

## **Addendum No. 3**

**Date:** September 8, 2017  
**PN:** 16-019  
**Project:** POLICE & COURT SERVICES  
RENOVATION & EXPANSION  
110 & 112 BROOKS STREET  
TOWN OF PELAHATCHIE, MS 39145  
**Bid Date:** **September 12, 2017; 2:00 p.m.**  
**Architect:** J. Scott Williams Architect, PLLC.  
176 River Park Drive  
Jackson, MS 39202  
Phone: (601) 209 7334

NOTE TO BIDDERS: This Addendum, consisting of 2 pages and 3 attachments, is hereby made part of the Contract Documents. Wherever the original Contract Documents are inconsistent herewith, provisions of this Addendum will govern.

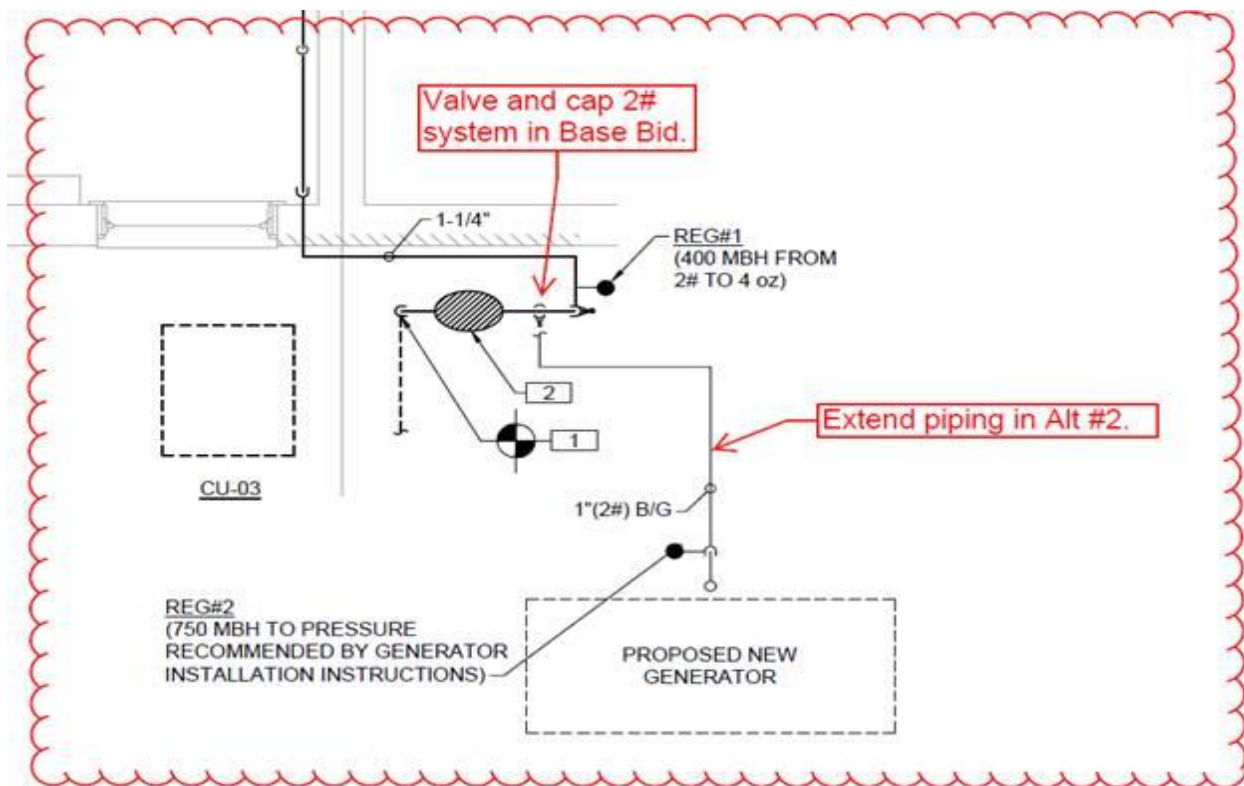
**PRE-BID ON-SITE MEETING WAS HELD ON SEPTEMBER 7, 2017 (Thursday) AT 10:00 AM LOCATED AT 110 & 112 Brooks Street, Town of Pelahatchie, MS 39145. The Attendance sign-in sheets are attached.**

### **Specifications:**

- 1. SECTION 02080 – ASBESTOS ABATEMENT, PART 1-GENERAL, 1.1 SUMMARY, PART “A”:** A copy of the report prepared by EarthCon Consultants, Inc. is attached.
- 2. SECTION 01020 - ALLOWANCES – SECTION 1.2 SCHEDULE OF ALLOWANCES:** Addition of Item “D”. Include in the alternate 1 bid for inclusion in the contract sum, the amount \$9,200.00 for the purchase of Solar Shades for all interior windows.

## Drawings:

1. **DRAWING SHEET D1.1 BASE BID – CLARIFICATION–** Refer to S1 in base bid for location of opening in wall to be demolished and location of slab cuts for hold cell.
2. **DRAWING SHEET A1.1 BASE BID – CLARIFICATION–** The south wall noted “80% of Brick Wall requires repointing of brick.” Refers to exposed brick starting at interior of front elevation and extending to 30’. All other exposed walls to be brought back to original finish after demolition has occurred in Alternate #1 Finishes
3. **DRAWING SHEET A1.1 ADD ALT. #1 – CLARIFICATION–** The wood floor of RM # 116 stops at approximately 29’-6” and the LVT begins for RM # 117. (Contractor to verify this dimension based on the stopping of existing wood floor and beginning of wood plywood subflooring.)
4. **DRAWING SHEET A1.2 ADD ALT. #1 – DETAIL 2 -CLARIFICATION–** The stud is of 16gauge material on 12” on centers. This is to provide added support for the 3/16” steel cladding in the interior wall of Armory.
5. **DRAWIN SHEET P101 ADD ALT. – REVISED–** See attached.



6. **DRAWING SHEET E0.1 ADD ALT. -REVISED–** See attached.
- END OF ADDENDUM #3

# PRE-BID CONFERENCE

## ATTENDANCE SIGN-IN

**Date:** 10:00 am September 7, 2017

**PN:** 16-019

**Project:** POLICE & COURT SERVICES  
RENOVATION & EXPANSION

**Location:** 110 & 112 BROOKS STREET  
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Jackson, MS 39202  
Phone: (601) 209 7334

| NAME:          | FIRM REPRESENTED & EMAIL                                     | CONTACT NUMBER |
|----------------|--------------------------------------------------------------|----------------|
| 1 Ricky Fain   | Young Mech. Inc<br>youngmechanical@att.net                   | 601-373-3212   |
| 2 Joe Hill     | Diversified Construction Inc.<br>WILLOWAYNE DOLLAR@GMAIL.COM | 601-709-4604   |
| 3 WAYNE DOLLAR | SOLRATES GARRETT END                                         | 601 9063590    |
| 4              |                                                              |                |
| 5              |                                                              |                |
| 6              |                                                              |                |
| 7              |                                                              |                |

# PRE-BID CONFERENCE

## ATTENDANCE SIGN-IN

**Date:** 10:00 am September 7, 2017

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|-------------------|-------------------------------------------------------|----------------|
| 1 Mariela Cancio  | M&P Construction Inc / mcancio@mnpconstruction.ms.com | 601 421 3568   |
| 2 Rick Buie       | Buie Electric Service rick@buielec.com                | 601-954-2648   |
| 3 R. Lee Kibbell  | FLAGSTAR / lee@flagstarconstruction.com               | 601-827-4646   |
| 4 Richard Womack  | Richard Womack Construction / richard@rwc.ms          | 601-849-5675   |
| 5 Joseph L. Anton | S G I /                                               | 601-212-9555   |
| 6                 |                                                       |                |
| 7                 |                                                       |                |



EarthCon Consultants, Inc.  
P.O. Box 1246  
Madison, Mississippi 39130  
  
Phone: 601-853-2134  
Fax: 601-856-3978  
Toll-Free: 877-389-6476  
[www.earthcon.com](http://www.earthcon.com)

November 28, 2016

Town of Pelahatchie  
705 Second Street  
Pelahatchie, Mississippi 39145

c/o Mr. Alton Lewis  
J. Scott Williams Architecture, PLLC  
178 River Park Drive  
Jackson, Mississippi 39202

Re: Lead-Based Paint Sampling & Asbestos Bulk Sampling  
Police Department Expansion  
110 and 112 Brooks Street  
Pelahatchie, Mississippi  
EarthCon Project No. 02.20160355.55

Dear Mr. Lewis:

On November 8, 2016, EarthCon Consultants, Inc. (EarthCon) conducted an asbestos material survey and lead-based paint chip sampling at 110 and 112 Brooks Street in Pelahatchie, Mississippi. As EarthCon understands, the commercial buildings are scheduled for renovation and occupancy by the Pelahatchie Police Department. The asbestos material survey and lead-based paint (LBP) chip sampling were conducted by Mr. Kirk L. Giessinger, Mississippi Asbestos Inspector Certification No. ABI-00002367, expiration date January 29, 2017.

During the survey, the buildings were inspected to evaluate the structure for the presence of asbestos-containing materials (ACMs) and LBPs. The roof of 110 Brooks Street will not be disturbed by renovation activities and therefore was not sampled. Twenty-two representative samples of suspect ACMs were collected for laboratory analysis. The samples were submitted to International Asbestos Testing Laboratories (iATL) for analysis by the Environmental Protection Agency (EPA) recommended Polarized Light Microscopy (PLM) and Dispersion Staining Method. Additionally, nine paint chip samples were collected. The lead paint chip samples were collected from building components, shipped to iATL, and analyzed using flame atomic absorption.

### **Asbestos Material Survey**

The suspect asbestos containing materials identified during the survey consisted of the following homogeneous miscellaneous building materials:

- 12" x 12" Floor Tile/Mastic
- 9" x 9" Floor Tile/Mastic
- Linoleum
- Window Glazing
- Wall Plaster
- 2' x 4' Ceiling Tile
- Roofing Material (flashing tar, built-up)

The following homogeneous building materials were determined to contain asbestos minerals in quantities greater than one (1) percent: black mastic associated with all floor tile, 9" x 9" floor tile, roof flashing tar. Please refer to the Asbestos Analytical Report included as Attachment A.

Based on the tasks undertaken for the asbestos material survey and existing building conditions at the time of the survey, EarthCon has developed the following conclusions and recommendations:

1. As a result of the survey, the following non-friable, non-regulated ACMs were identified in/on the buildings.

| Location          | ACM Description                                | ACM Condition/<br>Classification* | Approximate<br>Square Foot |
|-------------------|------------------------------------------------|-----------------------------------|----------------------------|
| 110 Brooks Street | Black Mastic Associated<br>with All Floor Tile | NF/NR                             | 1,300 SF                   |
| 110 Brooks Street | 9" x 9" Floor Tile                             | NF/NR                             | 650 SF                     |
| 112 Brooks Street | Roof Flashing Tar                              | NF/NR                             | 100 SF                     |

\*NF = Non-Friable; NR = Non-Regulated

\*\*SF = Square Feet

2. The buildings are scheduled for renovation. Should scheduled renovation activities have the potential to disturb ACM identified in this report, the ACM should be removed prior to these activities. Asbestos abatement shall be performed by a certified asbestos abatement contractor in a manner prescribed by EPA 40 CFR Part 61.145 (c), Mississippi Administrative Code, Part 2, Chapter 10, and OSHA 29 CFR 1926.1101. The demolition

contractor or owner is required to notify the Mississippi Department of Environment Quality (MDEQ) of planned demolition activities at least ten (10) working days prior to the scheduled start of these activities, as required by EPA 40 CFR Part 61.145 (b).

3. The renovation/abatement contractor or owner is required to notify the MDEQ of planned abatement activities at least ten (10) working days prior to the scheduled start of these activities, as required by EPA 40 CFR Part 61.145 (b).
4. Removed asbestos-containing waste material (demolition debris) shall be transported and deposited at an EPA approved landfill site in accordance with EPA 40 CFR Part 61.150 (b)-(e). The disposal site should be operated in accordance with EPA 40 CFR Part 61.154.

### **Lead-Based Paint Chip Sampling**

EarthCon collected nine paint chip samples from the interior and exterior surfaces of 110 and 112 Brooks Street. Please refer to the following table for a summary of results and Attachment B for the Lead Analytical Report.

**Summary of Lead Paint Analytical Results  
110 and 112 Brooks Street.  
Scott, Mississippi**

| <b>Sample Location</b>                 | <b>Lead Concentration (% by Weight)*</b> |
|----------------------------------------|------------------------------------------|
| 110 Brooks Street Exterior - White     | <0.0083                                  |
| 110 Brooks Street Interior - Pink      | <0.0084                                  |
| 110 Brooks Street Interior - Orange    | 0.0075                                   |
| 110 Brooks Street Interior - Green     | 0.083                                    |
| 112 Brooks Street Interior - White     | <b>1.2</b>                               |
| 112 Brooks Street Interior - Tan       | 0.0096                                   |
| 112 Brooks Street Exterior – Light Tan | <b>8.1</b>                               |
| 112 Brooks Street Exterior – White     | 0.071                                    |
| 110 Brooks Street Exterior – Tan       | 0.044                                    |

\*Bold values considered lead-based (lead equal to or in excess of 0.5 percent by weight)

Based on the intended use of the property, OSHA guidance governing worker exposure during construction activities is applicable. OSHA considers any detectable level of lead present in paint as a potential source of exposure. The selected contractor should employ lead safe work practices during paint removal, dust and paint chip clean-up, and general construction and renovation activities in a manner to prevent worker exposure above the action level of 30 micrograms per



cubic meter set forth in OSHA 29 CFR 1926.62.

Based on the proposed renovations of the buildings, EarthCon has developed the following recommendations with regards to lead:

1. LBP was identified in the areas to be disturbed by proposed renovation. As such, appropriate handling and disposal of the lead containing paints and components will be required.
2. EarthCon recommends that the selected renovation contractor be notified of the findings of the LBP survey and that lead safe work practices are employed during renovation activities that will disturb the identified LBP. OSHA compliant personal air monitoring for lead exposure should be conducted during the project. EarthCon can provide lead exposure monitoring and provide guidance on lead-safe work practices.
3. If the LBP is not removed from the painted surface prior to disposal, the waste can generally be disposed at permitted municipal solid waste landfill or permitted construction and demolition landfill approved to accept LBP-containing demolition debris as demolition/construction debris
4. Lead-based paint waste that is removed from a surface prior to disposal must be disposed of as a special waste and may be a hazardous waste. In this case, the contractor must determine if the paint waste is hazardous for lead prior to disposal. Paint waste is hazardous if it has a concentration of lead equal to 5.0 mg/l or greater as determined by the Toxicity Characteristic Leaching Procedure (TCLP). EarthCon can provide waste stream characterization sampling and TCLP analysis if requested.

### **Limitations**

This report was prepared for the sole and exclusive use and reliance of the Town of Pelahatchie. No other parties may rely on this report, in whole or in part, without the express written authorization of EarthCon, such authorization to be evidenced by a secondary client agreement executed by EarthCon and the secondary client. EarthCon makes no warranties or guarantees as to the accuracy or completeness of information, if any, provided or compiled by individuals or entities other than EarthCon. It is possible that, as a result of the limitations imposed on the scope of work, there exists relevant information that was not considered in the conclusions rendered in this report. Additional information, which was not found or available to EarthCon at the time of writing this report, may result in modification of the conclusions presented herein. This report is not intended to be and is not a legal opinion. The services performed by EarthCon have been conducted in a manner consistent with the level of care ordinarily exercised by members of our profession



currently practicing at the same time under similar conditions. No other warranty, expressed or implied, is made.

Should you have any questions concerning the contents of this report, please contact Kirk Giessinger at your convenience at (601) 853-2134. EarthCon Consultants, Inc. appreciates the opportunity to provide the Town of Pelahatchie with environmental consulting services.

Sincerely,  
EarthCon Consultants, Inc.



Kirk L. Giessinger  
Senior Project Manager  
Certificate No. ABI-00002367  
Expiration Date January 29, 2017



David Richardson  
Principal Consultant

Attachments

## **ATTACHMENTS**

**Attachment A**  
**Asbestos Analytical Report**

## CERTIFICATE OF ANALYSIS

**Client:** EarthCon Consultants, Inc  
PO Box 1246  
Madison MS 39130

**Report Date:** 11/15/2016  
**Report No.:** 523536 - PLM  
**Project:** 110 & 112 Brooks Street, Pelahatchie, MS  
**Project No.:** 02.20160355.55

**Client:** EAR166

### PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 6081537

**Client No.:** 01

Percent Asbestos:

*None Detected*

**Description:** White Floor Tile; 12x12

**Facility:**

Percent Non-Asbestos Fibrous Material:

None Detected

**Location:** 110

Percent Non-Fibrous Material:

100

**Lab No.:** 6081537(L2)

**Client No.:** 01

Percent Asbestos:

*None Detected*

**Description:** Clear Mastic

**Facility:**

Percent Non-Asbestos Fibrous Material:

None Detected

**Location:** 110

Percent Non-Fibrous Material:

100

**Lab No.:** 6081537(L3)

**Client No.:** 01

Percent Asbestos:

*PC 1.1 Chrysotile*

**Description:** Black Mastic

**Facility:**

Percent Non-Asbestos Fibrous Material:

None Detected

**Location:** 110

Percent Non-Fibrous Material:

98.9

**Lab No.:** 6081538

**Client No.:** 02

Percent Asbestos:

*None Detected*

**Description:** White Floor Tile; 12x12

**Facility:**

Percent Non-Asbestos Fibrous Material:

None Detected

**Location:** 110

Percent Non-Fibrous Material:

100

**Lab No.:** 6081538(L2)

**Client No.:** 02

Percent Asbestos:

*None Detected*

**Description:** Clear Mastic

**Facility:**

Percent Non-Asbestos Fibrous Material:

None Detected

**Location:** 110

Percent Non-Fibrous Material:

100

**Lab No.:** 6081539

**Client No.:** 03

Percent Asbestos:

*PC 6.5 Chrysotile*

**Description:** Tan Floor Tile; 9x9

**Facility:**

Percent Non-Asbestos Fibrous Material:

None Detected

**Location:** 110

Percent Non-Fibrous Material:

93.5

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

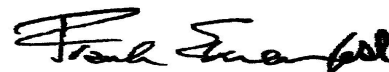
**Date Received:** 11/9/2016

**Date Analyzed:** 11/15/2016

**Signature:**

**Analyst:** Rachel McQuiggan

**Approved By:**



Frank E. Ehrenfeld, III  
Laboratory Director

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### PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 6081539(L2)  
**Client No.:** 03

**Description:** Black Mastic  
**Facility:**

**Location:** 110

Percent Asbestos:  
**PC 3.0 Chrysotile**

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
97

**Lab No.:** 6081540  
**Client No.:** 04

**Description:** Sample Not Analyzed  
**Facility:**

**Location:** 110

Percent Asbestos:  
**Sample Not Analyzed**

Percent Non-Asbestos Fibrous Material:  
Sample Not Analyzed

Percent Non-Fibrous Material:

**Lab No.:** 6081541  
**Client No.:** 05

**Description:** White/Tan Floor Tile; 12x12  
**Facility:**

**Location:** 110

Percent Asbestos:  
**None Detected**

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
100

**Lab No.:** 6081541(L2)  
**Client No.:** 05

**Description:** Tan/Black Mastic  
**Facility:**

**Location:** 110

Percent Asbestos:  
**PC 1.9 Chrysotile**

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
98.1

**Lab No.:** 6081542  
**Client No.:** 06

**Description:** White/Tan Floor Tile; 12x12  
**Facility:**

**Location:** 110

Percent Asbestos:  
**None Detected**

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
100

**Lab No.:** 6081543  
**Client No.:** 07

**Description:** Grey Floor Tile; 12x12  
**Facility:**

**Location:** 110

Percent Asbestos:  
**None Detected**

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

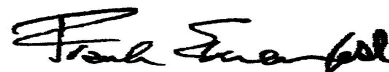
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**Analyst:** Rachel McQuiggan

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Frank E. Ehrenfeld, III  
Laboratory Director

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**Project No.:** 02.20160355.55

**Client:** EAR166

### PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 6081543(L2)  
**Client No.:** 07

**Description:** Yellow/Black Mastic  
**Facility:**

**Location:** 110

Percent Asbestos:  
*PC 1.4 Chrysotile*

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
98.6

**Lab No.:** 6081544  
**Client No.:** 08

**Description:** Grey Floor Tile; 12x12  
**Facility:**

**Location:** 110

Percent Asbestos:  
*None Detected*

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
100

**Lab No.:** 6081545  
**Client No.:** 09

**Description:** Tan Floor Tile; 12x12  
**Facility:**

**Location:** 110

Percent Asbestos:  
*None Detected*

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
100

**Lab No.:** 6081545(L2)  
**Client No.:** 09

**Description:** Clear Mastic  
**Facility:**

**Location:** 110

Percent Asbestos:  
*None Detected*

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
100

**Lab No.:** 6081546  
**Client No.:** 10

**Description:** White Floor Tile; 12x12  
**Facility:**

**Location:** 110

Percent Asbestos:  
*None Detected*

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
100

**Lab No.:** 6081546(L2)  
**Client No.:** 10

**Description:** Clear Mastic  
**Facility:**

**Location:** 110

Percent Asbestos:  
*None Detected*

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

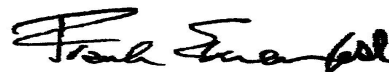
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### PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 6081546(L3)  
**Client No.:** 10

Percent Asbestos:  
*PC 1.1 Chrysotile*

**Description:** Black Mastic  
**Facility:**

Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:** 110

Percent Non-Fibrous Material:  
98.9

**Lab No.:** 6081547  
**Client No.:** 11

Percent Asbestos:  
*None Detected*

**Description:** White/Tan Ceiling Tile; 2x4  
**Facility:**

Percent Non-Asbestos Fibrous Material:  
45 Cellulose  
5 Fibrous Glass

**Location:** 110

Percent Non-Fibrous Material:  
50

**Lab No.:** 6081548  
**Client No.:** 12

Percent Asbestos:  
*None Detected*

**Description:** White/Tan Ceiling Tile; 2x4  
**Facility:**

Percent Non-Asbestos Fibrous Material:  
45 Cellulose  
5 Fibrous Glass

**Location:** 110

Percent Non-Fibrous Material:  
50

**Lab No.:** 6081549  
**Client No.:** 13

Percent Asbestos:  
*None Detected*

**Description:** Tan Glazing  
**Facility:**

Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:** 110/Window

Percent Non-Fibrous Material:  
100

**Lab No.:** 6081550  
**Client No.:** 14

Percent Asbestos:  
*None Detected*

**Description:** Tan Glazing  
**Facility:**

Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:** 110/Window

Percent Non-Fibrous Material:  
100

**Lab No.:** 6081551  
**Client No.:** 15

Percent Asbestos:  
*None Detected*

**Description:** Off-White Plaster  
**Facility:**

Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:** 112/Wall

Percent Non-Fibrous Material:  
100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

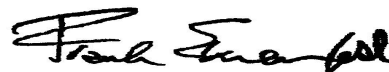
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**Client:** EAR166

### PLM BULK SAMPLE ANALYSIS SUMMARY

|                                                                                                          |                                                                                                                                     |                                                                          |
|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| <b>Lab No.:</b> 6081552<br><b>Client No.:</b> 16<br><u>Percent Asbestos:</u><br><i>None Detected</i>     | <b>Description:</b> Off-White Plaster<br><b>Facility:</b><br><u>Percent Non-Asbestos Fibrous Material:</u><br>None Detected         | <b>Location:</b> 112/Wall<br><u>Percent Non-Fibrous Material:</u><br>100 |
| <b>Lab No.:</b> 6081553<br><b>Client No.:</b> 17<br><u>Percent Asbestos:</u><br><i>None Detected</i>     | <b>Description:</b> Brown Vinyl Sheet Flooring<br><b>Facility:</b><br><u>Percent Non-Asbestos Fibrous Material:</u><br>25 Cellulose | <b>Location:</b> 112<br><u>Percent Non-Fibrous Material:</u><br>75       |
| <b>Lab No.:</b> 6081554<br><b>Client No.:</b> 18<br><u>Percent Asbestos:</u><br><i>None Detected</i>     | <b>Description:</b> Brown Vinyl Sheet Flooring<br><b>Facility:</b><br><u>Percent Non-Asbestos Fibrous Material:</u><br>25 Cellulose | <b>Location:</b> 112<br><u>Percent Non-Fibrous Material:</u><br>75       |
| <b>Lab No.:</b> 6081555<br><b>Client No.:</b> 19<br><u>Percent Asbestos:</u><br><i>None Detected</i>     | <b>Description:</b> Black Roof Material<br><b>Facility:</b><br><u>Percent Non-Asbestos Fibrous Material:</u><br>20 Fibrous Glass    | <b>Location:</b> 112/Roof<br><u>Percent Non-Fibrous Material:</u><br>80  |
| <b>Lab No.:</b> 6081555(L2)<br><b>Client No.:</b> 19<br><u>Percent Asbestos:</u><br><i>None Detected</i> | <b>Description:</b> Black Roof Material<br><b>Facility:</b><br><u>Percent Non-Asbestos Fibrous Material:</u><br>50 Cellulose        | <b>Location:</b> 112/Roof<br><u>Percent Non-Fibrous Material:</u><br>50  |
| <b>Lab No.:</b> 6081556<br><b>Client No.:</b> 20<br><u>Percent Asbestos:</u><br><i>None Detected</i>     | <b>Description:</b> Black Roof Material<br><b>Facility:</b><br><u>Percent Non-Asbestos Fibrous Material:</u><br>20 Fibrous Glass    | <b>Location:</b> 112/Roof<br><u>Percent Non-Fibrous Material:</u><br>80  |

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

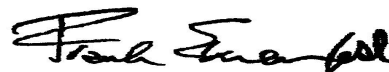
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**Approved By:**



Frank E. Ehrenfeld, III  
Laboratory Director

## CERTIFICATE OF ANALYSIS

**Client:** EarthCon Consultants, Inc  
PO Box 1246  
Madison MS 39130

**Report Date:** 11/15/2016  
**Report No.:** 523536 - PLM  
**Project:** 110 & 112 Brooks Street, Pelahatchie, MS  
**Project No.:** 02.20160355.55

**Client:** EAR166

### PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 6081556(L2)  
**Client No.:** 20

Percent Asbestos:  
*None Detected*

**Description:** Black Roof Material  
**Facility:**

Percent Non-Asbestos Fibrous Material:  
50 Cellulose

**Location:** 112/Roof

Percent Non-Fibrous Material:  
50

**Lab No.:** 6081557  
**Client No.:** 21

Percent Asbestos:  
*PC 5.0 Chrysotile*

**Description:** Black Roof Material  
**Facility:**

Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:** 112/Flashing

Percent Non-Fibrous Material:  
95

**Lab No.:** 6081558  
**Client No.:** 22

Percent Asbestos:  
*Sample Not Analyzed*

**Description:** Sample Not Analyzed  
**Facility:**

Percent Non-Asbestos Fibrous Material:  
Sample Not Analyzed

**Location:** 112/Flashing

Percent Non-Fibrous Material:

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

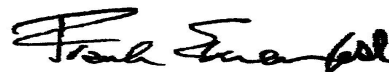
**Date Received:** 11/9/2016

**Date Analyzed:** 11/15/2016

**Signature:**

**Analyst:** Rachel McQuiggan

**Approved By:**



Frank E. Ehrenfeld, III  
Laboratory Director

## CERTIFICATE OF ANALYSIS

**Client:** EarthCon Consultants, Inc  
PO Box 1246  
Madison MS 39130  
  
**Client:** EAR166

**Report Date:** 11/15/2016  
**Report No.:** 523536 - PLM  
**Project:** 110 & 112 Brooks Street, Pelahatchie, MS  
**Project No.:** 02.20160355.55

### Appendix to Analytical Report

**Customer Contact:** Hal Moore  
**Analysis:** US EPA 600, R93-116

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

**iATL Customer Service:** customerservice@iatl.com  
**iATL Office Manager:** cdavis@iatl.com  
**iATL Account Representative:** Shirley Clark  
**Sample Login Notes:** See Batch Sheet Attached  
**Sample Matrix:** Bulk Building Materials  
**Exceptions Noted:** See Following Pages

#### General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at [www.iATL.com](http://www.iATL.com) and in our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA LAP LLC, or any agency of local, state or province governments nor of any agency of the U.S. government.

This report shall not be reproduced except in full, without written approval of the laboratory.

#### Information Pertinent to this Report:

Analysis by US EPA 600 93-116: Determination of Asbestos in Bulk Building Materials by Polarized Light Microscopy (PLM).

#### Certifications:

- NIST-NVLAP No. 101165-0
- NY-DOH No. 11021
- AIHA-LAP, LLC No. 100188

Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analytical Methodology Alternatives: Your initial request for analysis may not have accounted for recent advances in regulatory requirements or advances in technology that are routinely used in similar situations for other qualified projects. You may have the option to explore additional analysis for further information. Below are a few options, listed as the matrix followed by the appropriate methodology. Also included are links to more information on our website.

Bulk Building Materials that are Non-Friable Organically Bound (NOB) by Gravimetric Reduction techniques employing PLM and TEM: ELAP 198.6 (PLM-NOB), ELAP 198.4 (TEM-NOB)

Loose Fill Vermiculite Insulation, Attic Insulation, Zonolite (copyright), etc.: US EPA 600 R-4/004 (multi-tiered analytical process)  
Sprayed On Insulation/Fireproofing with Vermiculite (SOF-V): ELAP 198.8 (PLM-SOF-V)>

Soil, sludge, sediment, aggregate, and like materials analyzed for asbestos or other elongated mineral particles (ex. erionite, etc.): ASTM D7521, CARB 435, and other options available

## CERTIFICATE OF ANALYSIS

**Client:** EarthCon Consultants, Inc  
PO Box 1246  
Madison MS 39130

**Client:** EAR166

**Report Date:** 11/15/2016  
**Report No.:** 523536 - PLM  
**Project:** 110 & 112 Brooks Street, Pelahatchie, MS  
**Project No.:** 02.20160355.55

Asbestos in Surface Dust according to one of ASTM's Methods (very dependent on sampling collection technique – by TEM): ASTM D 5755, D5756, or D6480

Various other asbestos matrices (air, water, etc.) and analytical methods are available.

### Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a list with highlighted disclaimers that may be pertinent to this project. For a full explanation of these and other disclaimers, please inquire at [customerservice@iatl.com](mailto:customerservice@iatl.com).

- 1) Note: No mastic provided for analysis.
- 2) Note: Insufficient mastic provided for analysis.
- 3) Note: Insufficient material provided for analysis.
- 4) Note: Insufficient sample provided for QC reanalysis.
- 5) Note: Different material than indicated on Sample Log / Description.
- 6) Note: Sample not submitted.
- 7) Note: Attached to asbestos containing material.
- 8) Note: Received wet.
- 9) Note: Possible surface contamination.
- 10) Note: Not building material. 1% threshold may not apply.
- 11) Note: Recommend TEM-NOB analysis as per EPA recommendations.
- 12) Note: Asbestos detected but not quantifiable.
- 13) Note: Multiple identical samples submitted, only one analyzed.
- 14) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.080%.
- 15) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.125%.

### Recommendations for Vermiculite Analysis:

Several analytical protocols exist for the analysis of asbestos in vermiculite. These analytical approaches vary depending upon the nature of the vermiculite mineral being tested (e.g. un-processed gangue, homogeneous exfoliated books of mica, or mixed mineral composites). Please contact your client representative for pricing and turnaround time options available.

iATL recommends initial testing using the EPA 600/R-93/116 method. This method is specifically designed for the analysis of asbestos in bulk building materials. It provides an acceptable starting point for primary screening of vermiculite for possible asbestos.

Results from this testing may be inconclusive. EPA suggests proceeding to a multi-tiered analysis involving wet separation techniques in conjunction with PLM and TEM gravimetric analysis (EPA 600/R-04/004).

Further information on this method and other vermiculite and asbestos issues can be found at the following: Agency for Toxic Substances and Disease Registry (ATSDR) [www.atsdr.cdc.gov](http://www.atsdr.cdc.gov), United States Geological Survey (USGS) [www.minerals.usgs.gov/minerals/](http://www.minerals.usgs.gov/minerals/), US EPA [www.epa.gov/asbestos](http://www.epa.gov/asbestos). The USEPA also has an informative brochure "Current Best Practices for Vermiculite Attic Insulation" EPA 747F03001 May 2003, that may assist the health and remediation professional.

The following is a summary of the analytical process outlines in the EPA 600/R-04/004 Method:

- 1) **Analytical Step/Method:** Initial Screening by PLM, EPA 600R-93/116  
**Requirements/Comments:** Minimum of 0.1 g of sample. ~0.25% LOQ for most samples.
- 2) **Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004  
**Requirements/Comments:** Minimum 50g\*\* of dry sample. Analysis of "Sinks" only.
- 3) **Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004  
**Requirements/Comments:** Minimum 50g\*\* of dry sample. Analysis of "Floats" only.
- 4) **Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004  
**Requirements/Comments:** Minimum 50g\*\* of dry sample. Analysis of "Sinks" only.
- 5) **Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004  
**Requirements/Comments:** Minimum 50g\*\* of dry sample. Analysis of "Suspension" only.

LOQ, Limit of Quantitation estimates for mass and volume analyses.

\*With advance notice and confirmation by the laboratory.

\*\*Approximately 1 Liter of sample in double-bagged container (~9x6 inch bag of sample).

## Chain of Custody

–Bulk Asbestos–

### Contact Information

**Client Company:** EarthCon Consultants, Inc.  
**Office Address:** P.O Box 1246  
**City, State, Zip:** Madison, MS 39130  
**Fax Number:** \_\_\_\_\_  
**Email Address:** kgiessinger@earthcon.com

**Project Number:** 02.20160355.55  
**Project Name:** Town of Pelahatchie  
**Primary Contact:** Kirk Giessinger  
**Office Phone:** 601-853-2134  
**Cell Phone:** 601-519-2420

### PLM Instructions:

- ☒ PLM: Bulk Asbestos Building Materials EPA 600 R-93/116, 1993
- ☐ PLM: Bulk Asbestos Building Materials EPA 600 M-4/82-020, 1982
- ☐ PLM: Bulk Asbestos Building Materials NIOSH 9002, 1985
- ☐ PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.1, 2002
- ☐ PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.6, 2010
- ☐ TEM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.4, 2009
- ☐ PLM: Point Counting
  - ☐ PC: via ELAP 198.1
  - ☐ PC: 400 Points
  - ☐ PC: 800 Points \*
  - ☐ PC: 1600 Points \*
- ☐ PLM: Instructions for Multi-Layered Samples
  - ☐ Analyze and Report All Separable Layers per EPA 600
  - ☐ Report Composite for Drywall Systems per NESHAP
  - ☐ Report All Layers and Composite Where Applicable
  - ☐ Only Analyze and Report Specifically Noted Layer
- ☒ PLM: Analyze Until Positive (Positive Stop)
  - ☐ AUP: by Homogenous Area as Noted
  - ☒ AUP: by Material Type as Noted
- ☐ PLM: NOB via 198.6
  - ☐ PLM: Friable via EPA 600 2.3
  - ☐ If <1% by PLM, to TEM via 198.4 \*
  - ☐ If <1% by PLM, Hold for Instructions
- ☐ PLM: Non-Building Material<sup>\*,\*\*</sup> (Dust, Wipe, Tape)
  - ☐ Soil or Vermiculite Analysis<sup>\*</sup>
  - ☐ CARB 435

### Special Instructions:

\* Additional charge and turnaround may be required

\*\* Alternative Method (ex: EPA 600/R-04/004) may be recommended by Laboratory

### Turnaround Time

Preliminary Results Requested Date: \_\_\_\_\_

☐ Verbal ☒ Email ☐ Fax

Specific date / time

☐ 10 Day ☒ 5 Day ☐ 3 Day ☐ 2 Day ☐ 1 Day\* ☐ 12 Hour\*\* ☐ 6 Hour\*\* ☐ RUSH\*\*

\* End of next business day unless otherwise specified. \*\* Matrix Dependent. \*\*\*Please notify the lab before shipping\*\*\*

### Chain of Custody

Relinquished (Name/Organization): 1721 Date: 11-08-2016  
Received (Name / iATL): \_\_\_\_\_ Date: \_\_\_\_\_  
Sample Login (Name / iATL): 17211116 Date: \_\_\_\_\_  
Analysis(Name(s) / iATL): RM111116 Date: \_\_\_\_\_  
QA/QC Review (Name / iATL): ALB Date: 11-16-16  
Archived / Released: \_\_\_\_\_ QA/QC InterLAB Use: \_\_\_\_\_ Date: \_\_\_\_\_

**RECEIVED**  
Time: 1700  
Date: NOV - 9 2016  
Time: \_\_\_\_\_  
Time: \_\_\_\_\_  
Time: \_\_\_\_\_  
Time: \_\_\_\_\_  
Time: \_\_\_\_\_

**iATL - By** WJG

## Sample Log

–Bulk Asbestos–

Client: Town of Pelahatchie

Project: 110 and 112 Brooks Street, Pelahatchie, MS/02.20160355.55

Sampling Date/Time: 11-08-2016

| Bulk Asbestos Sample Log |         |                                     |       |
|--------------------------|---------|-------------------------------------|-------|
| Client Sample #          | iATL #  | Location/Description                | Notes |
| 01                       | 6081537 | 110/12x12 White Floor tile/Mastic   |       |
| 02                       | 6081538 | 110/12x12 White Floor tile/Mastic   |       |
| 03                       | 6081539 | 110/9x9' Tan Floor tile/Mastic      |       |
| 04                       | 6081540 | 110/9x9' Tan Floor tile/Mastic      |       |
| 05                       | 6081541 | 110/12x12 White Speckled Floor tile |       |
| 06                       | 6081542 | 110/12x12 White Speckled Floor tile |       |
| 07                       | 6081543 | 110/12x12 Gray Floor tile           |       |
| 08                       | 6081544 | 110/12x12 Gray Floor tile           |       |
| 09                       | 6081545 | 110/12x12 Tan Floor tile            |       |
| 10                       | 6081546 | 110/12x12 Tan Floor tile            |       |
| 11                       | 6081547 | 110/2x4 Ceiling Tile                |       |
| 12                       | 6081548 | 110/2x4 Ceiling Tile                |       |
| 13                       | 6081549 | 110/Window glazing                  |       |
| 14                       | 6081550 | 110/Window glazing                  |       |
| 15                       | 6081551 | 112/Wall Plaster                    |       |
| 16                       | 6081552 | 112/Wall Plaster                    |       |

9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054  
Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

# Sample Log

## –Bulk Asbestos–

Client: **Town of Pelahatchie**

Project: 110 and 112 Brooks Street, Pelahatchie, MS/02.20160355.55

Sampling Date/Time: 11-08-2016

[illegible]

**Attachment B**  
**Lead Analytical Report**



## CERTIFICATE OF ANALYSIS

**Client:** EarthCon Consultants, Inc  
PO Box 1246  
Madison MS 39130

**Report Date:** 11/16/2016  
**Report No.:** 523523 - Lead Paint  
**Project:** Town Of Pelahatchie  
**Project No.:** 02.20160355.55

**Client:** EAR166

### LEAD PAINT SAMPLE ANALYSIS SUMMARY

|                         |                                        |                                      |
|-------------------------|----------------------------------------|--------------------------------------|
| <b>Lab No.:</b> 6078811 | <b>Description:</b> White              | <b>Result (% by Weight):</b> <0.0083 |
| <b>Client No.:</b> 01   | <b>Location:</b> 110/Exterior, 11-8-16 | <b>Result (ppm):</b> <83             |
| <b>Comments:</b>        |                                        |                                      |

|                         |                                        |                                      |
|-------------------------|----------------------------------------|--------------------------------------|
| <b>Lab No.:</b> 6078812 | <b>Description:</b> Pink               | <b>Result (% by Weight):</b> <0.0084 |
| <b>Client No.:</b> 02   | <b>Location:</b> 110/Interior, 11-8-16 | <b>Result (ppm):</b> <84             |
| <b>Comments:</b>        |                                        |                                      |

|                         |                                        |                                     |
|-------------------------|----------------------------------------|-------------------------------------|
| <b>Lab No.:</b> 6078813 | <b>Description:</b> Orange             | <b>Result (% by Weight):</b> 0.0075 |
| <b>Client No.:</b> 03   | <b>Location:</b> 110/Interior, 11-8-16 | <b>Result (ppm):</b> 75             |
| <b>Comments:</b>        |                                        |                                     |

|                         |                                             |                                    |
|-------------------------|---------------------------------------------|------------------------------------|
| <b>Lab No.:</b> 6078814 | <b>Description:</b> Green                   | <b>Result (% by Weight):</b> 0.083 |
| <b>Client No.:</b> 04   | <b>Location:</b> 110/Interior Base, 11-8-16 | <b>Result (ppm):</b> 830           |
| <b>Comments:</b>        |                                             |                                    |

|                         |                                        |                                  |
|-------------------------|----------------------------------------|----------------------------------|
| <b>Lab No.:</b> 6078815 | <b>Description:</b> White              | <b>Result (% by Weight):</b> 1.2 |
| <b>Client No.:</b> 05   | <b>Location:</b> 112/Interior, 11-8-16 | <b>Result (ppm):</b> 12000       |
| <b>Comments:</b>        |                                        |                                  |

|                         |                                        |                                     |
|-------------------------|----------------------------------------|-------------------------------------|
| <b>Lab No.:</b> 6078816 | <b>Description:</b> Tan                | <b>Result (% by Weight):</b> 0.0096 |
| <b>Client No.:</b> 06   | <b>Location:</b> 112/Interior, 11-8-16 | <b>Result (ppm):</b> 96             |
| <b>Comments:</b> ***    |                                        |                                     |

|                         |                                        |                                  |
|-------------------------|----------------------------------------|----------------------------------|
| <b>Lab No.:</b> 6078817 | <b>Description:</b> Lt. Tan            | <b>Result (% by Weight):</b> 8.1 |
| <b>Client No.:</b> 07   | <b>Location:</b> 112/Exterior, 11-8-16 | <b>Result (ppm):</b> 81000       |
| <b>Comments:</b>        |                                        |                                  |

|                         |                                        |                                    |
|-------------------------|----------------------------------------|------------------------------------|
| <b>Lab No.:</b> 6078818 | <b>Description:</b> White              | <b>Result (% by Weight):</b> 0.071 |
| <b>Client No.:</b> 08   | <b>Location:</b> 112/Exterior, 11-8-16 | <b>Result (ppm):</b> 710           |
| <b>Comments:</b>        |                                        |                                    |

Please refer to the Appendix of this report for further information regarding your analysis.

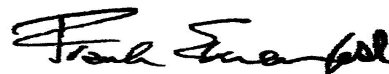
**Date Received:** 11/9/2016

**Date Analyzed:** 11/16/2016

**Signature:**

**Analyst:** Chad Shaffer

**Approved By:**



Frank E. Ehrenfeld, III  
Laboratory Director

## CERTIFICATE OF ANALYSIS

**Client:** EarthCon Consultants, Inc  
PO Box 1246  
Madison MS 39130

**Report Date:** 11/16/2016  
**Report No.:** 523523 - Lead Paint  
**Project:** Town Of Pelahatchie  
**Project No.:** 02.20160355.55

**Client:** EAR166

### LEAD PAINT SAMPLE ANALYSIS SUMMARY

**Lab No.:** 6078819  
**Client No.:** 09

**Description:** Tan  
**Location:** 110/Exterior, 11-8-16

**Result (% by Weight):** 0.044  
**Result (ppm):** 440  
**Comments:**

Please refer to the Appendix of this report for further information regarding your analysis.

**Date Received:** 11/9/2016

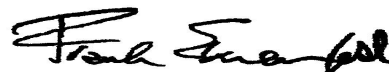
**Date Analyzed:** 11/16/2016

**Signature:**



**Analyst:** Chad Shaffer

**Approved By:**



Frank E. Ehrenfeld, III  
Laboratory Director

## CERTIFICATE OF ANALYSIS

**Client:** EarthCon Consultants, Inc  
PO Box 1246  
Madison MS 39130

**Report Date:** 11/16/2016  
**Report No.:** 523523 - Lead Paint  
**Project:** Town Of Pelahatchie  
**Project No.:** 02.20160355.55

**Client:** EAR166

### Appendix to Analytical Report:

**Customer Contact:** Hal Moore  
**Analysis:** ASTM D3335-85a

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

**iATL Customer Service:** customerservice@iatl.com  
**iATL Office Manager:** cdavis@iatl.com  
**iATL Account Representative:** Shirley Clark  
**Sample Login Notes:** See Batch Sheet Attached  
**Sample Matrix:** Paint  
**Exceptions Noted:** See Following Pages

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iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

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This report shall not be reproduced except in full, without written approval of the laboratory.

### Information Pertinent to this Report:

Analysis by ASTM D3335-85a by AAS

#### Certification:

- National Lead Laboratory Program (NLLAP): AIHA-LAP, LLC No. 100188  
- NYSDOH-ELAP No. 11021

Regulatory limit is 0.5% lead by weight (EPA/HUD guidelines). Recommend multiple sampling for all samples less than regulatory limit for confirmation.

All results are based on the samples as received at the lab. iATL assumes that appropriate sampling methods have been used and that the data upon which these results are based have been accurately supplied by the client.

Method Detection Limit (MDL) per EPA Method 40CFR Part 136 Appendix B.

Reporting Limit (RL) based upon Lowest Standard Determined (LSD) in accordance with AIHA-ELLAP policies.

LSD=0.2 ppm MDL=0.005% by weight. RL= 0.010% by weight (based upon 100 mg sampled).

\* Insufficient sample provided to perform QC reanalysis (<200 mg)

\*\* Not enough sample provided to analyze (<50 mg)

\*\*\* Matrix / substrate interference possible.

---

## CERTIFICATE OF ANALYSIS

---

**Client:** EarthCon Consultants, Inc  
PO Box 1246  
Madison MS 39130

**Client:** EAR166

**Report Date:** 11/16/2016  
**Report No.:** 523523 - Lead Paint  
**Project:** Town Of Pelahatchie  
**Project No.:** 02.20160355.55

### Disclaimers / Qualifiers:

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\* NOTE: Multiple samples received in container. Composite analysis requested per EPA/HUD guidelines not covered by NLLAP/AIHA accreditation.

## Chain of Custody

– Environmental Lead –

### Contact Information

**Client Company:** EarthCon Consultants, Inc.  
**Office Address:** P.O Box 1246  
**City, State, Zip:** Madison, MS 39130  
**Fax Number:**  
**Email Address:** kgiessinger@earthcon.com

**Project Number:** 02.20160355.55  
**Project Name:** Town of Pelahatchie  
**Primary Contact:** Kirk Giessinger  
**Office Phone:** 601-853-2134  
**Cell Phone:** 601-519-2420

iATL is accredited by the National Lead Laboratory Accreditation Program (NLLAP) to perform analytical testing of environmental samples for lead (Pb). The accreditation is through AIHA-LAP, LLC and several other nationally recognized state programs.

### Matrix/Method:

- ☒ Paint by AAS: ASTM D3335-85a, 2009  
☐ Wipe/Dust by AAS: SW 846: 3050B: 700B, 2010  
☐ Air by AAS: NIOSH 7082, 1994  
☐ Soil by AAS: EPA SW 846 (Soil)  
☐ Water by AAS-GF: ASTM D3559-03D, US EPA 200.9  
☐ Other Metals (Cd, Zn, Cr) by AAS  
☐ Toxicity Characteristic Leaching Procedure (TCLP) by AAS: US EPA 1311  
☐ Other \_\_\_\_\_

### Special Instructions:

### Turnaround Time

Preliminary Results Requested Date: \_\_\_\_\_

☐ Verbal ☐ Email ☐ Fax

Specific date / time

☐ 10 Day ☒ 5 Day ☐ 3 Day ☐ 2 Day ☐ 1 Day\* ☐ 12 Hour\*\* ☐ 6 Hour\*\* ☐ RUSH\*\*

\* End of next business day unless otherwise specified. \*\* Matrix Dependent. \*\*\*Please notify the lab before shipping\*\*\*

### Chain of Custody

Relinquished (Name/Organization): ML  
Received (Name / iATL):  
Sample Login (Name / iATL): WML-10-10  
Analysis(Name(s) / iATL):  
QA/QC Review (Name / iATL): ML 11/16/16  
Archived / Released: \_\_\_\_\_ QA/QC InterLAB Use: \_\_\_\_\_

Date: 11-8-16 Time: 1700  
Date: 11-8-16 Time: 1700  
Date: 11-8-16 Time: 1700  
Date: 11-8-16 Time: 1700  
Date: 11-8-16 Time: 1700  
Date: 11-8-16 Time: 1700

## Sample Log

—Environmental Lead—

Client: **Town of Pelahatchie**

Project: **110 and 112 Brooks Street, Pelahatchie, MS/02.20160355.55**

Sampling Date/Time: **11-08-2016**

| Client Sample # | iATL #  | Location/<br>Description | Flow<br>Rate | Start<br>End | Sampling<br>time (min) | Area (ft <sup>2</sup> )<br>Volume (L) | Results<br>( ) |
|-----------------|---------|--------------------------|--------------|--------------|------------------------|---------------------------------------|----------------|
| 01              | 6078811 | 110/white exterior       |              |              |                        |                                       |                |
| 02              | 6078812 | 110/pink interior        |              |              |                        |                                       |                |
| 03              | 6078813 | 110/orange interior      |              |              |                        |                                       |                |
| 04              | 6078814 | 110/green interior base  |              |              |                        |                                       |                |
| 05              | 6078815 | 112/white interior       |              |              |                        |                                       |                |
| 06              | 6078816 | 112/tan interior         |              |              |                        |                                       |                |
| 07              | 6078817 | 112/lt. tan exterior     |              |              |                        |                                       |                |
| 08              | 6078818 | 112/white exterior       |              |              |                        |                                       |                |
| 09              | 6078819 | 110/tan exterior         |              |              |                        |                                       |                |
|                 |         |                          |              |              |                        |                                       |                |
|                 |         |                          |              |              |                        |                                       |                |
|                 |         |                          |              |              |                        |                                       |                |
|                 |         |                          |              |              |                        |                                       |                |
|                 |         |                          |              |              |                        |                                       |                |
|                 |         |                          |              |              |                        |                                       |                |

\* = Insufficient Sample Provided to Perform QC Reanalysis (<200mg)

\*\* = Insufficient Sample Provided to Analyze (<50mg) \*\*\* = Matrix / Substrate Interference Possible

FB = Method Requires the submittal of blank(s). ML = Multi Layered Sample. May result in inconsistent results.

These preliminary results are issued by iATL to expedite procedures by clients based upon the above data. iATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NJDEP conditions apply.

**DAILY QUALITY CONTROL DATA****LEAD SAMPLE ANALYSIS**

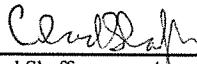
(DATE: 11 / 16 / 16)

| Standard              | Total Lead<br>(mg) | Percent<br>Recovery ** |
|-----------------------|--------------------|------------------------|
| Reagent Blank         | 0.000              | < LOQ                  |
| Blank Spike           | 0.500              | 100                    |
| Lab Control Std       | 1.400              | 102                    |
| Matrix Spike - LBP *  | 0.28               | 96                     |
| Matrix Spike - Wipe * | 0.40               | 113                    |
| Matrix Spike - Soil * | 0.296              | 93                     |
| Matrix spike - Air *  | 0.050              | 100                    |
| 2.5 ppm Standard      | 0.25               | 97                     |
| 10.0 ppm Standard     | 1.0                | 102                    |
| 40.0 ppm Standard     | 4.0                | 103                    |

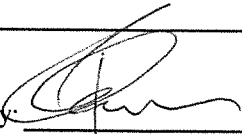
**AIHA-LAP, LLC No. 100188****NYSDOH-ELAP No. 11021**

Analysis Method: ASTM D3335-85A  
NIOSH 7082  
EPA SW846 3050B 7000B

Comments: IATL assumes that all sampling complies with accepted methods.  
All client supplied sampling data is assumed to be correct when calculating results.  
Detection limit based upon 0.2 mg/L reporting limit and sample size.  
\* NIST Traceable.  
\*\* 80-120% acceptable limits.

Analyzed By: 

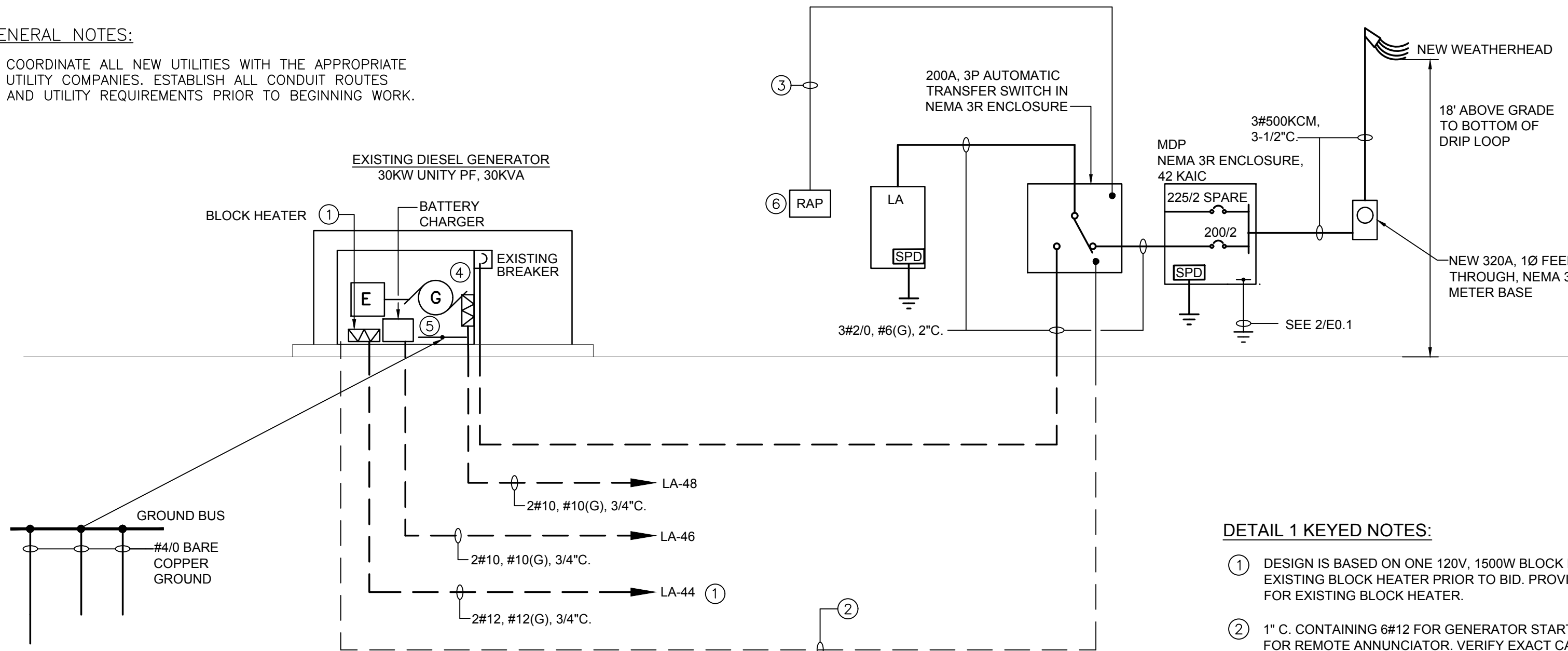
R. Chad Shaffer

Date: 11/16/16Approved By: Frank E. Ehrenfeld, III  
Laboratory Director



GENERAL NOTES:

- A. COORDINATE ALL NEW UTILITIES WITH THE APPROPRIATE UTILITY COMPANIES. ESTABLISH ALL CONDUIT ROUTES AND UTILITY REQUIREMENTS PRIOR TO BEGINNING WORK.

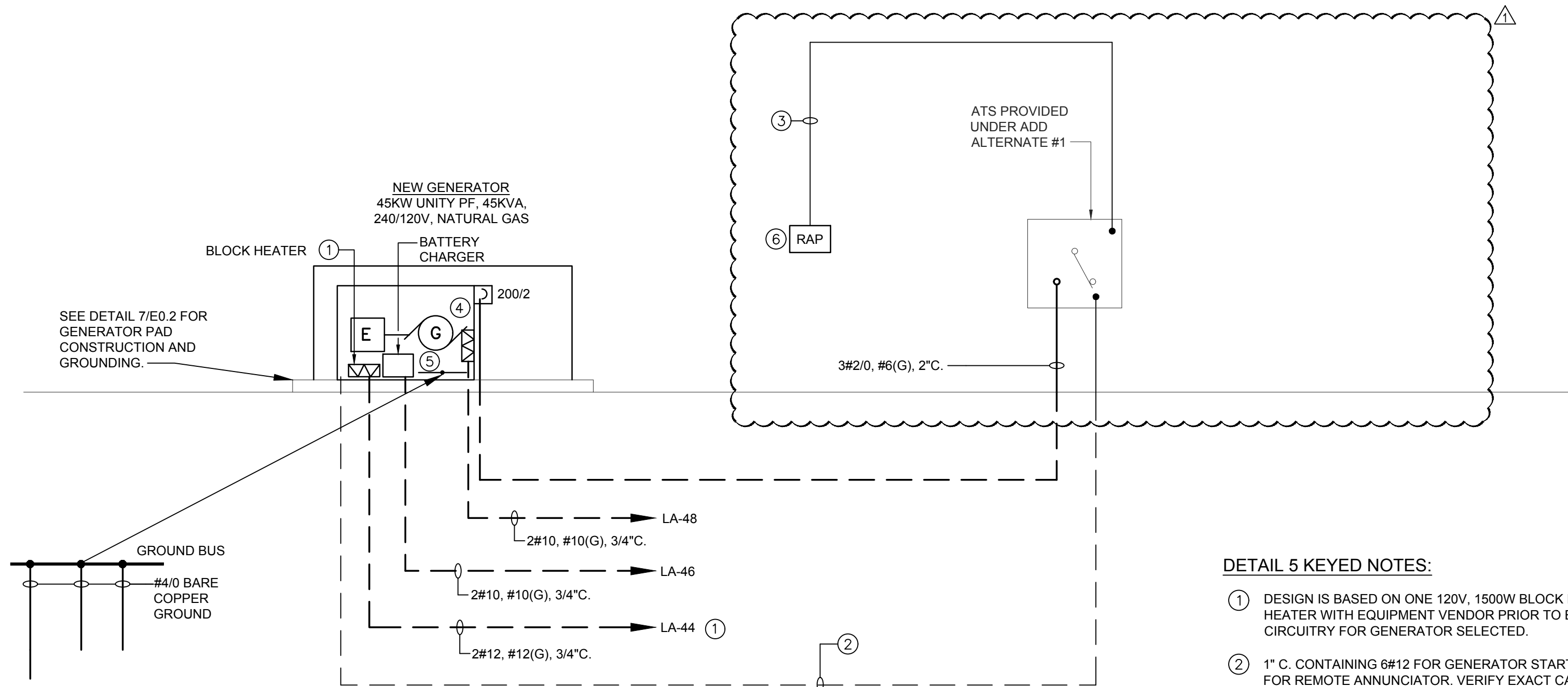


DETAIL 1 KEYED NOTES:

- DESIGN IS BASED ON ONE 120V, 1500W BLOCK HEATER. VERIFY ELECTRICAL REQUIREMENTS FOR EXISTING BLOCK HEATER PRIOR TO BID. PROVIDE APPROPRIATE BREAKER, RACEWAY, AND CIRCUITRY FOR EXISTING BLOCK HEATER.
- 1" C. CONTAINING 6#12 FOR GENERATOR START AND ONE BELDEN #9841 TWISTED, SHIELDED PAIR CABLE FOR REMOTE ANNUNCIATOR. VERIFY EXACT CABLING REQUIREMENTS WITH EQUIPMENT VENDOR PRIOR TO BID.
- 3/4" C. CONTAINING ONE BELDEN #9841 TWISTED, SHIELDED PAIR CABLE FOR REMOTE ANNUNCIATOR. VERIFY EXACT CABLING REQUIREMENTS WITH EXISTING GENERATOR PRIOR TO BID.
- GENERATOR ENCLOSURE HEATER. VERIFY ELECTRICAL REQUIREMENTS FOR EXISTING ENCLOSURE HEATER PRIOR TO BID. PROVIDE APPROPRIATE BREAKER, RACEWAYS, AND CIRCUITRY FOR EXISTING ENCLOSURE HEATER.
- GENERATOR NEUTRAL SHALL BE BONDED TO GROUND.
- COORDINATE REMOTE ANNUNCIATOR PANEL LOCATION WITH OWNER.

1 SINGLE LINE DIAGRAM (ADD ALTERNATE #1)

E0.1 Scale: NONE



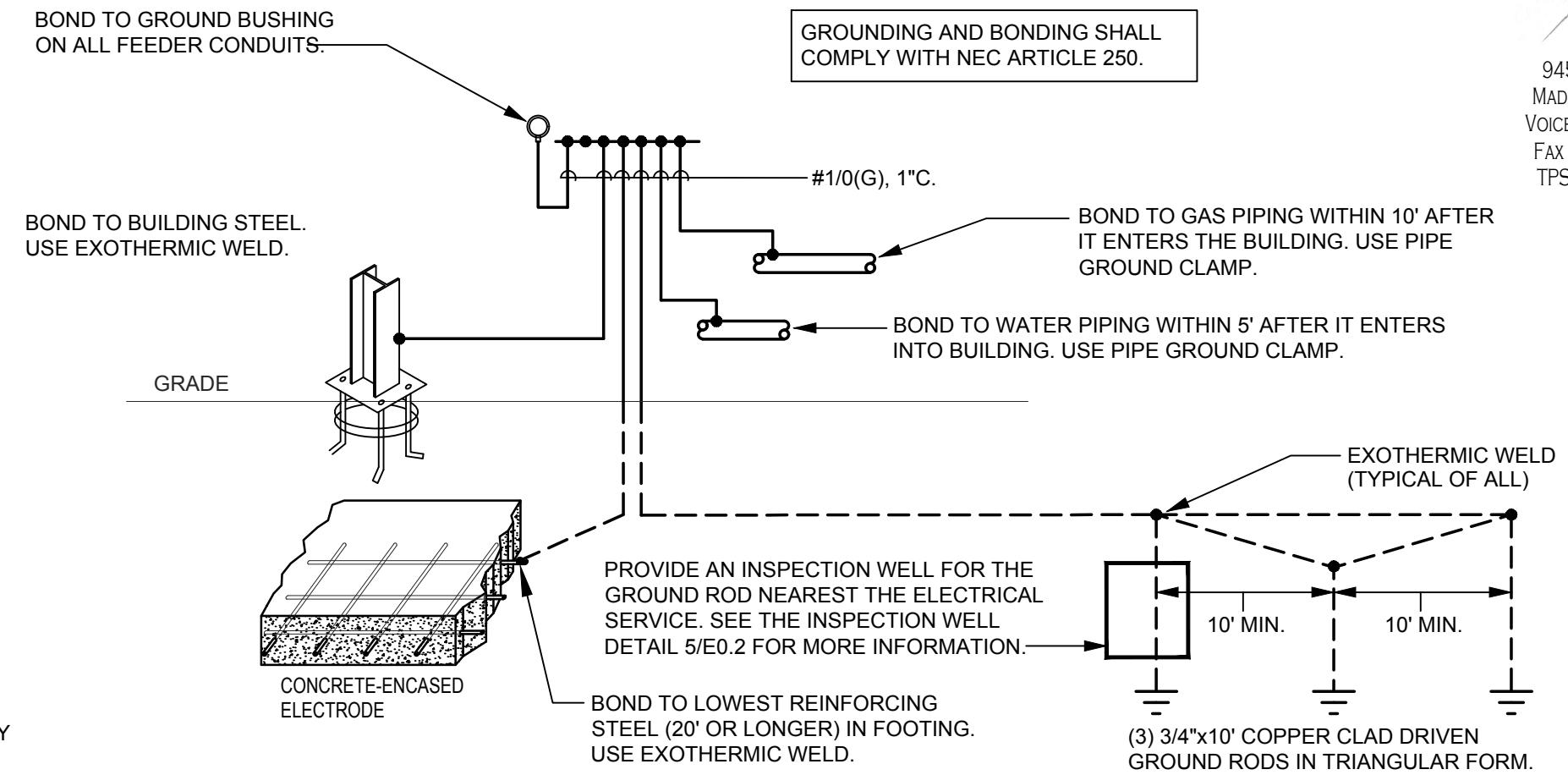
DETAIL 5 KEYED NOTES:

- DESIGN IS BASED ON ONE 120V, 1500W BLOCK HEATER. VERIFY ELECTRICAL REQUIREMENTS FOR BLOCK HEATER WITH EQUIPMENT VENDOR PRIOR TO BID. PROVIDE APPROPRIATE BREAKER, RACEWAY, AND CIRCUITRY FOR GENERATOR SELECTED.
- 1" C. CONTAINING 6#12 FOR GENERATOR START AND ONE BELDEN #9841 TWISTED, SHIELDED PAIR CABLE FOR REMOTE ANNUNCIATOR. VERIFY EXACT CABLING REQUIREMENTS WITH EQUIPMENT VENDOR PRIOR TO BID.
- 3/4" C. CONTAINING ONE BELDEN #9841 TWISTED, SHIELDED PAIR CABLE FOR REMOTE ANNUNCIATOR. VERIFY EXACT CABLING REQUIREMENTS WITH EQUIPMENT VENDOR PRIOR TO BID.
- GENERATOR ENCLOSURE HEATER. VERIFY ELECTRICAL REQUIREMENTS WITH EQUIPMENT VENDOR PRIOR TO BID. PROVIDE APPROPRIATE BREAKER, RACEWAYS, AND CIRCUITRY FOR GENERATOR SELECTED.
- GENERATOR NEUTRAL SHALL BE BONDED TO GROUND.
- COORDINATE REMOTE ANNUNCIATOR PANEL LOCATION WITH OWNER.

5 SINGLE LINE DIAGRAM (ADD ALTERNATE #2)

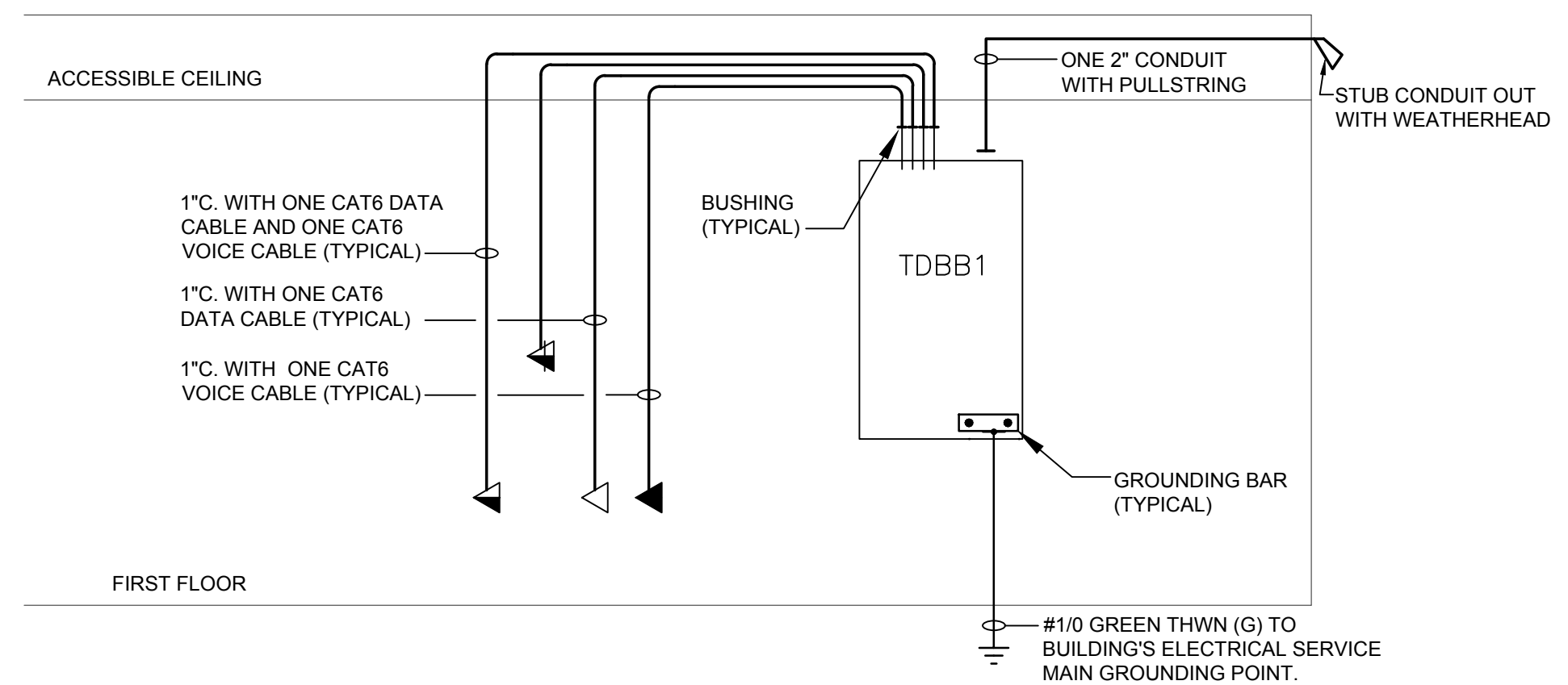
E0.1 Scale: NONE

ADD ALTERNATE #2 SHALL INCLUDE PROVIDING AND INSTALLING THE NEW GENERATOR, REMOTE ANNUNCIATOR PANEL, CONDUIT, CIRCUITRY, GENERATOR PAD, GROUNDING, ETC. THE TRANSFER SWITCH SHALL BE PROVIDED UNDER ADD ALTERNATE #1 AS SHOWN.



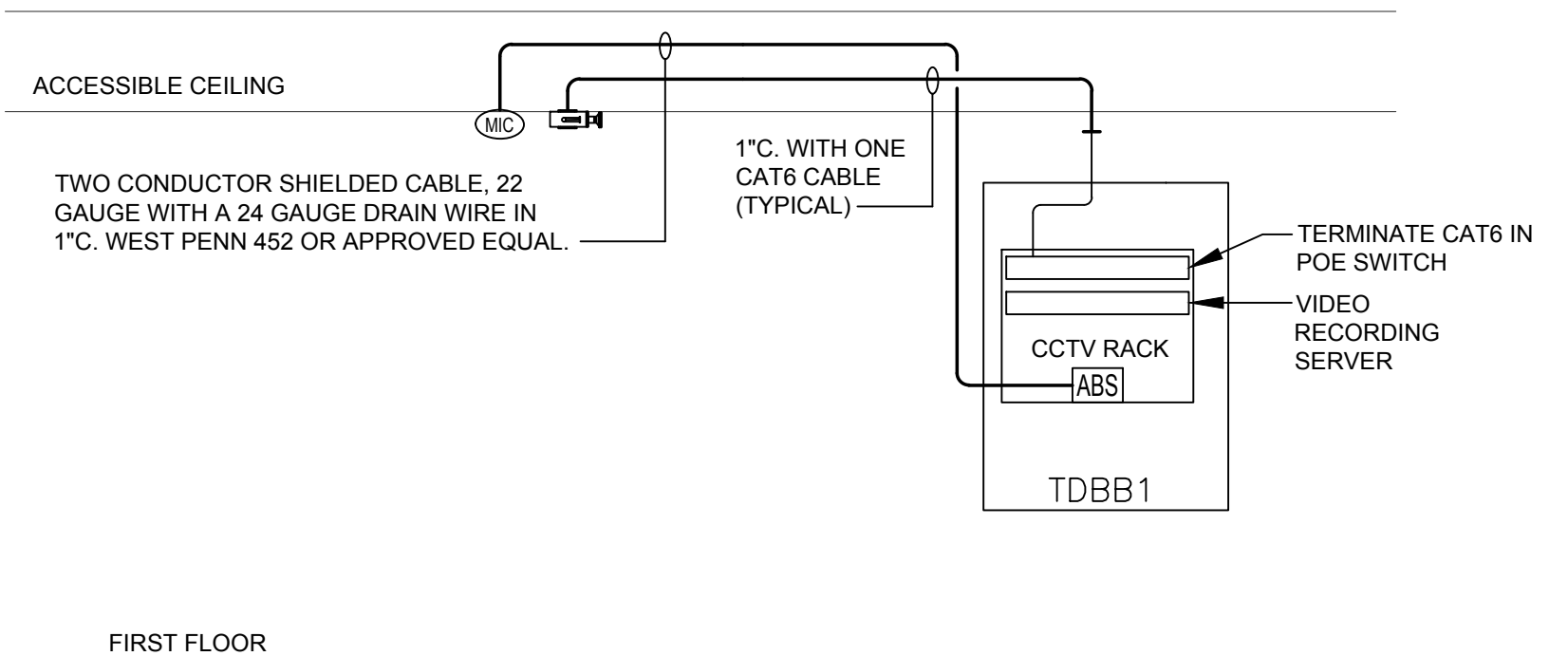
2 GROUNDING DETAIL

E0.1 Scale: NONE



3 TELEPHONE AND DATA RISER (ADD ALTERNATE #1)

E0.1 Scale: NONE



4 CCTV RISER (ADD ALTERNATE #1)

E0.1 Scale: NONE



J. SCOTT WILLIAMS  
ARCHITECTURE, PLLC  
176 RIVER PARK DRIVE  
JACKSON, MS 39202  
601.209.7334  
jswarchitecture.com

Project Title:  
TOWN OF PELAHATCHIE, MS  
POLICE & COURT SERVICES  
RENOVATION & EXPANSION  
PELAHATCHIE, MS 39145

PROJECT NO:  
16-027  
DATE:  
7/10/2017  
REVISIONS:  
-

DRAWINGS:

SHEET NO.  
E0.1  
OF