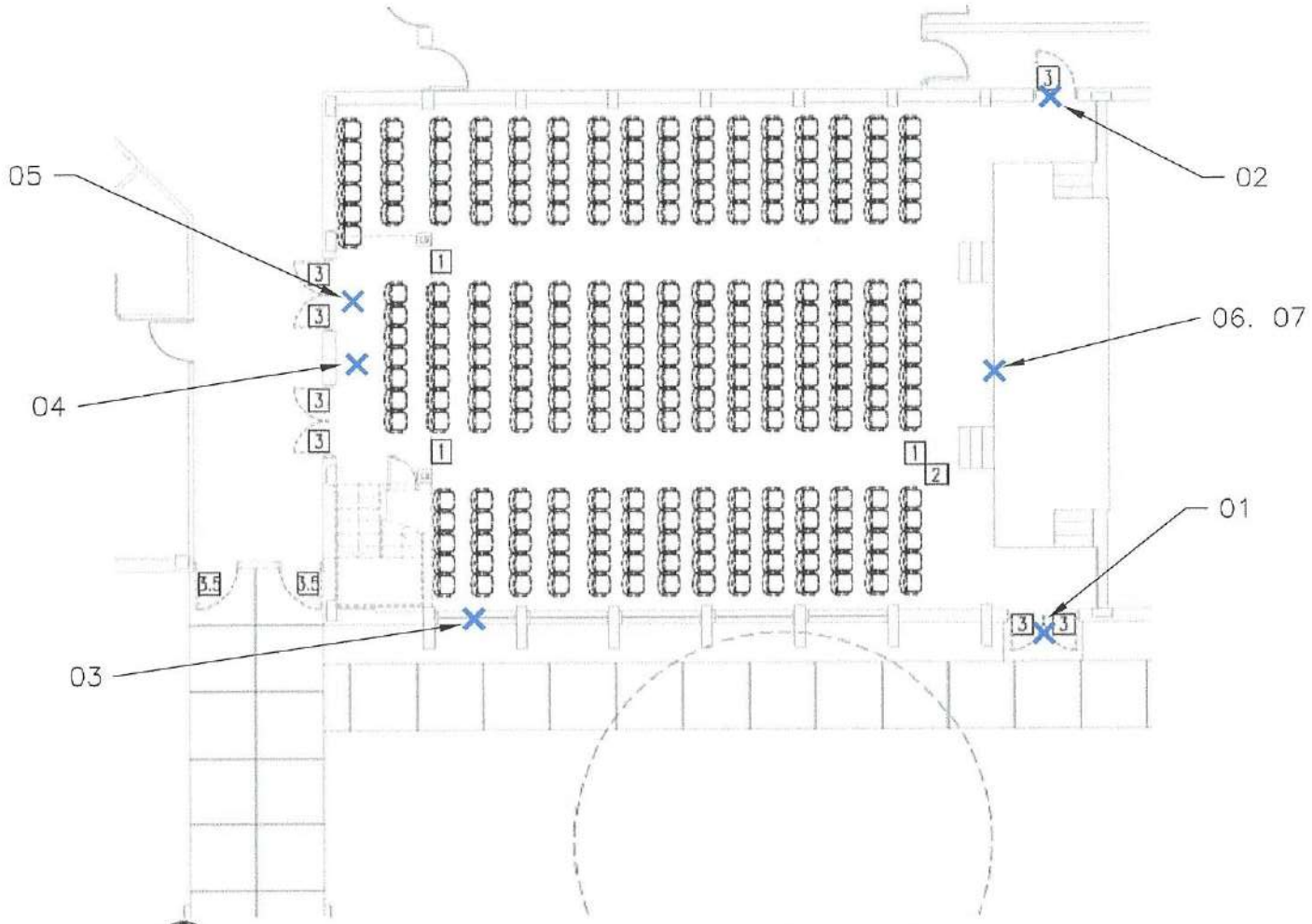
SAMPLE LOCATIONS

Environmental Management Plus, Inc.
P.O. Box 9361
Jackson, Mississippi 39286-9361
Phone: (601) 922-1919 FAX: (601) 922-1979

JACKSON PUBLIC SCHOOLS
POWER APAC SCHOOL
ASBESTOS INSPECTION
JACKSON, MISSISSIPPI

PROJECT NO.:
APACEMP12.15.20(A)
DATE:
DECEMBER 2020
DRAWN BY:
R.E.B.
APPROVED BY:
A.M.
ABI #1570
EXP. 3/13/21
SCALE:
N.T.S.

DRAWING NO.
EMP-2042



Enlarged Demolition Floor Plan - Lobby and Auditorium

LEGEND

× – SAMPLE LOCATION

(#) – ASBESTOS–CONTAINING SAMPLE

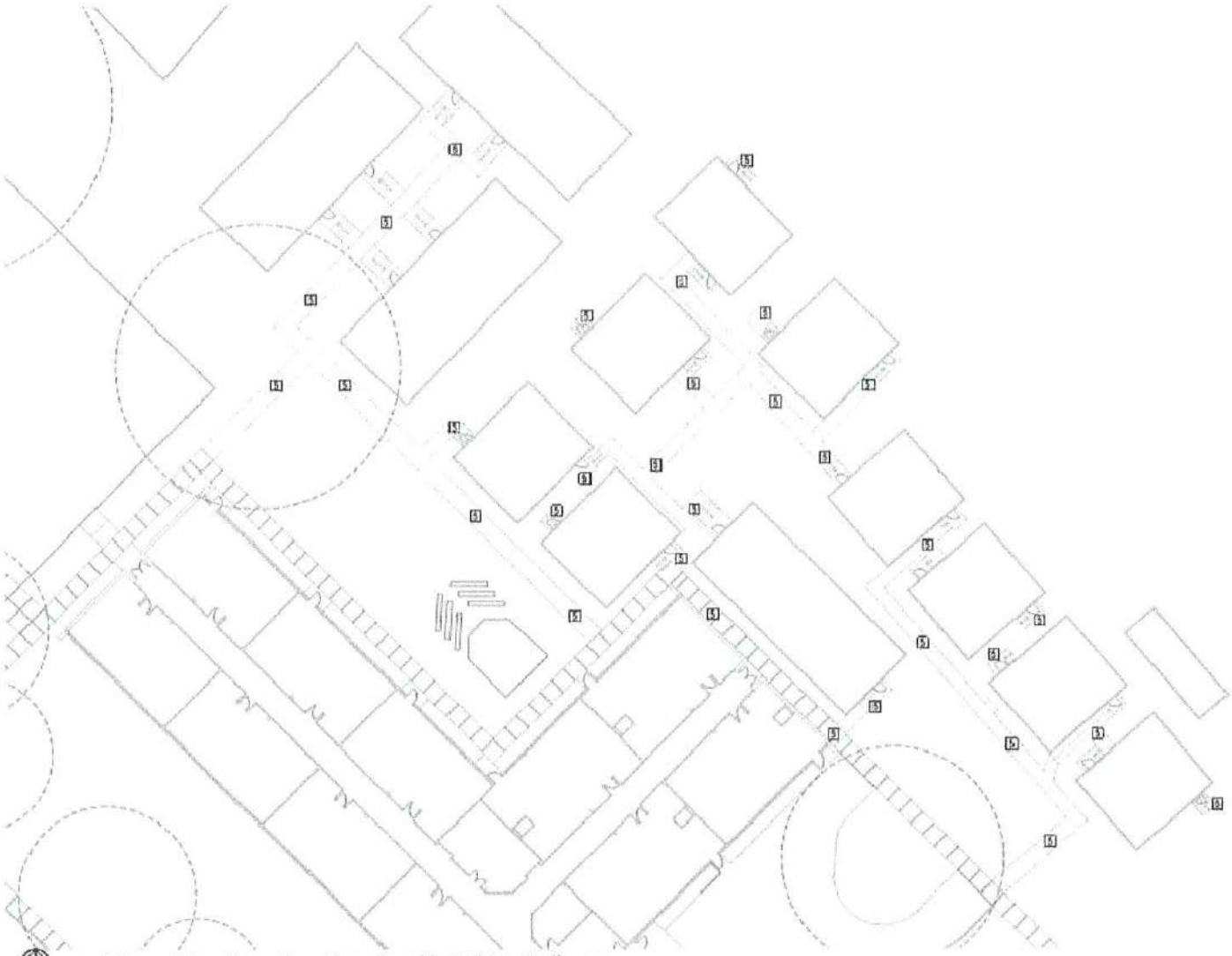
SAMPLE LOCATIONS

Environmental Management Plus, Inc.
P.O. Box 9361
Jackson, Mississippi 39286-9361
Phone: (601) 922-1919 FAX: (601) 922-1979

JACKSON PUBLIC SCHOOLS
POWER APAC SCHOOL
ASBESTOS INSPECTION
JACKSON, MISSISSIPPI

PROJECT NO.:
APACEMP12.15.20(A)
DATE:
DECEMBER 2020
DRAWN BY:
R.E.B.
APPROVED BY:
A.M.
ABI #1570
EXP. 3/13/21
SCALE:
N.T.S.

DRAWING NO.
EMP-2043



North

Enlarged Demolition Floor Plan - Portable Building Walkways

NOTE: NO SUSPECT ACM IN THIS AREA.

Environmental Management Plus, Inc.
P.O. Box 9361
Jackson, Mississippi 39286-9361
Phone: (601) 922-1919 FAX: (601) 922-1979

JACKSON PUBLIC SCHOOLS
POWER APAC SCHOOL
ASBESTOS INSPECTION
JACKSON, MISSISSIPPI

PROJECT NO.:
APACEMP12.15.20(A)
DATE:
DECEMBER 2020
DRAWN BY:
R.E.B.
APPROVED BY:
A.M.
ABI #1570
EXP. 3/13/21
SCALE:
N.T.S.

DRAWING NO.
EMP-2044

ATTACHMENT C - MDEQ CERTIFICATIONS

State of Mississippi

Department of Environmental Quality
Office of Pollution Control

Certificate of Licensure

In accordance with the Asbestos Abatement Accreditation and Certification Act,
Enacted as 1989 Mississippi Law, Chapter 505

Be it known that

Alfred L Martin Ph.D.

Having submitted acceptable evidence of qualifications and
training and other appropriate information, is hereby granted this

Asbestos Inspector

Certification

Chief, Air Division

Certificate No.: ABI-00001570
Expiration Date: Mar 13th, 2021
Training Expires on Mar 13th, 2021

40703 LIC20200004

LEAD-BASED PAINT INSPECTION AND ASSESSMENT

Power APAC School
1120 Riverside Dr.
Jackson, MS 39202

Jackson Public Schools
662 So. President Street
Jackson, Mississippi 39201

Submitted to:
Ms. Lena Franklin
Architectural Designer, JPS
662 So. President St.
Jackson, MS 39201

Report prepared by:
Alfred L. Martin, Jr., Ph.D.
MS Certified Lead-Based Paint Inspector
MDEQ# - PRA 1360
Expiration 4/23/21

ENVIRONMENTAL MANAGEMENT PLUS, INC.
P. O. Box 9361
JACKSON, MISSISSIPPI 39286-936
(601) 922-1919

December 18, 2020

TABLE OF CONTENTS

LEAD-BASED PAINT
REPORT CERTIFICATION

Project: **Power APAC**
1120 Riverside Drive
Jackson, MS 39202

Date: December 18, 2020

I hereby certify this report constitutes an accurate presentation of a lead-based paint survey for the above project. The work was authorized by Mr. William McElroy, AIA and Mr. Nicholas Jackson both with M3A Architecture located in Jackson, MS. The purpose of the inspection was to determine the presence and location of lead-based paint.

Alfred L. Martin, Ph.D.

December 18, 2020

Date:

Alfred Martin, Jr., Ph.D.
Senior Project Inspector
MDEQ PRA - 1360, Exp. 4/23/21

I have examined this report and hereby certify the accuracy and acceptability of its contents.

EXECUTIVE SUMMARY:

Project: **Power APAC**
1120 Riverside Drive
Jackson, MS 39202

Environmental Management Plus, Inc. (EMP) was hired to conduct a (LBP) Lead-Based Paint Inspection for the above listed project. The inspection was conducted on the interior and exterior of the spaces listed above and the sampling was conducted utilizing the RMD MAP- I X-Ray Fluorescence Analyzer, a HUD approved portable LBP testing device. After the site review, EMP developed a testing scheme and began the inspection. The scheme entailed testing of homogeneous accessible painted surfaces at the property. As per the EPA and the HUD guidelines, LBP is defined as a dried paint film with a lead concentration of greater than or equal to 1.0 mg/cm^2 (if conducted by XRF) or 0.5 % by weight (if conducted by lab analysis).

See below for results:

INTERIOR:

Door Frames to Auditorium (from hall)
Door Frames to Exterior door (South)
Door to Exterior (South)

EXTERIOR:

None

Recommendations:
If any of the building components will be disturbed, it is suggested that LBP demolition guidelines be developed to address both the OSHA guidelines and the MDEQ and EPA guidelines. EMP can assist you with these recommendations.

Alfred L. Martin, Ph.D.

December 18, 2020
Date:

Alfred Martin, Jr., Ph.D.
Senior Project Inspector
PBA-1360, Exp. 4/23/21

I have examined this report and hereby certify the accuracy and acceptability of its contents.

1.0 INTRODUCTION

1.1 Authority

On December 10, 2020, Environmental Management Plus, Inc (EMP) conducted a lead-based paint (LBP) inspection at Power APAC located in Jackson, Mississippi. The work included the testing of painted surfaces on the interior and exterior of the building. The survey was performed to determine the presence and location of lead-based paint (LBP). The work was authorized by Mr. William McElroy and Mr. Nicholas Jackson with M3A Architecture, PLLC to provide professional LBP environmental consulting services. The survey was performed by EMP MDEQ Certified Lead-Based Paint Risk Assessor Alfred Martin, Jr. Ph.D. PRA-1360 (exp. 4/23/21).

2.0 Work Performed

As outlined in the initial scope of services, EMP's services were conducted by the following steps:

Step 1: Preliminary walk-through and inspection of the accessible building areas for the purpose of locating and documenting Lead-Based Paint.

Step 2: Development and implementation of a sampling scheme for all suspect painted surfaces. Positive readings and location can be obtained from the report.

Step 3: All lead-based paint samples were analyzed by a RMD LPA 1 XRF Analyzer.

Step 4: Preparation and submission of this report.

3.0 LEAD-BASED PAINT REPORT

3.1 Method

EMP's inspection methodology is based on Chapter 7 of the U.S. Department of Housing and Urban Development's (HUD) *Guidelines for the Evaluation and Control of Lead Based Paint Hazards in Housing.* The LBP survey procedure consisted of a complete walk-through of the spaces and a determination of the sampling order per room and per equivalent. This order generally starts at the entrance door and works towards the right. However, due to various conditions, this manner may or may not always be prudent. Therefore, EMP may sample in the direction of the wall and or room (i.e. north, south, etc...). Regardless, various and limited accessible painted building components were analyzed including but not limited to doors and door components, walls, ceilings, window and window components for the presence of LBP. No furniture nor non-permanent fixtures were tested for LBP.

This report will show what accessible painted components have LBP. The Housing and Urban Development (HUD)/EPA has established 1.0 milligram per square centimeter (mg/cm2) or 0.5% by weight as the criteria for a LBP. If a reading is equal to or greater than (≥) 1.0 mg/cm2, the prepared surface is considered to contain lead.

All suspect materials were tested by a RMD LPA 1 XRF analyzer, a HUD approved testing device, to determine if LBP is present and if so the level of lead paint. Based on the XRF Performance Characteristics Sheet, the XRF results were classified as positive if they are greater than or equal to the upper limit of the inconclusive range, and negative it they were less than or equal to the lower limit of the inconclusive range.

3.2 Laboratory Analysis

In the event, XRF sampling was not possible or if there were inconclusive or additional areas of concern, EMP would have collected actual bulk samples. No bulk samples were collected.

4.0 FIELD SURVEY & FINDINGS:

The inspection was conducted utilizing the RMD LPA 1 X-Ray Fluorescence Analyzer, a HUD approved LBP testing device. All accessible painted building components were tested.

POSITIVE FINDINGS:

INTERIOR:

- **Door Frames to Auditorium (from hall)**
- **Door Frames to Exterior door (South)**
- **Door to Exterior (South)**

EXTERIOR:

None

4.1 Recommendations:

If any of the building components will be disturbed, it is suggested that LBP demolition guidelines be developed to address both the OSHA guidelines and the MDEQ and EPA guidelines. EMP can assist you with these recommendations.

NOTE: SEE ATTACHMENT A FOR ACTUAL XRF TESTING DATA PRINTOUT

4.2 Applicable Lead Regulatory Levels:

The lead regulatory levels provided below are those used when preparing this LBP inspection or when evaluating the data collected. The EPA regulatory levels are the same as the state regulatory levels provided in the following table.

LEAD REGULATORY LEVELS	
Lead-Based Paint	**≥ 1.0 mg/cm²** **Or** **0.5% by weight** **Or** **5,000ppm**
Lead in dust	**Floors - ≥ 40 ug/ft²** **Window sills - ≥250 ug/ft²** **Window wells - ≥125 ug/ft²**

6.0 LIMITATIONS

This report has been prepared for exclusive use by M3A Architecture PLLC., William McElroy, AIA and any other duly appointed representative for the specific application expressed to EMP. Copies of our report may be distributed provided their use is consistent with the intent of our services. Our findings have been developed in accordance with generally accepted standards of practice, direct observations of the designated residential areas made during the surveying period, available information, and our professional judgement. It should be noted that every effort was made to take readings for lead on all surfaces. However, if it is determined that any area was omitted, EMP will at no charge re-sample that area. No other warranty is expressed or implied. The client recognizes that future changes in building use and construction within the buildings may effect the conclusions/findings presented in this report.

This report applies only to the readings taken and samples analyzed. The liability of E.M.P. is limited to the amount paid for this report by the client. The client assumes all liability for the further distribution of this report or its contents and by making such distribution agrees to hold E.M.P. harmless against all claims of

persons so informed of the contents thereof.

It is intended that this report be utilized as a complete unit. Individual volumes, chapters, pages, etc., which are separated from the main body of the report will not be complete, and therefore should not be used in such fashion.

ATTACHMENT A - XRF PRINTOUTS

LEAD BASED PAINT XRF REPORT

Project: **JPS; Power APAC**

Inspection Date: **12/10/2020**
Positive LBP Level: **1.0 mg/cm2**

Job Started: **12/10/2020**
Job Finished: **12/10/2020**

INSTRUMENT TYPE: **R M D**
MODEL LPA-1
XRF TYPE ANALYZER
Serial Number: 3369

MDEQ Certification: PBI #1247

Alfred L. Martin, Ph.D.

SIGNED _____ **DATE** **12/10/2020**

Positive readings above 1.0 mg/cm² are considered as LBP

0001, 1.0 ,,,,,,,,, QM	CALIBRATION	
0002, 1.0 ,,,,,,,,, QM	CALIBRATION	
0003, 1.9 ,,,,,,,,, QM	Door Frame; Main Hall South Entry	Tan
0004, 1.9 ,,,,,,,,, QM	Door Frame; Main Hall South Entry	Tan
0005, 0.0,,,,,,,,, QM		
0006, 1.7 ,,,,,,,,, QM	Door Frame; Main Hall North Entry	Tan
0007, 1.8 ,,,,,,,,, QM	Door Frame; Main Hall North Entry	Tan
0008, 0.0,,,,,,,,, QM		
0009, 0.1,,,,,,,,, QM		
0010, 0.0,,,,,,,,, QM		
0011, 0.2,,,,,,,,, QM		
0012, -0.0,,,,,,,,, QM		
0013, 0.0,,,,,,,,,,QM		
0014, 0.3,,,,,,,,,,QM		
0015, 0.2,,,,,,,,,,QM		
0016, 0.1,,,,,,,,,,QM		
0017, 8.9,,,,,,,,, QM	Door Frame; Exterior Door to Riverside Dr.	Maroon
0018, 8.8,,,,,,,,, QM	Door; Door to Riverside Dr.	Maroon
0019, 2.0 ,,,,,,,,, QM	Door Frame; North Entry to Stage Area	
0020, 0.0,,,,,,,,, QM		
0021, 0.0,,,,,,,,, QM		

0022, 0.0,,,,,,,,, QM
0023, -0.2,,,,,,,,, QM
0024, 0.2,,,,,,,,, QM
0025, 0.1,,,,,,,,, QM
0026, 0.2,,,,,,,,, QM
0027, 0.2,,,,,,,,, QM
0028, 0.1,,,,,,,,, QM
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0030 -0.0,,,,,,,,, QM
0031, 0.2,,,,,,,,, QM
0032, 0.0,,,,,,,,, QM
0033, 0.0,,,,,,,,, QM
0034, 0.0,,,,,,,,, QM
0035, 0.1,,,,,,,,, QM
0036, -0.0,,,,,,,,, QM
0037, 0.2,,,,,,,,, QM
0038, 0.1,,,,,,,,, QM
0039, -0.0,,,,,,,,, QM
0040, 0.0,,,,,,,,, QM
0041, 0.0,,,,,,,,, QM
0042, 0.1,,,,,,,,, QM
0043, 0.1,,,,,,,,,,QM
0044, 0.0,,,,,,,,,,QM
0045, 0.0,,,,,,,,, QM
0085, 1.0 ,,,,,,,, QM CALIBRATION
0086, 1.0 ,,,,,,,, QM CALIBRATION

----End of Readings----

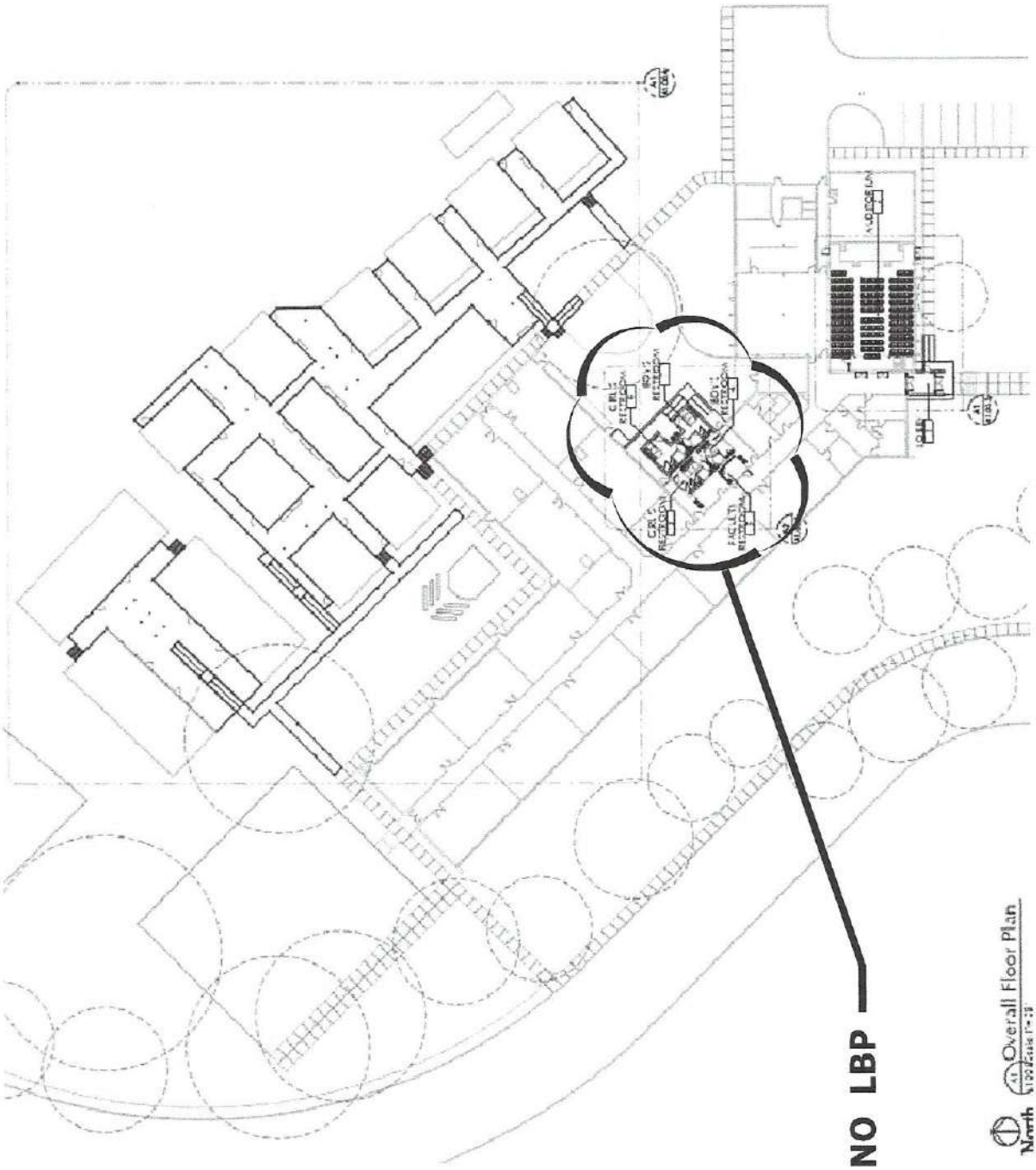
ATTACHMENT B - MDEQ CERTIFICATIONS

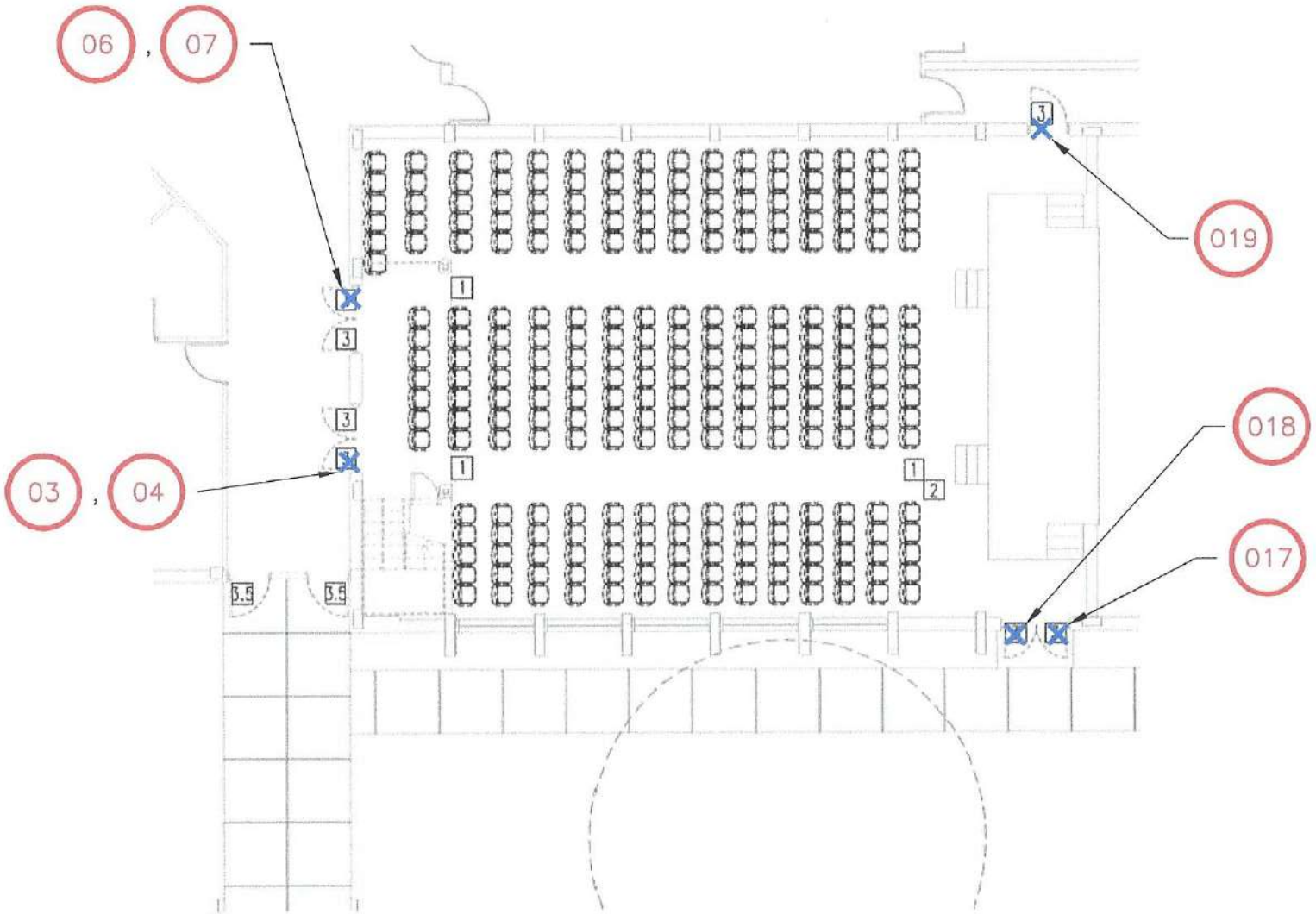
Environmental Management Plus, Inc.
P.O. Box 9361
Jackson, Mississippi 39286-9361
Phone: (601) 922-1919 FAX: (601) 922-1979

JACKSON PUBLIC SCHOOLS
POWER APAC SCHOOL
LEAD BASED PAINT INSPECTION
JACKSON, MISSISSIPPI

PROJECT NO.: APACEMP12.15.20(L)
DATE: DECEMBER 2020
DRAWN BY: R.E.B.
APPROVED BY: A.M.
PRA #1360
EXP. 4/23/21
SCALE: N.T.S.

DRAWING NO. EMP-2048





Enlarged Demolition Floor Plan - Lobby and Auditorium

NOTE: ONLY POSITIVE LEAD PAINT READINGS ARE INDICATED ON THE DRAWING.

LEGEND

× – SAMPLE LOCATION

(#) – POSITIVE LBP SAMPLE

SAMPLE LOCATIONS

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SCALE:
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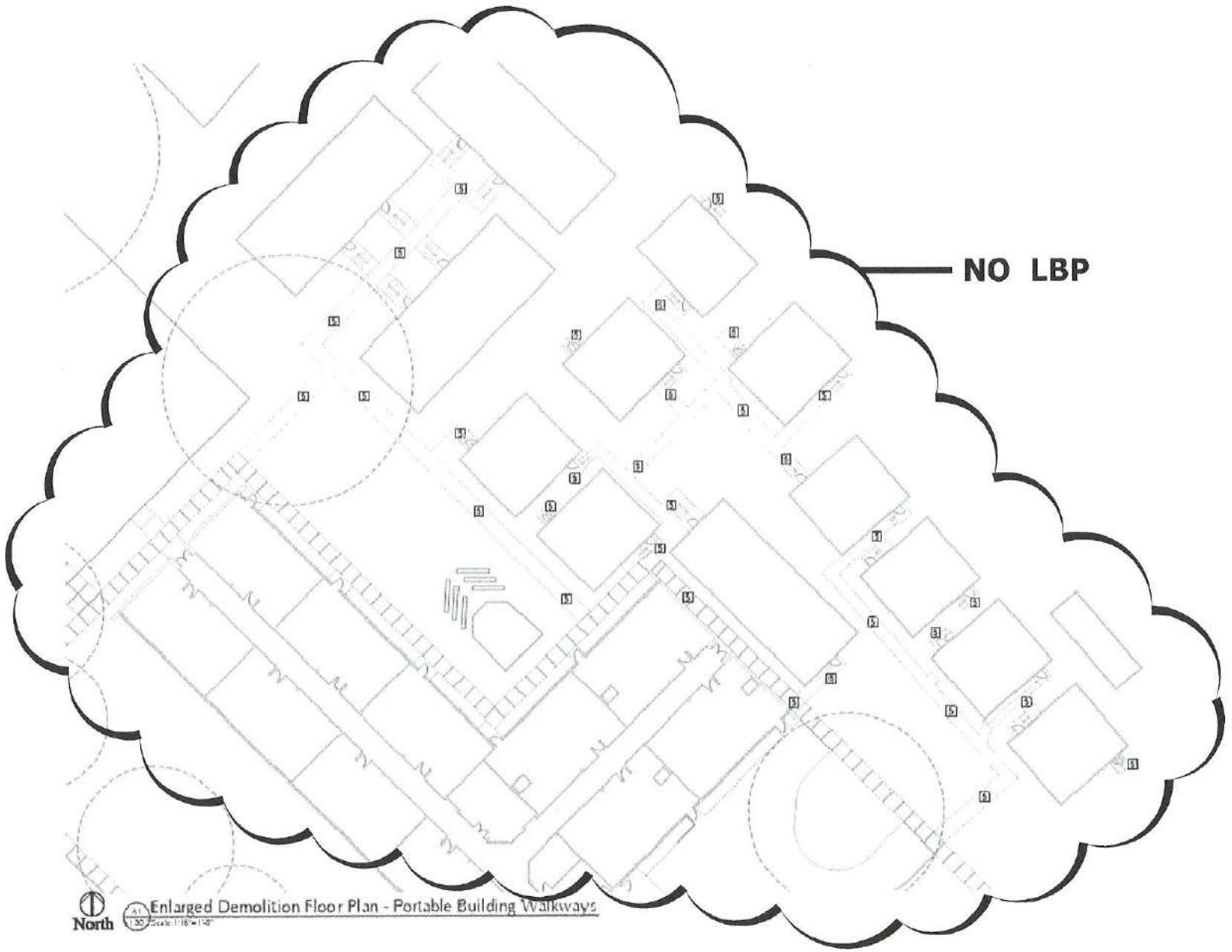
DRAWING NO.
EMP-2049



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ATTACHMENT C: LBP DRAWINGS