PROJECT MANUAL

PROJECT NAME:

WRC Decentralization Phase 3 & Fire Alarm Phase 2 & Chapel Sprinkler

Bid package 09-1 Re-issuance, Abatement, and Dispatch Garage Decentralization

PROJECT ADDRESS:
1251 334th Street
Woodward, Iowa 50276

PROJECT DATE: January 11, 2024

OWNER:
Iowa Department of Administrative Services
109 Southeast 13th Street
Des Moines, Iowa 50319

OWNER PROJECT NUMBER: 9279.30-31 & 9294.01

OWNER REQUEST FOR BID NUMBER: RFB 927930-02

CONSTRUCTION MANAGER:
Story Construction
2810 Wakefield Circle
Ames, Iowa 50010

CONSTRUCTION MANAGER PROJECT NUMBER: 23505

ARCHITECT:
Shive-Hattery
4125 Westown Parkway Suite 100
West Des Moines, Iowa, 50266

ARCHITECT PROJECT NUMBER: 2142203394

SECTION 00 0105

CERTIFICATIONS PAGE

STATE OF IOWA



I hereby certify that the portion of this technical submission described below was prepared by me or under my direct supervision and responsible charge. I am a duly Licensed Architect under the laws of the State of Iowa.

Printed or typed name: Cameron L. Manley

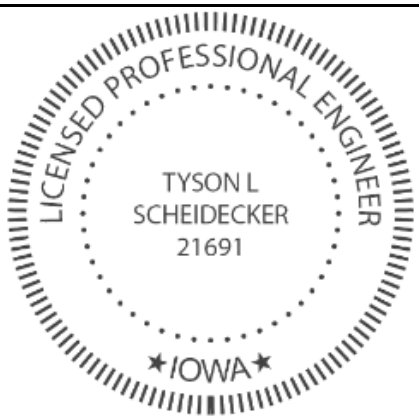
Cameron L Manley

01/10/2024

Signature **Date**

License Expires: 6-30-2025

Pages, Sheets, or Divisions covered by this Seal:
Divisions 02, 06, 07, 08, 09, and 10



I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Tyson Scheidecker

01/10/2024

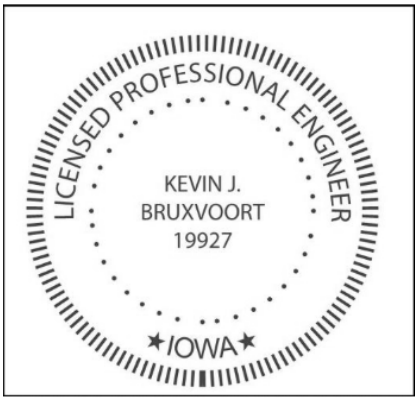
Signature **Date**

Printed or typed name: Tyson L. Scheidecker

License Number: 21691

My license renewal date is: 12-31-2024

Pages, Sheets, or Divisions covered by this Seal:
Divisions 21, 22, and 23



I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Kevin Bruxvoort

01/10/2024

Signature **Date**

Printed or typed name: Kevin J. Bruxvoort

License Number: 19927

My license renewal date is: 12-31-2023

Pages, Sheets, or Divisions covered by this Seal:
Divisions 26, 27, and 28

	I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa. 01/10/2024 **Signature** **Date** Printed or typed name: Kyle Lawson License Number: 26414 My license renewal date is: 12-31-2023 Pages, Sheets, or Divisions covered by this Seal: Divisions 31, 32, and 33

END OF SECTION

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Specification sections covered by the 2023 edition of the Iowa Statewide Urban Design and Specifications (SUDAS) excluding the measurement and payment sections. Local jurisdictional and utility provider requirements and specifications shall apply and take precedent. Additional supplemental specifications and information can be found on sheet 05-C001 – Construction Notes. The 2023 SUDAS manual can be found at the below link.

www.iowasudas.org/manuals/specifications-manual/

END OF SECTION

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I.	02-M100	BASEMENT MECHANICAL PIPING PLAN
J.	02-M101	MECHANICAL PLANS
K.	02-M300	THERMOSTAT ZONING PLAN
L.	02-M400	ENLARGED MECHANICAL PLANS & SECTIONS
M.	02-M500	MECHANICAL DETAILS
N.	02-M501	CONTROLS
O.	02-M502	CONTROLS
P.	02-M600	MECHANICAL SCHEDULES
Q.	02-ED200	BASEMENT LEVEL POWER DEMOLITION PLAN
R.	02-ED300	BASEMENT LEVEL SYSTEMS DEMOLITION PLAN
S.	02-ED301	FIRST, SECOND, AND THIRD FLOOR SYSTEMS DEMO PLAN
T.	02-E200	BASEMENT LEVEL SYSTEMS PLAN
U.	02-E201	FIRST FLOOR POWER PLAN
V.	02-E202	SECOND AND THIRD FLOOR POWER PLAN
W.	02-E300	BASEMENT LEVEL SYSTEMS PLAN
X.	02-E301	FIRST, SECOND, AND THIRD FLOOR SYSTEMS PLAN
Y.	05-C001	CONSTRUCTION NOTES
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JJ.	05-E301	FIRST FLOOR SYSTEMS PLAN
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SS.	10-MD101	FIRST FLOOR MECHANICAL PIPING DEMOLITION PLAN
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ZZ.	10-M500	MECHANICAL DETAILS
AAA.	10-M501	CONTROLS
BBB.	10-M502	CONTROLS
CCC.	10-M600	MECHANICAL SCHEDULES
DDD.	10-ED200	BASEMENT LEVEL POWER DEMOLITION PLAN
EEE.	10-ED201	FIRST FLOOR POWER DEMOLITION PLAN
FFF.	10-ED202	SECOND AND THIRD FLOOR POWER DEMOLITION PLAN
GGG.	10-ED300	BASEMENT LEVEL SYSTEMS DEMOLITION PLAN
HHH.	10-ED301	FIRST FLOOR SYSTEMS DEMO PLAN
III.	10-ED302	SECOND AND THIRD FLOOR SYSTEMS DEMOLITION PLAN
JJJ.	10-E200	BASEMENT LEVEL POWER PLAN
KKK.	10-E201	FIRST FLOOR POWER PLAN
LLL.	10-E202	SECOND FLOOR POWER PLAN
MMM.	10-E300	BASEMENT LEVEL SYSTEMS PLAN
NNN.	10-E301	FIRST FLOOR SYSTEMS PLAN
OOO.	10-E302	SECOND AND THIRD FLOOR SYSTEMS PLAN
PPP.	11-P100	BASEMENT PLUMBING PLANS
QQQ.	11-MD100	BASEMENT MECHANICAL PIPING DEMOLITION PLAN
RRR.	11-MD101	FIRST FLOOR MECHANICAL PIPING DEMOLITION PLAN
SSS.	11-M100	BASEMENT MECHANICAL PIPING PLAN
TTT.	11-M101	FIRST FLOOR MECHANICAL PIPING PLAN
UUU.	11-M500	MECHANICAL DETAILS
VVV.	11-M501	CONTROLS
WWW.	11-M600	MECHANICAL SCHEDULES
XXX.	11-ED300	BASEMENT LEVEL SYSTEMS DEMOLITION PLAN
YYY.	11-ED301	FIRST FLOOR SYSTEMS DEMOLITION PLAN
ZZZ.	11-E200	BASEMENT LEVEL POWER PLAN
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DDDD.	12-AD12	SECOND FLOOR REFLECTED CEILING DEMOLITION PLAN
EEEE.	12-A100	BASEMENT AND FIRST FLOOR PLANS
FFFF.	12-A111	FIRST FLOOR REFLECTED CEILING PLAN
GGGG.	12-A112	SECOND FLOOR REFLECTED CEILING PLAN
HHHH.	12-P100	BASEMENT PLUMBING PLANS
IIII.	12-MD100	BASEMENT MECHANICAL PIPING DEMOLITION PLANS
JJJJ.	12-MD101	FIRST FLOOR MECHANICAL PIPING DEMOLITION PLAN
KKKK.	12-MD102	SECOND AND THIRD FLOOR MECH. PIPING DEMO PLAN
LLLL.	12-M100	BASEMENT MECHANICAL PIPING PLAN
MMMM.	12-M101	FIRST FLOOR MECHANICAL PIPING PLAN
NNNN.	12-M102	SECOND AND THIRD FLOOR MECHANICAL PLAN
OOOO.	12-M300	THERMOSTAT ZONING PLAN
PPPP.	12-M400	ENLARGED MECHANICAL PLANS
QQQQ.	12-M401	ENLARGED AIR REBALANCING PLANS
RRRR.	12-M500	MECHANICAL DETAILS
SSSS.	12-M501	CONTROLS
TTTT.	12-M502	CONTROLS
UUUU.	12-M600	MECHANICAL SCHEDULES
VVVV.	12-ED200	BASEMENT LEVEL POWER DEMOLITION PLAN
WWWW.	12-ED201	FIRST FLOOR ELECTRICAL POWER DEMOLITION PLAN
XXXX.	12-ED202	SECOND AND THIRD FLOOR POWER DEMOLITION PLAN

YYYY.	12-ED300	BASEMENT LEVEL SYSTEMS DEMOLITION PLAN
ZZZZ.	12-ED301	FIRST FLOOR SYSTEMS DEMO PLAN
AAAAA.	12-ED302	SECOND AND THIRD FLOOR SYSTEMS DEMOLITION PLAN
BBBBB.	12-E200	BASEMENT LEVEL POWER PLAN
CCCCC.	12-E201	FIRST FLOOR POWER PLAN
DDDDD.	12-E202	SECOND AND THIRD FLOOR POWER PLAN
EEEEE.	12-E300	BASEMENT LEVEL SYSTEMS PLAN
FFFFF.	12-E301	FIRST FLOOR SYSTEMS PLAN
GGGGG.	12-E302	SECOND AND THIRD FLOOR SYSTEMS PLAN
HHHHH.	15-G001	MECHANICAL GENERAL INFORMATION
IIIII.	15-G002	ELECTRICAL GENERAL INFORMATION
JJJJJ.	15-MD101	MECHANICAL DEMOLITION PLANS
KKKKK.	15-M100	MECHANICAL PLANS
LLLLL.	15-M600	MECHANICAL SCHEDULES & DETAILS
MMMMM.	15-ED201	FIRST FLOOR AND MEZZANINE POWER DEMOLITION PLAN
NNNNN.	15-E201	FIRST FLOOR AND MEZZANINE POWER PLAN
OOOOO.	15-E600	ELECTRICAL SCHEDULES
PPPPP.	15-ED301	FIRST FLOOR SYSTEMS DEMOLITION PLAN
QQQQQ.	15-E301	FIRST FLOOR AND MEZZANINE LEVEL SYSTEMS PLAN

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BID SUBMITTAL CHECKLIST

PART 1 - **GENERAL**

1.01 **BID SUBMITTAL CHECKLIST**

A. The Bidder is responsible to see that the bid is submitted online at IMPACS Electronic Procurement System on or before the due date and time specified. Late bids shall not be accepted.
B. Bids shall be typewritten or in ink. All information requested shall accompany the bid. All blocks shall be completed. Errors shall be lined out and initialed.
C. The right is reserved to reject any or all bids. The State may waive minor deficiencies or informalities in the best interest of the State of Iowa.
D. A properly prepared and submitted bid document is the bidder's responsibility.
E. Bids cannot be changed after the bid opening.
F. In all cases, no verbal communications by any party will override written communications from the issuing office.
G. The Bid Form shall be completed in full and signed and submitted by an officer of the bidder with authority to bind in a contract.
H. If Bid Bond is called for, it shall accompany the Bid submission.
I. If Non-discrimination Clause information is called for, it shall accompany the Bid submission
J. If Targeted Small Business Pre-bid Contact information is called for, it shall accompany the Bid submission.
K. If Certificate of Site Visit form is called for, it shall accompany the Bid submission.
L. Bid shall be submitted on excel pricing spreadsheet included with bid documents. Bidder will need to attach that document for bid submission on the IMPACS Electronic Procurement System, and enter zero for bid amount on IMPACS.

PART 2 - **PRODUCTS – NOT USED**

PART 3 - **EXECUTION – NOT USED**

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SECTION 00 1113

NOTICE TO BIDDERS

RFB #927930-02

The Iowa Department of Administrative Services will be receiving bids for the following work at the Woodward Resource Center, located at 1251 334th Street, Woodward, Iowa 50276.

1. Bid Package #01-1: Abatement
2. Bid Package #09-1: General Construction
3. Bid Package #23-1: Mechanical Dispatch Garage Decentralization

The following Bid Packages have already been bid and are included in the set of documents for reference in preparation of bid for the above bid packages.

1. Bid Package #21-1: Fire Suppression for the Chapel
2. Bid Package #23-1: Mechanical Decentralization for the Elmcrest, Administration, Medical Center, and Food Service buildings.
3. Bid Package #26-1: Electrical Decentralization and Fire Alarm for the Elmcrest, Administration, Medical Center, and Food Service buildings and only replacing fire alarm at the Chapel and Dispatch Garage

The Iowa Department of Administrative Services anticipates construction to begin on March 11, 2024 and end on December 6, 2024.

Bids must be received no later than **2:00 pm, Thursday, February 8, 2024**. Late bids will not be considered. Bids shall be submitted on IMPACS Electronic Procurement System. The Bid shall be accompanied by a Bid Security as set forth in the Instructions to Bidders in the amount of 5% of the total bid amount. Each bid shall be accompanied by a bid bond, cashier's check or a certified check drawn upon a solvent bank chartered under the laws of the United States of America.

Bid Opening
The time and place of bid opening will be held at meet.google.com/yqe-hbde-zpw and teleconference number 352-474-2551 Pin: 783 722 236# at 3:00 pm on February 8, 2024.

The Iowa Department of Administrative Services reserves the right to reject any and all bids, and to waive irregularities and to accept a bid that is deemed in the best interest of the State of Iowa.

Bidders must comply with all affirmative action/equal employment opportunity provisions of the State of Iowa and the Federal Government.

This project is exempt from Iowa Sales Tax. Davis Bacon Wages **will not** apply to this project.

Questions must be submitted by 10:00 am, February 1, 2024, to the Issuing Officer.

Bidding documents may stipulate a specific product. Substitute product will be considered if a written request is received by 2:00 pm, February 1, 2024, prior to bid opening. Substitution requests will be considered for all products per Section 01 2500 Substitution Procedures, even if the specification does not include a statement such as "or equal," "equal to," "equivalent to," or "basis of design," unless otherwise noted.

An **optional** Pre-Bid meeting will be held on Thursday, January 25, 2024, at 10:30 am at Woodward Resource Center at 1251 334th Street, Woodward, Iowa 50276. This meeting is not mandatory but is highly recommended. Meeting will take place at the Campus Center/Chapel.

Bidding Documents, including drawing sheets bearing the project name WRC Decentralization Phase 3,

Fire Alarm Phase 2, and Chapel Sprinkler, Dated 1/11/24 and the Project Manual prepared by Shive-Hattery dated 1/11/24, may be obtained from Rapids Reproductions by visiting www.rapidsrepro.com or by calling (515) 251-3222 on Monday through Friday 8:00 am to 5:00 pm.

For further information regarding this project contact:
Michael Bradbury – Issuing Officer
Phone: (515) 823-9327
E-Mail: construction.procurement@iowa.gov

END OF SECTION

SECTION 00 2113

INSTRUCTIONS TO BIDDERS

RFB #927930-02

PART 1 - GENERAL

1.01 SECTION INCLUDES

A. Project Description
B. Owner
C. State Agency Representatives and Contacts
D. Proposal Form and Submissions
E. Taxes
F. Alternate Bids
G. Drawings
H. Bid Security
I. Due Date and Time for Receipt of Bids
J. Commencement and Completion Date
K. Site Visit
L. Pre-bid Meeting
M. Questions
N. Addenda and Interpretations of the Contract Documents
O. Substitutions
P. Obligation of Bidder
Q. Public Records and Requests for Confidential Treatment
R. Withdrawal of Bid
S. Bid Closing
T. Basis of Bids
U. Informalities/Rejection of Bids
V. Consideration of Bids
W. Preference
X. Qualifications
Y. Insurance
Z. Form of Agreement between Owner and Contractor
AA. Execution of Contract
BB. Laws and Regulations
CC. Contract Documents and Order of Precedence
DD. Conditions of the Work
EE. Subcontracts
FF. Project Manual/Drawings

1.02 PROJECT DESCRIPTION

A. The Iowa Department of Administrative Services will be receiving bids for the following work at the Woodward Resource Center, located at 1251 334th Street, Woodward, Iowa 50276.

1. Bid Package #02-1: Abatement
2. Bid Package #09-1: General Construction
3. Bid Package #23-1: Mechanical Dispatch Garage Decentralization

B. The following Bid Packages have already been bid and are included in the set of documents for reference in preparation of bid for the above bid packages.

1. Bid Package #21-1: Fire Suppression for the Chapel
2. Bid Package #23-1: Mechanical Decentralization for the Elmcrest, Administration, Medical Center, and Food Service buildings.
3. Bid Package #26-1: Electrical Decentralization and Fire Alarm for the Elmcrest, Administration, Medical Center, and Food Service buildings and only replacing fire alarm at the Chapel and Dispatch Garage

1.03 OWNER

A. State of Iowa, Department of Administrative Services, 109 SE 13th St, Des Moines, IA 50319

1.04 STATE AGENCY REPRESENTATIVES AND CONTACTS

A. PURCHASING AGENT: Michael Bradbury – Issuing Officer**,** State of Iowa, Department of Administrative Services**,** Hoover State Office Building, 3rd floor**,** 1305 East Walnut Street**,** Des Moines, IA 50319-0105, Phone: 515-823-9327; email: construction.procurement@iowa.gov

B. OWNER REPRESENTATIVE: Jennifer Kleene**,** State of Iowa, Department of Administrative Services, 109 SE 13th Street, Des Moines, IA 50319, Phone: 515-822-8197; email: jennifer.kleene@iowa.gov

C. ON-SITE COORDINATOR: Rodney Carr, Plant Operations Manager, 1251 334th Street, Woodward, Iowa 50276, Phone: 515-314-6643; email: rcarr@dhs.state.ia.us

D. CONSTRUCTION MANAGER CONTACT: Darren Milliken, Story Construction, 2810 Wakefield Circle, Ames, Iowa 50226, Phone: 515-291-5358; email: darren.milliken@storycon.com

E. DESIGN PROFESSIONAL CONTACT: Tyson Scheidecker, Shive-Hattery**,** 4125 Westown Parkway Suite 100, West Des Moines, Iowa 50266**,** Phone: 515-223-8104; email: tscheidecker@shive-hattery.com

F. COMMISSIONING AGENT CONTACT: Andrew Bennett, SystemWorks**,** 409 Fifth Street, West Des Moines, Iowa 50265**,** Phone: 515-975-8251; email: andrew.bennett@systemworksllc.com

PART 2 - PRODUCTS – NOT USED

PART 3 - EXECUTION

1.05 PROPOSAL FORM AND SUBMISSION

A. A properly prepared and submitted bid is the bidder's responsibility. Bids are to be made in accordance with these Instructions to Bidders and items included on the Bid submission. Failure to comply may be cause for rejection.
B. The Bid is to consist of the required Bid information, together with the other information specified below to be submitted with the Bid, in which copies are included with these Bidding Documents.
   1. The total bid package submitted is required to include the following:
      a. An online submission including:
         a) Required Bid Form (To be uploaded online)
         b) Required Non-discrimination Clause Information
         c) Required Targeted Small Business Pre-bid Contact Information
         d) Bid Security (documentation provided by Bidder) (To be uploaded online) (Required)
         e) Certification of Site Visit (To be uploaded online if Pre-Bid is Mandatory)

C. Include the amount for performing all work described in the drawings and specifications for Base Bid and for each Alternate Bid requested.
D. Acknowledge receipt of all Addenda issued, where so indicated on the Bid Form
E. All required information to be submitted, by an officer of the company having authority to bind the company in a contract.
F. Commencement of the work of the contract shall begin with the Contractor's receipt of a fully executed contract (signed by both parties).
G. The Owner reserves the right to award a contract for Base Bid only, or for Base Bid in combination with any, or all, identified Alternate Bids. The Owner reserves the right to award a contract for individual Bid Packages, or any combination of Bid Packages. Each Bidder must comply with all of the General Requirements of the project and any requirements of the Project manual that apply to their scope of work.
H. The company's Federal I.D. Number and the Iowa Contractors Registration Number shall be included in the Bid Form.
I. Unless indicated otherwise, the Bid shall be for a single responsibility contract for all work as indicated on the Drawings and specified in the Project Manual, and shall be a lump sum amount. If no change in the Base Bid amount is required with respect to consideration of a particular Alternate Bid, enter "No Change" in the blank for that Alternate Bid.
J. Where so requested, provide Unit Prices for the designated types of work and in the units specified, in which the Unit Prices would be used as adjustments to the quantities described in the instructions as the basis for the Base Bid and any Alternate Bid work. A Unit Price would be applicable in the event the Owner should request additional work of that type beyond the extent and quantity that has been established as the scope of the work by graphic delineation and notations on the Drawings, or by otherwise stipulating in the Bidding Documents a numerical quantity of the work, for the Bidder's use in determining the lump sum bid amount for the Base Bid and any requested Alternate Bid containing such work. The Unit Prices shall also be used to adjust the Contract Amount for actual quantities of work involved when the work subject to Unit Price adjustment differs by being less in quantity than that contemplated by the original scope of work for the respective Base Bid or Alternate Bid.
K. Completed State of Iowa Nondiscrimination Clause information and Subcontractor Targeted Small Business Enterprise Pre-Bid Contact Information, included in these Bidding Documents, are to accompany the Bid submission. Bidders shall comply with all affirmative action/equal opportunity provisions of State and Federal laws. The Owner seeks to provide opportunities for Targeted Small Businesses in accordance with the provisions of Chapter 73 of the Code of Iowa.
L. All Bid information is to be submitted online. Any required Bid Security shall be provided, in the form and amount specified elsewhere in these Instructions to Bidders, at the time of submission of the Bid. When a site visit is mandatory as specified elsewhere in these Instructions to Bidders, and a Certificate of Site Visit is required to be submitted with the Bid as evidence of such visit having occurred for purposes of observing the conditions of the site and the work proposed therein, the Certificate shall be uploaded with the bid submission.

1.06 TAXES

A. In accordance with Section 423 of the Code of Iowa and 701-19 of the Iowa Administrative Rules, Iowa Construction Sales Tax Exemption Certificates for this project will be issued. Do not include Iowa sales tax or use tax, or any local option sales tax, on construction materials in determining your bid prices. The successful Contractor will be required to notify the Department of Administrative Services project manager of all Subcontractors within forty-eight (48) hours after the published date and time by which bids must be submitted. Information on the Contractor and each Subcontractor shall include the firms' name, address, contact person, federal tax identification number, and the Iowa contractor registration number. For the Contractor and each Subcontractor, designate the type of trade or category of work that is to be provided on the project. The Construction Manager for the Department of Administrative Services must be informed when any Subcontractor is added to the project. Following receipt of the information, the Construction Manager for the Department of Administrative Services will arrange to have an authorization letter and certificate (please see sample, included in the Project Manual) issued on

behalf of the Contractor and each Subcontractor and will forward the documents to the Contractor for distribution and use by each in purchasing construction materials for this project. Certificates issued for this project shall be used for tax-exempt purchasing construction materials for this project only.

1.07 ALTERNATE BIDS

A. Bidders are to bid all Alternates requested on the Bid Form. Alternates quoted will be reviewed and accepted or rejected at the option of the Department of Administrative Services. Accepted Alternates will be identified in the Owner-Contractor agreement. Indicate the price for Alternates described, as shown on the Drawings and specified in the Project Manual, and identify in the correct location on the Bid Form.

1.08 DRAWINGS AND PROJECT MANUAL

A. Drawings and Project Manual are specified in the Notice to Bidders or any extension thereof made by Addendum.

1.09 BID SECURITY

A. Each Bid shall be accompanied by Bid Security.
B. The Bid Security shall be in the form of a Bid Bond, Certified check, or Cashier's check in an amount not less than five percent (5%) of the maximum value of the Bid, including any additive Alternates. NOTE: Checks other than Certified checks and Cashier's checks will not be accepted. Bonds shall be issued by a bonding company licensed to transact business in the State of Iowa. The Attorney in Fact who signs the Bond shall file with the Bond a certified and effectively dated copy of their Power of Attorney. The Bid Security shall be made payable to the Iowa Department of Administrative Services, and shall accompany the Bid. If a Bid Bond is not used, copies of Certified checks or Cashier's checks must be uploaded and hand delivered, in a sealed envelope, or mailed upon request. The Bid Security shall serve as a guarantee that a Bidder who is offered a contract will enter into an Agreement with the State of Iowa and will file an approved surety company's Performance Bond, Payment Bond and the Insurance Certificates as evidence of the required Insurance prior to execution of the contract. Upon failure to comply, the Bid Security shall be forfeited as liquidated damages. The governmental entity shall retain the bid security furnished by the successful bidder until the approved contract form has been fully executed, a bond has been filed by the bidder guaranteeing the performance of the contract, and the contract and bond have been approved by the governmental entity. The provisions of chapter 573, where applicable, apply to contracts awarded under this chapter. The governmental entity shall promptly return the checks or bidder's bonds of unsuccessful bidders to the bidders once the Notice of Intent to Award is issued.

1.010 DUE DATE AND TIME FOR RECEIPT OF BIDS

A. Properly completed Bids shall be submitted online through IMPACS Electronic Procurement System, no later than the time and date specified in the Notice to Bidder or any extension thereof made by Addendum. Written, emailed, oral or telephonic Bids are invalid, and will not receive consideration. The Bidder shall assume full responsibility for the timely online submission of the Bid. Late bids will not be accepted.

1.011 COMMENCEMENT AND COMPLETION DATES

A. Commencement of the Work of the Contract shall be the day of receipt by the selected Contractor of the fully-executed contract. Final completion of the Work of the contract shall be acknowledged as a part of the Contractor's proposal.

1.012 SITE VISIT

A. A site visit by the prospective bidder is highly recommended at the time of the Pre-Bid Meeting of this project.

1.013 PRE-BID MEETING

A. Pre-Bid Meeting will be specified in the Notice to Bidders or any extension thereof made by Addendum.

1.014 QUESTIONS

A. Questions on this project may be raised and discussed at the time of the Pre-Bid Meeting or by submitting in writing to the issuing officer as specified in the Notice to Bidders or any extension thereof made by Addendum.

1.015 ADDENDA AND INTERPRETATIONS OF THE CONTRACT DOCUMENTS

A. Any person contemplating submitting a proposal for the proposed Contract, who is in doubt as to the true meaning of any part of the Bidding Documents, shall submit a written request for an interpretation thereof. The person submitting a request will be responsible for its prompt delivery. Every request for such interpretation should reference the Bid Number specified in the Bidding Documents, and shall be made in writing (email preferred). Questions shall be submitted to the previously identified Purchasing Agent for the Department of Administrative Services. To be given consideration, requests shall be received as specified in the Notice to Bidders or any extension thereof made by Addendum. Replies, which revise or correct the Bidding Documents, or provide necessary clarifications, will be issued in the form of a written Addendum to the Bidding Documents. Interpretations, corrections or changes of the Bidding Documents made in any other manner will not be binding, and Bidders shall not rely upon such interpretations, corrections, or changes. The Bidder is to include any resultant cost changes in the Bid Sum. Addenda will be posted electronically at the respective bid site where the bid is initially posted. Acknowledgment by the Bidder of each issued Addendum shall be noted in the location so indicated on the Bid. All Addenda issued shall become part of the Contract Documents.

1.016 SUBSTITUTIONS

A. Where the Bidding Documents stipulate a specific product be provided by naming one or more manufacturer and model, a substitute product will be considered when a written request is received as specified in the Notice to Bidders or any extension thereof made by Addendum prior to bid opening. Substitution requests will be considered for all products per Section 01 2500 Substitution Procedures, even if the specification does not include a statement such as “or equal,” “equal to,” “equivalent to,” or “basis of design,” unless otherwise noted. Substitution requests shall be emailed to the Issuing Officer at the email address provided in Instructions to Bidders Section 1.04.

1.017 OBLIGATION OF BIDDER

A. It shall be the responsibility of each Bidder contemplating the submission of a Bid for the proposed Contract to fully acquaint himself/herself with conditions at the work site, project requirements, and to become acquainted thoroughly with the work, and all conditions that may be related to it. No considerations or revision in the contract price or scope of the project will be

considered by the Owner for any item that could have been revealed by a thorough on-site inspection and examination.

B. By submission of a Bid, it shall be understood that the Bidder assures that he/she has reviewed and is thoroughly familiar with the project requirements, contract conditions and supplementary conditions, the drawings, specifications, addenda, and that the bidder is aware of the conditions existing at the site that may relate to the work of this project. Failure of any Bidder to examine any form, document, or other instrument shall in no way relieve the Bidder from any obligation in respect to his/her Bid.

1.018 PUBLIC RECORDS AND REQUESTS FOR CONFIDENTIAL TREATMENT

A. The Agency's release of public records is governed by Iowa Code chapter 22. Contractors are encouraged to familiarize themselves with Chapter 22 before submitting a Proposal. The Agency will copy and produce public records upon request as required to comply with Chapter 22 and will treat all information submitted by a Contractor as non-confidential records unless Contractor requests specific parts of the Proposal be treated as confidential at the time of the submission as set forth herein AND the information is confidential under Iowa or other applicable law.

B. A Contractor requesting confidential treatment of specific information must: (1) fully complete Form 22 (Available at https://das.iowa.gov/sites/default/files/procurement/pdf/Form%2022-ConfidentialityRequest-RFB.pdf), (2) identify the request in the transmittal letter with the Contractor's Proposal, (3) conspicuously mark the outside of its Proposal as containing confidential information, (4) mark each page upon which confidential information appears, and (5) submit a "Public Copy" from which the confidential information has been excised.

C. Form 22 will not be considered fully complete unless, for each confidentiality request, the Contractor: (1) enumerates the specific grounds in Iowa Code chapter 22 or other applicable law that supports treatment of the material as confidential, (2) justifies why the material should be maintained in confidence, (3) explains why disclosure of the material would not be in the best interest of the public, and (4) sets forth the name, address, telephone, and e-mail for the person authorized by Contractor to respond to inquiries by the Agency concerning the confidential status of such material.

D. The Public Copy from which confidential information has been excised is in addition to the number of copies requested in Section 3 of this RFP. The confidential material must be excised in such a way as to allow the public to determine the general nature of the material removed and to retain as much of the Proposal as possible.

E. **Failure to request information be treated as confidential as specified herein shall relieve Agency and State personnel from any responsibility for maintaining the information in confidence. Contractors may not request confidential treatment with respect to pricing information and transmittal letters. A contractor's request for confidentiality that does not comply with this section or a contractor's request for confidentiality on information or material that cannot be held in confidence as set forth herein are grounds for rejecting contractor's Proposal as non-responsive. Requests to maintain an entire Proposal as confidential will be rejected as non-responsive.**

F. If Agency receives a request for information that Contractor has marked as confidential and if a judicial or administrative proceeding is initiated to compel the release of such material, Contractor shall, at its sole expense, appear in such action and defend its request for confidentiality. If Contractor fails to do so, Agency may release the information or material with or without providing advance notice to Contractor and with or without affording Contractor the opportunity to obtain an order restraining its release from a court possessing competent jurisdiction. Additionally, if Contractor fails to comply with the request process set forth herein, if Contractor's request for confidentiality is unreasonable, or if Contractor rescinds its request for confidential treatment,

Agency may release such information or material with or without providing advance notice to Contractor and with or without affording Contractor the opportunity to obtain an order restraining its release from a court possessing competent jurisdiction.

1.019 WITHDRAWAL OF BID

A. A Bid may be modified or withdrawn only before the time and date for receipt of Bids. Said request for modification or withdrawal of a bid must be completed online through IMPACS Electronic Procurement System. A Bid shall remain valid for consideration by the Owner for the following period(s) of time after the date specified for receipt of Bids, or until such time following that period that the apparent low bidder requests in writing that the Bid be withdrawn, after which the Bid may be withdrawn without forfeiture of any required Bid Security. The Bid shall be valid for not less than thirty (30) calendar days after the date Bids are specified to be due. With the approval of the Department of Administrative Services, a bid may be withdrawn after opening, but only if the bidder provides prompt written notification that adequately documents the commission of an honest error that may cause undue financial loss.

1.020 BID OPENING

A. All bids received on or before the due date and time specified in the Notice to Bidder or any extension thereof made by Addendum will be opened and the name of the Bidder and the amount of their Bid will be announced.

1.021 BASIS OF BIDS

A. The Bidder shall include all additional documents or appendices that are requested to be submitted concurrent with the Bid submission; failure to comply may be cause for rejection.
B. In accordance with Iowa law, Section 8A.311: A bidder, to be considered for an award of a state construction contract, shall disclose to the state agency awarding the contract the names of all subcontractors and suppliers who will work on the project being bid, within forty-eight (48) hours after the published date and time by which bids must be submitted. A bidder shall not replace a subcontractor or supplier disclosed without the approval of the state agency awarding the contract.
    1. A bidder, prior to an award or who is awarded a state construction contract, shall disclose all of the following, as applicable:
        a. If a subcontractor or supplier disclosed (under the preceding) by a bidder is replaced, the reason for replacement and the name of the new subcontractor or supplier;
        b. If the cost of work to be done by a subcontractor or supplier is changed or if the replacement of a subcontractor or supplier results in a change in the cost, the amount of the change in cost.
        c. Any reduction in subcontractor or supplier price as a result of the change, if the change is approved by the Owner, shall be deducted from the Trade Contract via a deductive Change Order. Any such changes, if approved by the Owner, which result in an increase in the Trade Contract Price shall be borne by the Trade Contractor.
C. The Bidder is specifically advised that any person, firm or other party to whom it is proposed to award a subcontract under this contract must:
    1. Be registered in the State of Iowa and have an Iowa Contractor's Registration number, and
    2. Be acceptable to the Owner.

1.022 INFORMALITIES/ REJECTION OF BIDS

A. The Iowa Department of Administrative Services reserves the right to waive any irregularities or informalities and to enter into a Contract with a Bidder, or to reject any or all bids as it deems to be in the best interest of the State, without penalty.

1.023 CONSIDERATION OF BIDS

A. It is the intent of the Department of Administrative Services to award a Contract to the lowest responsible Bidder, provided the Bid has been submitted in accordance with the requirements of the Bidding Documents and is determined to be compliant with all Bidding Requirements, and does not exceed the funds available for construction.
B. Bidder is to bid on each Alternate Bid requested. Failure to do so may result in disqualification of the bid. The Department of Administrative Services reserves the right to accept any, or no, Alternate Bid. Alternate Bids may be considered in any order or combination, and the low successful Bidder will be determined on the basis of the sum of the Base Bid and the Alternate(s) accepted at the time of the Contract award.

C. In evaluating Bids, any proposal offered by a Bidder for an alternate design, or for materials other than those shown or specified for the Base Bid or for Alternate Bid construction under the proposed Construction Documents or called for by any issued Addenda to those Construction Documents, will not be considered in determining the low successful Bidder. However, the Department of Administrative Services reserves the right to consider any such Bidder-proposed (Contractor's Alternate) alternate designs or materials with the low successful Bidder, after the low successful Bidder is determined in the manner described above (A and B).
D. Notice of Intent to Award the Bid(s) will be sent to all Respondents submitting a timely Bid and may be posted at the website shown on the RFB cover sheet. Negotiation and execution of the Contract(s) shall be completed no later than fifteen (15) days from the date of the Notice of Intent to Award or such other time as designated by Agency. If the successful Bidder fails to negotiate and deliver an executed Contract, including all required documents such as payment and performance bonds and insurance certificate, by that date, the Agency, in its sole discretion, may cancel the award and award the Contract to the remaining Bidder the Agency believes will provide the best value to the State.

1.024 PREFERENCE

A. By virtue of statutory authority, a preference shall be given to Iowa domestic labor, products produced and provisions grown within the state of Iowa, in accordance with the provisions of Chapter 73, Code of Iowa and any amendments thereto.
B. Enforcement of reciprocal resident bidder preference and resident labor force preference codified at Iowa Code Section 73A.21.
    1. NOTICE: Failure on the part of the bidder to carefully read the following paragraphs and to provide the information requested below may make the bidder's bid materially nonresponsive and therefore ineligible for contract award. Violations of Iowa Code Section 73A.2l may, among other things, result in civil penalties assessed by the Commissioner of the Division of Labor of Iowa Workforce Development. The bidder should seek out the advice of an attorney if he or she has questions about Iowa Code Section 73A.21. As a part of the competitive procurement of contracts for Public Improvements that must be awarded to the low bidder (if the bid is responsive and the bidder is deemed responsible), Public Bodies shall allow a preference to Resident Bidders if a Nonresident Bidder places a bid for the contract for the Public Improvement and that Nonresident Bidder's state or foreign country gives resident bidders of that state or foreign country a preference (including a labor force preference or any type of preferential treatment). The preference allowed, or reciprocally applied, shall be equal to the preference given or required by the state or foreign country in which the Nonresident Bidder is a resident bidder.
    "Public Body" means the State of Iowa (and its agencies) and any of its political subdivisions, including school districts, public utilities, and the state board of regents.
    "Public Improvement" means a building or other construction work to be paid for in whole or in part by the use of funds of the State of Iowa, its agencies, and any of its political subdivisions and includes road construction, reconstruction, and maintenance projects.

"Resident Bidder" means a person or entity authorized to transact business in of the State of Iowa and having a place of business for transacting business within the State of Iowa at which it is conducting and has conducted business for at least three years prior to the date of the first advertisement for the public improvement. Note, however, that if a nonresident bidder's state or foreign country has a more stringent definition of a resident bidder, the more stringent definition is applicable as to bidders from that state or foreign country. "Nonresident Bidder" means a person or entity who does not meet the definition of a resident bidder.

C. Nonresident bidders shall be required to certify on the Bid submission, where so indicated, the state or foreign country in which the firm is a resident, and if that state or foreign country uses a percentage for in-state bidders and the amount of the preference.

D. If it is determined that this may cause denial of federal funds which would otherwise be available, or would otherwise be inconsistent with requirements of federal law, this section shall be suspended, but only to the extent necessary to prevent denial of the funds or to eliminate the inconsistency with federal requirements.

1.025 QUALIFICATIONS

A. In accordance with Iowa Code 26.9(2) and 26.16, no potential bidder shall be required to provide confidential or proprietary information or meet any class requirements as a precondition to submitting a responsive bid. However, as noted in Iowa Code 26.9(2), the lowest responsive bidder may be required to provide additional information to verify responsibility prior to and as a condition of obtaining final award of the contract. Any qualification requirements contained in any bid document indicates only preferred qualifications, not a precondition to bid, and the lowest responsive bidder's qualifications will be evaluated individually based on all information provided.

B. The Owner may make such investigations as he or she deems necessary to determine the ability of the awarded Bidder to perform the required work, and the awarded Bidder shall furnish to the Owner all such information and data for this purpose. The Owner reserves the right to rescind any awarded Bid if the evidence submitted by, or in investigation of, such Bidder fails to satisfy the Owner that the Bidder is properly qualified to carry-out the obligations of the Contract and to complete the Work contemplated therein.

C. Bidders shall be registered as a Construction Contractor with the Labor Commissioner, Iowa Workforce Development Department, as required by Chapter 91C of the Code of Iowa. Bidder's Iowa Contractor Registration Number shall be included in the location provided in the Bid Form.

D. Non-resident corporations submitting bids must be in compliance with Section 490.1501 of the Code of Iowa and legally authorized thereby to carry-on such business in the State of Iowa as is required by the Contract Documents.

E. An out-of-state Bidder, if awarded a contract, will be required to submit evidence of authorization to do business in the State of Iowa.

1.026 INSURANCE

A. Insurance Requirements
   1. The Contractor shall maintain in effect, with insurance companies of recognized responsibility, at its expense, insurance covering its work of the type and in amounts required by this Contract. The Contractor's insurance shall, among other things, insure against any loss or damage resulting from the Contractor's performance of this Contract. All such insurance policies shall remain in full force and effect for the entire life of this Contract and shall not be canceled or changed except after thirty (30) days written notice to the Owner.
   2. **Amounts of Insurance Required – Refer to ConsensusDOCS 802 (see template in Project Manual)**

B. Certificates of Coverage
   1. Certificates of the insurance described above shall be submitted to the Owner before starting any construction activities and shall be subject to approval by the Owner. The Contractor shall provide certificates for the insurance required. The insurer shall state in the certificate

that no cancellation of the insurance will be made without at least thirty (30) days prior written notice to the Contractor. Upon receipt of any notice of cancellation or alteration, Contractor shall within ten (10) days procure other policies of insurance, similar in all respects to the policy or policies, about to be canceled or altered, and, if the Contractor fails to provide, procure, and deliver acceptable policies of insurance, or satisfactory evidence thereof, in accordance with the terms hereof then, at the Owner's option, Owner may obtain such insurance at the cost and expense of Contractor, without the need of any notice to Contractor.

C. No Limitation of Liability
   1. Acceptance of the insurance certificates by the Owner shall not act to relieve the Contractor of any obligation under this Contract. All insurance policies and certificates shall be issued only by companies authorized to transact business in the State of Iowa. It shall be the responsibility of the Contractor to keep the respective insurance policies and coverage's current and in force during the life of this agreement.
   2. A Sample Certificate of Insurance is attached for reference following this Section.

1.027 FORM OF AGREEMENT BETWEEN OWNER AND CONTRACTOR

A. The Agreement for the Work will be written on ConsensusDOCS 802 Form of Agreement between Owner and Contractor (sample of the document with modifications incorporated is bound in this Project Manual).

1.028 EXECUTION OF CONTRACT

A. Contract documents shall mean and include the following:
   1. Contract: ConsensusDOCS 802
   2. Performance and Payment Bonds
   3. Project Manual
   4. Drawings
   5. Numbered Addenda issued after initial publication of Bid Documents
   6. Numbered Modifications (Change Orders) issued after Contract is signed

1.029 LAWS AND REGULATIONS

A. The Bidder's attention is directed to the fact that all applicable laws and regulations of Federal and State agencies having jurisdiction over the construction of this project shall apply to any contract resulting from this proposal, and it shall be deemed that those rules and regulations are made a part of such contract the same as if set forth in their entirety therein. By submitting a Bid, the Bidder confirms that he/she is familiar with and understands the Contractor's responsibility under all Federal and State of Iowa laws and regulations with respect to the Work described by the proposed Contract Documents.

1.030 CONTRACT DOCUMENTS AND ORDER OF PRECEDENCE

A. Where an irreconcilable conflict exists among Applicable Legal Requirements, this Contract, the specifications in the Materials and the Drawings, the earliest item mentioned in this sentence involving a conflict shall control over any later mentioned item or items subject to such conflict unless doing so would result in reducing the Bidder's duty of care or obligations under this Contract, in which case the terms resulting in the highest requirements for Bidder performance shall control.

1.031 CONDITIONS OF THE WORK

A. Each bidder must fully inform him/herself of the conditions under which the work is to be performed at the site of the work, the obstacles which may be encountered, and all other relevant matters concerning the work to be performed. Failure to do so will not relieve a successful bidder of the obligation to furnish all material and labor necessary to carry out the provisions of the contract. When a site visit is required by provisions located elsewhere in these Instructions to Bidders, as a site tour in conjunction with a mandatory Pre-Bid Meeting, it shall be the Bidder's responsibility to fulfill this obligation as a condition of bidding the Work described in the Bidding Documents.

B. No allowance will be made for any additional compensation by reason of any matter or condition with which the bidder might have fully informed him/herself, but failed to do so prior to bidding. Insofar as possible, the Contractor and all subcontractors shall employ such methods or means in carrying out the work so as not to cause any interruption of, or interference with, the work of any other subcontractor or trade.

1.032 SUBCONTRACTS

A. The Prime Contractor shall be responsible for notifying all subcontractors and suppliers and informing them that they are bound in each case by all applicable provisions of the bidding information and those of the proposed Form of Agreements as defined in the Contract Documents.

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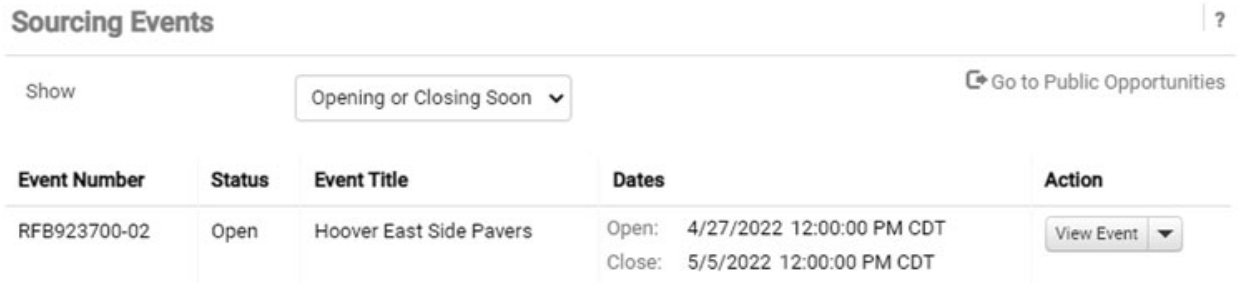
IMPACS Public Construction Bidders User Guide

Public construction bids must be submitted on-line at IMPACS Electronic Procurement System.

Bidders must be registered in IMPACS to submit a Bid.

To create an account, enter your email address and click on “Next” and click “Create Account”. Bidder must enter all fields noted with * including legal company name, contact first and last name, phone number, confirm email address, password, re-enter password, select account recovery question including answer, confirm answer, select box accepting websites use terms and conditions and select security check box “I’m not a robot”.

On the IMPACS Electronic Procurement System Customer Portal Home page, Bidder selects “View Event” in the Sourcing Events section.



Bidders can view event details including description, prerequisites, buyer attachments, questions and answers.

To submit a Bid, Bidder must select **“Yes, I intend to Bid”**. Bidder must complete the following sections.

Prerequisites - Bidder must complete all prerequisites.

- Bidder must upload a file of the Bid Security/Bond for 5% of total Bid Amount and certify that if they are awarded the construction contract they will enter into the contract at the Bid Amount submitted.

- Bidder must upload the completed and signed Bid Form.
  NOTE: Bids are to be entered on the Bid Form only; not in the IMPACS. As a result, IMPACS will display a bid amount of $0.

Questions - Bidder must complete all questions.

Review & Submit - Bidder must select the certification box certifying that the statements and information in response are true and correct to the best of their knowledge and belief.

SAMPLE

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): xx/xx/xxxx

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Agent's Name Agent's Address	CONTACT NAME: Agent's Information PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS:
INSURED Trade Contractor's Name Trade Contractor's Mailing Address	INSURER(S) AFFORDING COVERAGE — NAIC # INSURER A: Company A(AM Best Rated A/VI or Better) — Admitted Carriers INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS Minimum	
A *	COMMERCIAL GENERAL LIABILITY [ ] CLAIMS-MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [X] PRO-JECT [ ] LOC OTHER:	X	X	#TBD- CGL	3/1/17	3/1/18	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ $ $1,000,000 $2,000,000 $1,000,000
B	AUTOMOBILE LIABILITY [X] ANY AUTO [ ] ALL OWNED AUTOS [ ] SCHEDULED AUTOS [ ] HIRED AUTOS [ ] NON-OWNED AUTOS	X	X	#TBD-AL	3/1/17	3/1/18	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 amount varies based on paragraph 10.2.2 of the ConsensusDocs 802 contract
C	[ ] UMBRELLA LIAB [X] OCCUR [ ] EXCESS LIAB [ ] CLAIMS-MADE [ ] DED [ ] RETENTION $	X	X	#TBD-UMB	3/1/17	3/1/18	EACH OCCURRENCE AGGREGATE	$10,000,000 $
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N [ ] N/A If yes, describe under DESCRIPTION OF OPERATIONS below		X	#TBD-WC	3/1/17	3/1/18	[X] PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $500,000 $500,000 $500,000
E *	Owners Contrators Protective Liability			#TBD-OCP	3/1/17	3/1/18	*Limits equal to CGL (or) as required by owner (Note- Would be either CGL or OCP, not both)	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Additional Insured on a Primary & Non-Contributory basis (CGL;AL;UMB/Excess) in favor of : (Owner) Iowa Department of Administrative Services (DAS), Officers, Directors, Members, Consultants, Agents, and Employees.
Waiver of Subrogation (CGL;AL;WC/EL;UMB/Excess) in favor of: (Owner) Iowa Department of Administrative Services (DAS), Officers, Directors, Members, Consultants, Agents, and Employees.

Project XXXX.XX (Number varies by project)

CERTIFICATE HOLDER

Iowa Department of Administrative Services (DAS)
109 SE 13th Street
Des Moines, IA 50319

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Signature

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SECTION 00 3113

PRELIMINARY SCHEDULE

PART 1 - GENERAL

1.01 SECTION INCLUDES

A. Preliminary Construction Schedule
B. Schedule Durations

1.02 PRELIMINARY SCHEDULE

A. A preliminary schedule has been identified by the Owner for the implementation of the Project. Refer to the schedule following this Section for references to anticipated milestones and construction duration.
B. Each step of the Preliminary Schedule is subject to receipt of acceptable bids, Owner's decision process and date of commencement.
C. A proposed construction schedule shall be submitted by all Trade Contractors to the Construction Manager no later than 48 hours prior to the pre-construction meeting. A revised Construction Schedule will be submitted by the Construction Manager once all preliminary schedules are reviewed and approved by the Owner.
D. The final construction schedule will be established post award of bids with the cooperation of all contractors.

1.03 SCHEDULE DURATIONS

A. Anticipated Notice of Intent to Award – 2/9/2024
B. Anticipated Date of Commencement – 3/8/2024
C. Anticipated Completion of Elmcrest and Food Service – 5/24/2024
D. Anticipated Completion of Chapel Sprinkler and Fire Alarm – 8/2/2024
E. Anticipated Completion of Administration and Medical Center – 11/8/2024
F. Anticipated Completion of Dispatch Garage – 12/6/2024
G. Substantial Completion by – 12/6/2024

PART 2 - PRODUCTS – NOT USED

PART 3 - EXECUTION – NOT USED

END OF SECTION

WRC Decentralization Phase 3, Fire Alarm Phase 2						2/2/2024	2/16/2024	3/1/2024	3/15/2024	3/29/2024	4/12/2024	4/26/2024	5/10/2024	5/24/2024	6/7/2024	6/21/2024	7/5/2024	7/19/2024	8/2/2024	8/16/2024	8/30/2024	9/13/2024	9/27/2024	10/11/2024	10/25/2024	11/8/2024	11/22/2024	12/6/2024	12/20/2024	1/3/2025	
Elmcrest																														
Food Service																														
Administration																														
Medical Center																														
Chapel Sprinkler																														
Dispatch Garage																														

Abate
Demo
Install
Punch & Commissioning

SECTION 00 3126

HAZARDOUS MATERIAL REPORTS

1.01 EXISTING HAZARDOUS MATERIAL INFORMATION

A. This Document and its attachments are not part of the Contract Documents. They provide Owner's information for Bidders' convenience and are intended to supplement rather than serve in lieu of Bidders' own investigations. They are made available for Bidders' convenience and information, but are not a warranty of existing conditions.

B. The existing hazardous materials survey reports related to this Project, were prepared by:

1. ATLAS Survey Report for Hazardous Materials in Elmcrest building dated November 2, 2023 is available for viewing as attached to this Document.

2. ATLAS Survey Report for Hazardous Materials in Food Service building dated November 2, 2023 is available for viewing as attached to this Document.

3. ATLAS Survey Report for Hazardous Materials in Medical Center dated November 9, 2023 is available for viewing as attached to this Document.

4. ATLAS Survey Report for Hazardous Materials in Administration building dated November 9, 2023 is available for viewing as attached to this Document.

5. ATLAS Survey Report for Hazardous Materials in Chapel building dated November 9, 2023 is available for viewing as attached to this Document.

6. ATLAS Survey Report for Hazardous Materials in Dispatch Garage dated September 4, 2023 is available for viewing as attached to this Document.

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HAZARDOUS BUILDING MATERIALS SURVEY REPORT

PREPARED FOR:

Story Construction
2810 Wakefield Circle
Ames, Iowa 50010

PROJECT LOCATION:

Elmcrest Building
1251 334th Street
Woodward, Iowa 50276

Project Date: September 28-29, 2023

Report Date: November 2, 2023

Atlas Project ID: 204BS06333

Atlas Technical Consultants
4503 E 50th Street, Suite 800
Des Moines, IA 50317

November 2, 2023

Story Construction
Mr. Eli Ralston
Project Superintendent
2810 Wakefield Circle
Ames, Iowa 50010

Re: Hazardous Building Materials Survey Report
Elmcrest Building
1251 334th Street
Woodward, Iowa 50276
Atlas Project Number: 204BS06333

Atlas is pleased to submit the attached Hazardous Building Materials Survey Report for the above-referenced site. This report includes procedures, methodologies and analytical laboratory results.

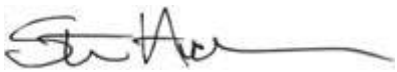
Atlas appreciates the opportunity to perform these services for the IDAS and Story Construction, and we look forward to working with you in the future. If you need any assistance with the implementation of the recommendations contained in this report, please feel free to give us a call at (515) 981-4528 and we will respond promptly to your needs.

Sincerely,

ATLAS TECHNICAL CONSULTANTS, LLC



Eric Brown
Iowa Inspector
(515) 981-4528



Steve Hudson, MS, CIH
Senior Project Manager
(402) 670-3842

T A B L E O F C O N T E N T S

LETTER OF TRANSMITTAL ..... **i**

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APPENDICES

APPENDIX A ASBESTOS TEST RESULTS

APPENDIX B LEAD PAINT TEST RESULTS

APPENDIX C ASBESTOS SAMPLE LOCATIONS

APPENDIX D INSPECTOR ACCREDITATIONS

APPENDIX E PHOTOGRAPHS

H A Z A R D O U S B U I L D I N G M A T E R I A L S S U R V E Y R E P O R T

Elmcrest Building
1251 334th Street
Woodward, Iowa 50276
Atlas Project Number: 204BS06333

1.0 SCOPE OF SERVICES

The purpose of this project was to perform a survey for hazardous building materials that may be impacted by planned renovation activities at the above-referenced property.

Atlas provided a representative hazardous materials survey in accordance with the referenced agreement and as outlined below:

1. Review any existing hazardous building material survey reports relating to the site, if available.
2. Identify suspect asbestos-containing materials (ACM), surface coatings potentially containing lead paint, and hazardous building materials within the planned renovation work areas.
3. Collect and analyze bulk samples of suspect asbestos containing materials and collect paint chip samples from representative surface coatings potentially containing lead-based or lead-containing paint.
4. Provide laboratory analysis of collected samples.
5. Provide a report of findings with copies and interpretation of analytical results and identifying the locations of asbestos-containing materials, lead paint, and hazardous building materials.

2.0 GENERAL SITE CONDITIONS

The survey was conducted at the Elmcrest Building located at 1251 334th Street in Woodward, Iowa. The survey area was limited to the areas to be disturbed as part of planned renovation activities.

3.0 ASBESTOS SURVEY

On September 28th and 29th, 2023, the site located at the Elmcrest Building at 1251 334th Street in Woodward, Iowa 50276 was inspected for asbestos-containing building materials by inspector Eric Brown of Atlas. Mr. Brown has completed the requisite training for asbestos accreditation as inspectors at a state approved training provider under TSCA Title II. Mr. Brown's State of Iowa Inspector number is 23-9474.

The planned renovation work areas were visually inspected for the presence of suspect asbestos-containing materials (ACM). Materials that were hidden, not accessible, or when sampled would damage the integrity of the structure, were not sampled as part of this survey. Materials visibly identified as non-asbestos (fibrous glass, foam rubber, wood, etc.) were not sampled. The asbestos survey consisted of three basic steps: **1)** a visual inspection of the proposed work areas; **2)** a determination of homogeneous areas with suspect surfacing, thermal system insulation, and miscellaneous materials; and **3)** sampling accessible, friable and non-friable, suspect materials.

3.1 Regulation Review

The U.S. EPA qualifies asbestos-containing materials (ACM) as materials with an asbestos content greater than 1%. The following definitions are taken from Section 61.141 of Subpart M, Part 61 of Title 40: Protection of Environment of the Code of Federal Regulations (CFR).

- "Category I non-friable asbestos-containing material (ACM)" is defined as asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than 1% asbestos as determined using the method specified in appendix E, subpart E, 40 CFR part 763, section 1, Polarized Light Microscopy (PLM).

- "Category II non-friable ACM" is defined as any material, excluding Category I non-friable ACM, containing more than 1% asbestos as determined using the methods specified in appendix E, subpart E, 40 CFR part 763, section 1, PLM that, when dry, ***cannot*** be crumbled, pulverized, or reduced to powder by hand pressure.

- "Friable asbestos material" is defined as any material containing more than 1% asbestos as determined using the methods specified in appendix E, subpart E, 40 CFR part 763, section 1, PLM that when dry, ***can*** be crumbled, pulverized, or reduced to powder by hand pressure. If the asbestos content is less than 10% as determined by a method other than point counting by PLM, verify the asbestos content by point counting using PLM.

3.2 Homogeneous Areas

Prior to sampling, homogeneous areas were identified in order to facilitate a sampling strategy. A homogeneous sampling area can be described as one or more areas with suspect material similar in appearance and texture that have the same installation date and function. The actual number of samples collected from each

homogeneous sampling area may vary, dependent upon material type and the professional judgment of the inspector.

3.3 Sampling Strategy

The sampling strategy incorporated AHERA requirements, quantities of suspect material, and the inspector's judgment to aid in the identification of suspect asbestos-containing materials. If the analytical results indicated that all the samples collected per homogeneous area did not contain asbestos, then the homogeneous area (material) was considered non-asbestos-containing. However, if the analytical results of one or more of the samples collected per homogeneous area indicated that asbestos was present in quantities greater than one percent asbestos (as defined by EPA), all of the homogeneous area (material) was treated as an asbestos-containing material regardless of any other analytical results. Materials which were visually determined to be non-asbestos (i.e. fibrous glass, foam rubber, etc.) by the accredited inspector were not required to be sampled. Actual collection of a bulk asbestos sample involves physically removing approximately one square inch (1 in^2) of material and placing it in an airtight sample container. Sample containers were marked with a unique identification number, which was documented in the field notes.

3.4 Suspect Asbestos-Containing Materials

The following table contains a list of the one hundred fourteen (114) identified suspect asbestos containing materials sampled:

TABLE 1A: SUSPECT ASBESTOS MATERIALS

MATERIAL	LOCATION	SAMPLE NUMBER
Window Glazing White	Exterior Basement	E 1
White Caulk	Exterior Basement	E 2
Brown Window Caulk	Exterior 1st Floor	E 3
Gray Caulk	Exterior 1st Floor	E 4
Brick Mortar	Exterior 1st Floor	E 5
Gray Caulk	Exterior 1st Floor	E 6
Gray Caulk	Exterior 1st Floor	E 7
Window Glazing Red	Exterior Basement	E 8
Window Glazing White	Exterior Basement	E 9
Window Glazing Red	Exterior Basement	E 10
Brown Window Caulk	Exterior 1st Floor	E 11
Gray Caulk	Exterior Ground Level	E 12

TABLE 1A: SUSPECT ASBESTOS MATERIALS		
MATERIAL	**LOCATION**	**SAMPLE NUMBER**
Gray Caulk	Exterior 3rd Floor	E 13
Brick Mortar	Exterior 3rd Floor	E 14
Plaster/Skim Coat	3rd Floor	E 15
Plaster/Skim Coat	3rd Floor	E 16
Vibration Damper	3rd Floor HVAC	E 17
Attic Insulation	3rd Floor	E 18
TSI 1½" Pipe	3rd Floor	E 19
Drywall Mud	3rd Floor	E 20
Drywall Mud	3rd Floor	E 21
Drywall	3rd Floor	E 22
6" Black Cove Base & Mastic	2nd Floor	E 23
Ceiling Tile	2nd Floor	E 24
Lt Brown Flooring	2nd Floor	E 25
Reddish Brown Flooring	2nd Floor	E 26
12"x12" VFT Brown	2nd Floor	E 27
VFT Mastic Black	2nd Floor	E 28
4" Black Cove Base & Mastic	2nd Floor	E 29
1" Floor Tile Grout	2nd Floor	E 30
Red Flooring	2nd Floor	E 31
Plaster/Skim Coat	2nd Floor	E 32
Red Flooring	2nd Floor	E 33
Red Flooring	2nd Floor	E 34
Plaster/Skim Coat	2nd Floor	E 35
Drywall Mud	2nd Floor	E 36
12"x12" VFT	2nd Floor	E 37
Textured Paint	2nd Floor	E 38
Drywall Mud	2nd Floor	E 39
Reddish Brown Flooring	2nd Floor	E 40
Lt Brown Flooring	2nd Floor	E 41
Drywall Mud	2nd Floor	E 42
Drywall Tape	2nd Floor	E 43

TABLE 1A: SUSPECT ASBESTOS MATERIALS		
MATERIAL	**LOCATION**	**SAMPLE NUMBER**
Plaster/Skim Coat	2nd Floor	E 44
White Caulk	2nd Floor	E 45
Plaster/Skim Coat	2nd Floor	E 46
Drywall	2nd Floor	E 47
Drywall (Green Backing)	2nd Floor	E 48
12”x12” VFT Black	1st Floor	E 49
Plaster/Skim Coat	1st Floor	E 50
Drywall Mud	1st Floor	E 51
12”x12” VFT Gray	1st Floor	E 52
12”x12” VFT Faux Stone	1st Floor	E 53
Blue Flooring	1st Floor	E 54
Faux Wood Flooring	1st Floor	E 55
Reddish Brown Flooring	1st Floor	E 56
Blue Flooring	1st Floor	E 57
Lt Brown Flooring	1st Floor	E 58
Drywall Mud	1st Floor	E 59
Window Glazing	1st Floor	E 60
TSI 1”	1st Floor	E 61
Ceiling Tile	1st Floor	E 62
Concrete	1st Floor	E 63
12”x12” VFT Faux Wood	1st Floor	E 64
Drywall Mud	1st Floor	E 65
Faux Wood Flooring	1st Floor	E 66
Felt Paper	1st Floor	E 67
Plaster	1st Floor	E 68
Drywall Tape	1st Floor	E 69
1”x1” Floor Tile Grout Gray	1st Floor	E 70
Terrazzo White	1st Floor	E 71
12”x12” VFT Brown & Mastic Black	1st Floor	E 72
Paint Texture	1st Floor	E 73
Paint Texture	1st Floor	E 74

TABLE 1A: SUSPECT ASBESTOS MATERIALS		
MATERIAL	**LOCATION**	**SAMPLE NUMBER**
Drywall	1st Floor	E 75
1'x1' Ceiling Tile	1st Floor	E 76
Ceiling Tile Brown Pucks	1st Floor	E 77
TSI 1½" Pipe	1st Floor	E 78
TSI 1" Pipe	1st Floor	E 79
TSI 1" Pipe	Basement	E 80
Drywall Tape	Basement	E 81
Drywall Mud	Basement	E 82
Drywall	Basement	E 83
Transite Panel	Basement	E 84
Drywall Mud	Basement	E 85
Drywall Mud	Basement	E 86
Plaster	Basement	E 87
White Caulk	Basement	E 88
Gray Caulk	Basement	E 89
Black Caulk	Basement	E 90
Duct Wrap	Basement	E 91
Vibration Damper	Basement	E 92
TSI Run Med	Basement	E 93
TSI Elbow Med	Basement	E 94
TSI Elbow Sealant	Basement	E 95
TSI Elbow Sealant	Basement	E 96
TSI Elbow Sealant	Basement	E 97
TSI Elbow Lg	Basement	E 98
TSI Run Lg	Basement	E 99
TSI Elbow Lg	Basement	E 100
TSI Run Lg	Basement	E 101
TSI Elbow Sm	Basement	E 102
TSI Run Sm	Basement	E 103
TSI Elbow Med	Basement	E 104
TSI Run Med	Basement	E 105

TABLE 1A: SUSPECT ASBESTOS MATERIALS		
MATERIAL	**LOCATION**	**SAMPLE NUMBER**
TSI Elbow Lg	Basement	E 106
TSI Run Lg	Basement	E 107
TSI Elbow Med	Basement	E 108
TSI Run Med	Basement	E 109
TSI Elbow Sm	Basement	E 110
TSI Run Sm	Basement	E 111
TSI Elbow Sm	Basement	E 112
TSI Run Sm	Basement	E 113
4” Brown Cove Base	Basement	E 114

The following table is a summary of the suspect asbestos-containing materials that have been determined, through laboratory analysis, to contain asbestos:

TABLE 2: IDENTIFIED ASBESTOS-CONTAINING MATERIALS				
MATERIAL	**LOCATION**	**SAMPLE NUMBER**	**APPROX. QUANTITY**	**ASBESTOS CONTENT**
Window Glazing	Exterior Basement Windows	E 1	21 Windows	3% Chrysotile
Gray Caulk	Exterior 1st Floor W Wing N Side W Bricked Up Window	E 4	150 LF	4% Chrysotile
Red Window Glazing	Exterior Basement Windows	E 8	5 Windows	2% Chrysotile
White Window Glazing	Exterior Basement Windows	E 9	21 Windows	4% Chrysotile
VFT Mastic Black & Tan Backing	2nd Floor Janitor Closet	E 28	60 SQFT	3% & 25% Chrysotile
Mastic Black/Yellow	2nd Floor E Hallway Under Red Flooring	E 31	6,000 SQFT	<1% Chrysotile
Mastic Black/Yellow	2nd Floor N Center Room Under Red Flooring	E 33		<1% Chrysotile
Gray Backing Under Lt Brown Flooring	2nd Floor W Stairs Under Lt Brown Flooring	E 41	1,500 SQFT	20% Chrysotile
Gray Backing Under Blue Flooring	1st Floor Under Blue Flooring	E 54	5,000 SQFT	15% Chrysotile
Mastic Yellow/Brown & Gray Backing	1st Floor Under Lt Brown Flooring	E 58	1,500 SQFT	<1% & 25% Chrysotile
Black Mastic	1st Floor Janitor Closet Under 12”x12” Brown VFT	E 72	60 SQFT	4% Chrysotile

TABLE 2: IDENTIFIED ASBESTOS-CONTAINING MATERIALS				
MATERIAL	**LOCATION**	**SAMPLE NUMBER**	**APPROX. QUANTITY**	**ASBESTOS CONTENT**
Ceiling tile brown Pucks	1st Floor, North Wing	E 77	1,600 SQFT	4% Chrysotile
Transite Panel	Basement E Mechanical Room	E 84	1 Panel	20% Chrysotile
TSI Run Med	Basement E Wing E End of Hall	E 93	100 LF	15% Amosite 20% Crocidolite
TSI Elbow Med	Basement E Wing E End of Hall	E 94	4 Elbows	25% Chrysotile
Caulk White	Basement E Mechanical Room	E 96	5 SQFT	3% Chrysotile
TSI Elbow Sm	Basement Room B29	E 102	5 Elbows	15% Amosite 20% Chrysotile
TSI Run Sm	Basement Room B29	E 103	70 LF	10% Amosite 10% Chrysotile
TSI Elbow Med	Basement Room B29	E 104	5 Elbows	85% Chrysotile
TSI Run Med	Basement Room B29	E 105	70 LF	35% Amosite 15% Crocidolite
TSI Elbow Med Insulation & Texture	Basement N Wing N Room	E 108	10 Elbows	55% & 2% Chrysotile
TSI Run Med	Basement N Wing N Room	E 109	150 LF	30% Amosite 15% Crocidolite
TSI Elbow Sm Insulation & Texture	Basement N Wing N Room	E 110	10 Elbows	60% Chrysotile
TSI Run Sm	Basement N Wing N Room	E 111	150 LF	5% Amosite 35% Crocidolite
TSI Elbow Sm Insulation & Texture	Basement W Wing	E 112	14 Elbows	15% Amosite 25% Chrysotile 30% Crocidolite & 2% Amosite 4% Crocidolite
TSI Run Sm	Basement W Wing	E 113	160 LF	15% Amosite 30% Crocidolite

SQFT = Square Feet, LF = Linear Feet MF = Mechanical Fittings

NOTE: TSI throughout basement should be considered ACM

3.5 Laboratory Analytical Results

Bulk samples were analyzed by EMSL Analytical, Inc. located at 200 Route 130 North, Cinnaminson, NJ. Polarized Light Microscope analysis, utilizing dispersion staining techniques (ref.: EPA Method 600/M4-82-020), was performed to determine the asbestos content of the bulk samples collected at the site. This laboratory is currently a proficient participant in the American Industrial Hygiene Association (AIHA) Bulk Asbestos Proficiency Analytical Testing Program; a quality

assurance program for polarized light microscopy analysis. Any material that contains greater than one percent asbestos is considered an ACM and must be handled according to Occupational Safety and Health Administration (OSHA), EPA, and all applicable state and local regulations.

Laboratory test results are provided in Appendix A.

4.0 LEAD PAINT SURVEY

On September 28th & 29th, 2022 the Elmcrest Building was inspected for lead paint by Eric Brown of Atlas. The purpose of the survey was to identify locations and concentrations of lead in paints and coatings on interior building components that may be disturbed as part of planned renovation activities.

4.1 Inspection

The lead survey was performed in general accordance with the U.S. Housing and Urban Development Chapter 7 of the *Guidelines for the evaluation and Control of Lead-Based Paint Hazards in Housing* (1997 Revision). Survey criteria included the inspection and sampling of the representative painted surfaces on the interior of the building.

Regulatory limits from the Housing and Urban Development (HUD) and the Environmental Protection Agency (EPA) establishes that lead-based paint (LBP) by definition is paint that contains more than 0.5% of lead in paint. OSHA's "Lead in Construction Standard" (29 CFR 1926.1101) addresses any concentration of lead in paint ("lead-containing paint").

Prior to demolition or renovation activities, all contractors involved should be notified regarding the presence of painted components under the guidelines of the OSHA Lead in Construction standard 29 CFR 1926.62. Care should be exercised in acknowledging that the OSHA 29 CFR 1926.62 has no LBP threshold definition and is concerned with exposures generated by LBP disturbances, which may include materials containing less than 0.5% lead by weight. The OSHA regulations are based strictly on airborne lead concentrations; therefore, the measured lead concentration of the paint and the method of paint disturbance will both factor into the potential airborne hazard.

OSHA requires the contractor to inform its employees of potential lead hazards, based upon the work being performed. The purpose of OSHA's Lead Construction Standard is to reduce the exposure to lead for all construction workers. It is for this reason that Atlas recommends contractors be informed of the presence of lead. OSHA's standard includes an 8-hour time weighted average (TWA) of 50 micrograms of lead per cubic meter of air (mg/m^3) and an action level (regardless of respirator use) of 30 mg/m^3.

Prior to disposal of debris that contains materials that have been found to contain lead, conduct a Toxicity Characteristic Leaching Procedures (TCLP) on representative solid wastes. This will determine if the debris requires a hazardous waste disposal site. A TCLP was not collected as part of this current inspection.

4.2 Lead Paint Testing

A total of thirty-eight (38) surface coatings were tested to determine the concentration of lead. The sampling generally involved the collection of the paint on the surface down to the substrate over an area of approximately 2 to 3 square inches. A summary of the tested paints is provided in the table below. In order for a surface coating to be considered a lead-based paint, the paint must contain lead in concentrations greater than 0.5% by weight. A detectable concentration of lead in the surface coating below 0.5% by weight is considered a lead-containing paint. The full copy of the lead analytical results is included in Appendix A.

Lead Paint Sampling Summary				
Sample ID	**Sample Location**	**Representative Material**	**Paint Color**	**Lead Content %**
PC E 1	Basement W Hallway	Wall	White	0.48%
PC E 2	Basement Center E Stairway	Wall	Dull Green	0.15 %
PC E 3	Basement E Hallway	Wall	Dull Pale Yellowish White	0.027 %
PC E 4	**Basement Floor**	**Floor**	**Yellow**	**18 %**
PC E 5	1st Floor Room 105	Wall	Lt Gray	<0.0080 %
PC E 6	1st Floor Room 105	Wall	Dk Gray	<0.0080 %
PC E 7	1st Floor Hallway Pillars	Wall	White over Yellow	0.0085 %
PC E 8	1st Floor Hallway	Wall	Lt Gray over Yellow	0.012 %
PC E 9	1st Floor Janitor Closet 104	Wall	Dull Yellow	<0.0080 %
PC E 10	1st Floor Room 113	Wall	Brown	<0.0080 %
PC E 11	1st Floor Room 110	Wall	Orange-Brown	<0.0080 %
PC E 12	1st Floor N Center Room	Wall	Green	<0.0080 %
PC E 13	1st Floor S Center Room	Wall	Dk Green	<0.0080 %
PC E 14	1st Floor Center Room	Wall	Dk Blue/Green	<0.0080 %
PC E 15	1st Floor Center Room	Wall	Brown/Beige	<0.0080 %
PC E 16	1st Floor Center Room	Wall	Dk Salmon	<0.0080 %
PC E 17	1st Floor Center Room	Wall	Dk Green	<0.0080 %
PC E 18	1st Floor	Fireplace	Dk Blue over Lt Salmon over Lt Green	<0.0080 %
PC E 19	1st Floor Center Room	Wall	Sky Blue	<0.0080 %
PC E 20	1st Floor Room 121	Wall	Blue	<0.0080 %
PC E 21	1st Floor Center Room	Wall	Turquoise	<0.0080 %
PC E 22	1st Floor Center Room	Wall	Black	<0.0080 %
PC E 23	1st Floor Center Room	Wall	Lavender	<0.0080 %
PC E 24	1st Floor Room 134	Wall	Blue	<0.0080 %
PC E 25	1st Floor Center Room	Wall	Olive Green	<0.0080 %
PC E 26	2nd Floor Hallway	Wall	Lt Brown	<0.0080 %
PC E 27	2nd Floor Room 234	Wall	Lt Blue	<0.0080 %

Lead Paint Sampling Summary				
Sample ID	**Sample Location**	**Representative Material**	**Paint Color**	**Lead Content %**
PC E 28	2nd Floor Room 236	Wall	Lavender over Black	0.059 %
PC E 29	2nd Floor	Wall	Pink	<0.0080 %
PC E 30	2nd Floor E Center Stairway	Post	Brown	0.11 %
PC E 31	2nd Floor E Center Stairway	**Wall**	**White over Green**	**1.7 %**
PC E 32	2nd Floor Room 219	Radiator	Silver	0.22 %
PC E 33	2nd Floor Room 227	Wall	Blue over White	<0.0080 %
PC E 34	**3rd Floor**	**Floor**	**Red**	**0.79 %**
PC E 35	3rd Floor Hallway	Radiator	Lt Green	0.36 %
PC E 36	**3rd Floor Room 308**	**Wall**	**Lt Green**	**16 %**
PC E 37	**3rd Floor Exterior**	**Eaves**	**White**	**28 %**
PC E 38	1st Floor SE Stairs Room 245	Wall	Orange	<0.0080 %

- Test results identified the presence of lead-based paint in the yellow paint on the basement floor, the white paint on the center stairway walls on 2nd floor, the red paint on the 3rd floor, the light green paint on the walls on 3rd floor, and the white paint on the eaves on the exterior.

- Lead-containing paint was identified in the white paint in the west basement hallway, the dull green paint in the basement center stairway, the dull pale yellowish white paint in the east basement hallway, the white paint on the 1st floor hallway pillars, the light gray paint on the 1st floor hallway, the lavender paint on 2nd floor in room 236, the brown paint on 2nd floor center stairway posts, the silver paint on 2nd floor on the radiators, and the light green paint on the 3rd floor radiator.

This evaluation report can help the Owner develop a plan for renovating the building by having concentrations of lead in the paint identified. It is our understanding that the information in this report will be provided to the contractors so that appropriate precautions can be made to minimize worker exposure to lead. If surface coatings with lead containing paint are handled improperly, exposure could occur to workers and future occupants of the facility.

5.0 HAZARDOUS MATERIALS ASSESSMENT

Atlas completed a visual inspection of rooms / areas throughout the intended work areas in an attempt to identify hazardous wastes or universal wastes that may be impacted by planned renovation activities. The survey included a visual inspection of: light fixtures and other equipment for the presence of Polychlorinated Biphenyls (PCBs); light bulbs, thermostats, switches, and other equipment for the presence of mercury; refrigerants, batteries, and devices with potential radioactive materials.

TABLE 1. HAZARDOUS BUILDING MATERIALS		
Category	**Material**	**Estimated Quantity**
Poly-Chlorinated Biphenyl (PCBs)	Transformers	N/A
	Transistors	N/A
	Light Ballasts	N/A
Mercury	Thermostats	N/A
	Switches/Relays	N/A
	Fluorescent Light Tubes	533 bulbs
	High Intensity Discharge lights	N/A
	Thermometers/ Manometers	N/A
Batteries	Smoke Detectors	142 (electronic)
	Emergency Lighting Systems	N/A
	Exit Signs	34
	Flashing Fire Alarms	54
Chlorofluorocarbons (CFCs) or Hydro Chlorofluorocarbons (HCFCs)	Refrigerators/Freezers/Chillers	N/A
Low Level Radioactive Sources (LLR)	Smoke/Fire Alarms	N/A

Hazardous materials or universal wastes identified in Table 1 shall be removed as part of the renovation contractor's scope of work and disposed of according to US EPA Toxic Substances Control Act (TSCA) and the State of Iowa regulations.

6.0 CONCLUSIONS

The following conclusions and recommendations are summarized as follows:

- Asbestos was identified in the Window Glazing and Gray Caulk on the exterior, the Black VFT Mastic in the janitor closets, the Black/Yellow Mastic under the red flooring on 2nd floor, the Gray Backing under the Light Brown Flooring on 2nd floor, the gray backing under the Blue Flooring on 1st floor, the Yellow/Black Mastic and the Gray Backing under the Light Brown Flooring on 1st floor, the Brown Pucks on the ceiling on 1st Floor, the Transite Panel and White Caulking in the basement east mechanical room, the TSI

Elbows and Runs on the small and medium sized pipes in the basement.

- Lead based paint was detected in the Yellow Paint on the basement floor, the White Paint on the walls of 2nd floor stairway, the Red Paint on the floor of 3rd floor, the Light Green Paint on the walls of 3rd floor, and the White Paint on the exterior of 3rd floor.
- Lead Containing Paint was detected in the White, Dull Green, and Dull Pale Yellowish White Paints on the walls in the basement, the White and Light Gray Paints on the pillars and walls of 1st floor, the Lavender Paint in Room 236, the Brown Paint on the 2nd floor stairway posts, the Silver Paint on the 2nd floor radiators, and the Light Green Paint on the 3rd floor radiators.

7.0 ASSUMPTIONS AND LIMITATIONS

The results, findings, conclusions, and recommendations expressed in this report are based solely on conditions noted during the September 28th and 29th, 2023, Atlas hazardous building materials survey of the Elmcrest Building at 1251 334th Street in Woodward, Iowa.

Atlas did not perform destructive sampling -- it was not within Atlas's scope of work to remove surface materials to investigate portions of the structure or materials that may lay beneath the surface -- thus, any materials that could not be visually identified on the surface were not inspected and would not be noted in this report. Atlas's selection of sample locations and frequency of sampling was based on the inspector's assumption that like materials in the same area are homogeneous in content.

The report is designed to aid the building owner, architect, construction manager, general contractor, and potential abatement contractor in locating hazardous building materials. Under no circumstances is the report to be utilized as a bidding document or as a project specification document since it does not have all the components required to serve as a Project Design document or an Abatement Work plan.

Our professional services have been performed, our findings obtained, and our conclusions and recommendations prepared in accordance with customary principles and practices in the fields of environmental science and engineering. This statement is in lieu of other statements either expressed or implied. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.

This report is intended for the sole use of the IDAS and Story Construction. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document or the findings, conclusions, or recommendations is at the risk of said user.

APPENDIX A

ASBESTOS TEST RESULTS

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Received Date: 10/02/2023 10:35 AM
Analysis Date: 10/09/2023 - 10/10/2023
Collected Date: 09/28/2023 - 09/29/2023

Project: Woodward / Elmcrest / 204BS06333

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
E1 *042323731-0001*	B - N. Wing - W. Side - Basement Window - Window Glazing White	Tan/White Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
E2 *042323731-0002*	B - W. Wing - N. Side - Basement Window - White Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E3 *042323731-0003*	F1 - W. Wing - W. Side - N. Window - Brown Window Caulk	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E4 *042323731-0004*	F1 - W. Wing - N. Side - W. Bricked-up Window - Gray Caulk	Gray Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
E5 *042323731-0005*	F1 - W. Wing - NW Corner - Brick Mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E6 *042323731-0006*	F1 - W. Wing - NW Door - Gray Caulk	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E7 *042323731-0007*	F1 - W. Wing - W. Side - Ground Level - Gray Caulk	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E8 *042323731-0008*	B - E. Wing - S. Side - 2nd Window from W. (Basement) - Red Window Glazing	Red Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
E9 *042323731-0009*	B - E. Wing - N. Side - White Window Glazing	Gray/White Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
E10 *042323731-0010*	B - E. Wing - N. Side - Red Window Glazing	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E11 *042323731-0011* *Result includes a small amount of inseparable attached material*	F1 - E. Wing - N. Side - Brown Window Caulk	Brown/Gray Non-Fibrous Heterogeneous	3% Glass	97% Non-fibrous (Other)	None Detected
E12 *042323731-0012*	F1 - N. Wing - E. Side - Ground Level - Gray Caulk	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E13 *042323731-0013* *Result includes a small amount of inseparable attached material*	F3 - Exterior - S. Side under E. Vent - Gray Caulk	Gray/Black Non-Fibrous Heterogeneous	8% Cellulose	92% Non-fibrous (Other)	None Detected
E14 *042323731-0014*	F3 - Exterior - S. Side under E. Vent - Brick Mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E15-Plaster *042323731-0015*	F3 - NW Room - Plaster	Gray Fibrous Homogeneous	3% Hair	97% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
E15-Skim Coat *042323731-0015A*	F3 - NW Room - Skim Coat	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E16-Plaster *042323731-0016*	F3 - SE Room - Plaster	Gray Fibrous Homogeneous	2% Hair	98% Non-fibrous (Other)	None Detected
E16-Skim Cost *042323731-0016A* *Inseparable paint / coating layer included in analysis*	F3 - SE Room - Skim Coat	Tan/Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E17 *042323731-0017*	F3 - E. HVAC Room - Vibration Damper	Brown/Black Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (Other)	None Detected
E18-Insulation *042323731-0018*	F3 - E. HVAC Room - Attic Insulation	Yellow Fibrous Homogeneous	95% Glass	5% Non-fibrous (Other)	None Detected
E18-Wrap *042323731-0018A*	F3 - E. HVAC Room - Attic Wrap	White/Silver/Yellow Fibrous Homogeneous	65% Cellulose 10% Glass	25% Non-fibrous (Other)	None Detected
E19 *042323731-0019* *Result includes a small amount of inseparable attached material*	F3 - SE Room - TSI 1.5"	Brown/Black Fibrous Heterogeneous	65% Cellulose 10% Glass	25% Non-fibrous (Other)	None Detected
E20 *042323731-0020*	F3 - NE Room - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E21 *042323731-0021*	F3 - NW Room - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E23-Cove Base *042323731-0022*	F2 - E Room (246) - 6" Black Cove Base	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E23-Mastic *042323731-0022A*	F2 - E Room (246) - Brown Mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E25-Flooring *042323731-0023*	F2 - E Room (246) - Lt. Brown Flooring	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E25-Mastic *042323731-0023A*	F2 - E Room (246) - Tan Mastic	Brown/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E26-Flooring *042323731-0024*	F2 - E Hall (238) - Reddish Brrown Flooring	Brown/Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E26-Mastic *042323731-0024A*	F2 - E Hall (238) - Mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E27 *042323731-0025*	F2 - Janitor Room (242) - 12"x12" VFT Brown	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E28-Mastic *042323731-0026* *Result includes a small amount of inseparable attached material*	F2 - Janitor Closet (242) - Black VFT Mastic	White/Black Non-Fibrous Heterogeneous		97% Non-fibrous (Other)	3% Chrysotile
E28-Mastic 2 *042323731-0026A*	F2 - Janitor Closet (242) - Mastic	Yellow/Beige Fibrous Heterogeneous		100% Non-fibrous (Other)	<1% Chrysotile

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Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
Result includes a small amount of inseparable attached material					
E28-Backing *042323731-0026B*	F2 - Janitor Closet (242) - Backing	Tan Fibrous Homogeneous	35% Cellulose	40% Non-fibrous (Other)	25% Chrysotile
E24 *042323731-0027*	F2 - East Room (246) - Ceiling Tile	Gray/White Fibrous Homogeneous	45% Cellulose 35% Min. Wool	20% Non-fibrous (Other)	None Detected
E29-Cove Base *042323731-0028*	F2 - Janitor Closet (242) - 4" Black Cove Base	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E29-Mastic *042323731-0028A*	F2 - Janitor Closet (242) - Brown Mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E30 *042323731-0029*	F2 - Restroom (237) - 1" Floor Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E31-Flooring *042323731-0030*	F2 - E. Hallway (232) - Red Flooring	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E31-Mastic *042323731-0030A*	F2 - E. Hallway (232) - Mastic	Black/Yellow Non-Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (Other)	<1% Chrysotile
Result includes a small amount of inseparable attached material					
E32-Plaster *042323731-0031*	F2 - E. Room (246) - W. Wall - Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E32-Skim *042323731-0031A*	F2 - E. Room (246) - W. Wall - Skim Coat	Tan/White Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
E33-Flooring *042323731-0032*	F2 - N. Center Room (221) - Red Flooring	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E33-Mastic *042323731-0032A*	F2 - N. Center Room (221) - Mastic	Black/Yellow Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	<1% Chrysotile
Result includes a small amount of inseparable attached material					
E34-Flooring *042323731-0033*	F2 - S. Center Room - Red Flooring	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E34-Mastic *042323731-0033A*	F2 - S. Center Room - Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E35-Plaster *042323731-0034*	F2 - Room 219 - Fireplace Room - Plaster	Gray Fibrous Homogeneous	3% Hair	97% Non-fibrous (Other)	None Detected
E35-Skim Coat *042323731-0034A*	F2 - Room 219 - Fireplace Room - Skim Coat	Tan/Silver Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
E36-Texture *042323731-0035*	F2 - Room 216 - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E36-Skim Coat *042323731-0035A*	F2 - Room 216 - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
E37-VFT *042323731-0036*	F2 - Room 213 - 12"x12" VFT	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E37-Mastic *042323731-0036A*	F2 - Room 213 - Tan Mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E38 *042323731-0037*	F2 - Room 213 - Textured Paint	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E39 *042323731-0038*	F2 - Room 211 - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E22-Drywall *042323731-0039*	F3 - SE Room - Drywall	Brown/White Fibrous Homogeneous	15% Cellulose 3% Glass	82% Non-fibrous (Other)	None Detected
E22-Joint Compound *042323731-0039A*	F3 - SE Room - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E22-Texture *042323731-0039B*	F3 - SE Room - Texture	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E40-Flooring *042323731-0040*	F2 - W. Hallway - Reddish Brown Flooring	Brown/Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E40-Mastic *042323731-0040A*	F2 - W. Hallway - Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E40-Leveler *042323731-0040B*	F2 - W. Hallway - Leveler	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E41-Flooring *042323731-0041*	F2 - W. Stairs - Lt. Brown Flooring	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E41-Mastic *042323731-0041A*	F2 - W. Stairs - Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E41-Leveler *042323731-0041B*	F2 - W. Stairs - Leveler	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E41-Backing *042323731-0041C*	F2 - W. Stairs - Lt. Brown Flooring	Gray Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
E42 *042323731-0042*	F2 - W. Stairs - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E43 *042323731-0043*	F2 - W. Stairs - Tan Drywall Tape	Tan Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
E44-Plaster *042323731-0044*	F2 - W. Stairs - Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E44-Skim Coat *042323731-0044A*	F2 - W. Stairs - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E45 *042323731-0045*	F2 - Room 205 Restroom - White Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
E46-Plaster *042323731-0046*	F2 - Restroom (203) - Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E46-Skim Coat *042323731-0046A*	F2 - Restroom (203) - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E47 *042323731-0047*	F2 - Janitor Room 204 - Drywall	Brown/Tan Fibrous Homogeneous	10% Cellulose 5% Glass	85% Non-fibrous (Other)	None Detected
E48 *042323731-0048*	F2 - Janitor Room 204 - Drywall (Green Backing)	Brown/Tan Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
E49-VFT *042323731-0049*	F1 - E. Room (146) - 12"x12" VFT Black	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E49-Mastic *042323731-0049A*	F1 - E. Room (146) - Mastic	Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E50-Plaster *042323731-0050*	F1 - E. Room (146) - Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E50-Skim *042323731-0050A*	F1 - E. Room (146) - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E51 *042323731-0051*	F1 - E. Stairs - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E52 *042323731-0052*	F1 - Room 136 - 12"x12" VFT Gray	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E53-VFT *042323731-0053*	F1 - 12"x12" VFT Faux Stone	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E53-Mastic *042323731-0053A*	F1 - Mastic	Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E54-Flooring *042323731-0054*	F1 - Blue Flooring	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E54-Mastic *042323731-0054A*	F1 - Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E54-Leveler *042323731-0054B*	F1 - Leveler	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E54-Backing *042323731-0054C*	F1 - Backing	Gray Fibrous Homogeneous		85% Non-fibrous (Other)	15% Chrysotile
E55-Flooring *042323731-0055*	F1 - Faux Wood Flooring 12"x12"	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E55-Mastic *042323731-0055A*	F1 - Mastic	Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E56-Flooring *042323731-0056*	F1 - Room 120 - Reddish Brown Flooring	Brown/Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
E56-Mastic *042323731-0056A*	F1 - Room 120 - Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E57-Flooring *042323731-0057*	F1 - Room 121 - Blue Flooring	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E57-Mastic *042323731-0057A*	F1 - Room 121 - Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E57-Leveler *042323731-0057B*	F1 - Room 121 - Leveler	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E58-Flooring *042323731-0058*	F1 - SW Stairs - Lt. Brown Flooring	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E58-Mastic *042323731-0058A* *Result includes a small amount of inseparable attached material*	F1 - SW Stairs - Mastic	Brown/Yellow Fibrous Heterogeneous		100% Non-fibrous (Other)	<1% Chrysotile
E58-Backing *042323731-0058B*	F1 - SW Stairs - Backing	Gray Fibrous Homogeneous	35% Cellulose	40% Non-fibrous (Other)	25% Chrysotile
E59 *042323731-0059*	F1 - Room 120 - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E60 *042323731-0060*	F1 - Room 148 - Window Glazing	Tan Non-Fibrous Homogeneous	2% Fibrous (Other)	98% Non-fibrous (Other)	None Detected
E61-TSI *042323731-0061*	F1 - Room 148 - TSI 1"	Yellow Fibrous Homogeneous	95% Glass	5% Non-fibrous (Other)	None Detected
E61-Wrap *042323731-0061A*	F1 - Room 148 - Wrap	Brown/Silver Fibrous Homogeneous	50% Cellulose 15% Glass	35% Non-fibrous (Other)	None Detected
E62 *042323731-0062*	F1 - Room 148 - Ceiling Tile	Gray Fibrous Homogeneous	70% Cellulose	20% Mica 10% Non-fibrous (Other)	None Detected
E63 *042323731-0063*	F1 - Center West Stairs - Concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E64-VFT *042323731-0064*	F1 - Room 115 - Faux Wood 12"x12" VFT	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E64-Mastic *042323731-0064A*	F1 - Room 115 - Mastic	Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E65 *042323731-0065*	F1 - Room 115 - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E66-Flooring *042323731-0066*	F1 - Room 110 - Faux Wood Flooring	Brown/Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E66-Mastic *042323731-0066A*	F1 - Room 110 - Mastic	Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 10/10/2023 14:28:05

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EMSL Order: 042323731
Customer ID: ATC55
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
E67 *042323731-0067*	F1 - Room 114 - Felt Paper	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
E68 *042323731-0068*	F1 - Room 114 - Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E69 *042323731-0069*	F1 - by Elevator - Drywall Tape	Tan Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
E70 *042323731-0070*	F1 - Restroom (109) - 1"x1" Floor Tile Grout Gray	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E71 *042323731-0071*	F1 - Restroom (109) - Terrazzo White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E72-VFT *042323731-0072*	F1 - Janitor Closet (104) - 12"x12" VFT Brown	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E72-Mastic *042323731-0072A*	F1 - Janitor Closet (104) - Black Mastic	Black Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
E74 *042323731-0073*	F1 - Room 146 - Paint Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E73 *042323731-0074*	F1 - Room 105 - Paint Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E75 *042323731-0075*	F1 - Room 120 - Drywall	Brown/Gray Fibrous Homogeneous	15% Cellulose 2% Glass	83% Non-fibrous (Other)	None Detected
E76 *042323731-0076*	F1 - Room 121 - 1'x1' Ceiling Tile	White/Yellow Fibrous Homogeneous	90% Glass	10% Non-fibrous (Other)	None Detected
E77 *042323731-0077*	F1 - Room 121 - Brown Pucks	Brown Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
E78-TSI *042323731-0078*	F1 - Room 133 - TSI 1.5" Pipe	Yellow Fibrous Homogeneous	95% Glass	5% Non-fibrous (Other)	None Detected
E78-Wrap *042323731-0078A*	F1 - Room 133 - Wrap	Tan/Silver Fibrous Homogeneous	50% Cellulose 10% Glass	40% Non-fibrous (Other)	None Detected
E78-Caulk *042323731-0078B*	F1 - Room 133 - Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E79-TSI *042323731-0079*	F1 - Room 120 - TSI 1" Pipe	Yellow Fibrous Homogeneous	95% Glass	5% Non-fibrous (Other)	None Detected
E79-Wrap *042323731-0079A*	F1 - Room 120 - Wrap	Tan/Silver Fibrous Homogeneous	50% Cellulose 10% Glass	40% Non-fibrous (Other)	None Detected
E80-TSI *042323731-0080*	B - Room B01 (SW Area) - TSI 1" Pipe	Yellow Fibrous Homogeneous	98% Glass	2% Non-fibrous (Other)	None Detected
E80-Wrap *042323731-0080A*	B - Room B01 (SW Area) - Wrap	White/Silver Fibrous Homogeneous	50% Cellulose 10% Glass	40% Non-fibrous (Other)	None Detected

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EMSL Order: 042323731
Customer ID: ATC55
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Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
E81 *042323731-0081*	B - Door to B30A - Drywall Tape	Tan Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
E82 *042323731-0082*	B - Door to B30A - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E83 *042323731-0083*	B - East Mechanical Room - Drywall	Brown/Gray Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
E84 *042323731-0084*	B - East Mechanical Room - Transite Panel	Gray Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
E85 *042323731-0085*	B - West Mechanical Room - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E86 *042323731-0086*	B - Room B02 - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E87-Plaster *042323731-0087*	B - Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E87-Texture *042323731-0087A*	B - Texture	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E88 *042323731-0088*	B - White Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E89 *042323731-0089*	B - Gray Caulk	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E90 *042323731-0090*	B - Door to B36 - Black Caulk	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E91 *042323731-0091* *Result includes a small amount of inseparable attached material*	B - Duct Wrap	White Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (Other)	None Detected
E92 *042323731-0092*	B - Vibration Damper	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
E93 *042323731-0093*	B - E. Wing - E. End of Hall - TSI Run Med	White Fibrous Homogeneous		65% Non-fibrous (Other)	15% Amosite 20% Crocidolite
E94 *042323731-0094*	B - E. Wing - E. End of Hall - TSI Elbow Med	White Fibrous Homogeneous		75% Non-fibrous (Other)	25% Chrysotile
E95 *042323731-0095*	B - E. Mechanical Room - TSI Elbow Sealant	Gray Non-Fibrous Homogeneous	25% Min. Wool	75% Non-fibrous (Other)	None Detected
E96-Sealant *042323731-0096*	B - E. Mechanical Room - TSI Elbow Sealant	Gray Non-Fibrous Homogeneous	25% Min. Wool	75% Non-fibrous (Other)	None Detected
E96-Caulk *042323731-0096A*	B - E. Mechanical Room - TSI Elbow Caulk	White Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile

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Customer ID: ATC55
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Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
E97 *042323731-0097*	B - E. Mechanical Room - TSI Elbow Sealant	Gray Fibrous Homogeneous	30% Min. Wool	70% Non-fibrous (Other)	None Detected
E98 *042323731-0098*	B - E. Hall - TSI Elbow Lg	Gray Fibrous Homogeneous	25% Min. Wool	75% Non-fibrous (Other)	None Detected
E99-Foam *042323731-0099*	B - E. Hall - Chilled H2O Return - TSI Run Lg	Orange Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E99-Wrap *042323731-0099A*	B - E. Hall - Chilled H2O Return - TSI Run Lg	Gray/Silver Fibrous Homogeneous	5% Glass	95% Non-fibrous (Other)	None Detected
E100 *042323731-0100*	B - E. Hall - TSI Elbow Lg	Gray/Yellow Fibrous Homogeneous	30% Min. Wool 25% Glass	45% Non-fibrous (Other)	None Detected
E101-Foam *042323731-0101*	B - E. Hall - TSI Run Lg	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E101-Wrap *042323731-0101A*	B - E. Hall - TSI Run Lg	Gray/Silver Fibrous Homogeneous	12% Glass	88% Non-fibrous (Other)	None Detected
E102 *042323731-0102*	B - Room B29 - TSI Elbow Small	Tan/White Fibrous Homogeneous		65% Non-fibrous (Other)	15% Amosite 20% Chrysotile
E103 *042323731-0103*	B - Room B29 - TSI Run Small	White Fibrous Homogeneous		80% Non-fibrous (Other)	10% Amosite 10% Chrysotile
E104-Insulation *042323731-0104*	B - Room B29 - TSI Elbow Med	Gray Fibrous Homogeneous		15% Non-fibrous (Other)	85% Chrysotile
E104-Wrap *042323731-0104A*	B - Room B29 - TSI Elbow Med	Brown/Silver Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (Other)	None Detected
E105 *042323731-0105*	B - Room B29 - TSI Run Med	White Non-Fibrous Homogeneous		50% Non-fibrous (Other)	35% Amosite 15% Crocidolite
E106 *042323731-0106*	B - Center Hall - TSI Elbow Lg	Brown Non-Fibrous Homogeneous	10% Min. Wool	90% Non-fibrous (Other)	None Detected
E107-Foam *042323731-0107*	B - Center Hall - TSI Run Lg	Orange Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E107-Wrap *042323731-0107A*	B - Center Hall - TSI Run Lg	Gray/Silver Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
E108-Insulation *042323731-0108*	B - N. Wing - N. Room - TSI Elbow Med	White Fibrous Homogeneous		45% Non-fibrous (Other)	55% Chrysotile
E108-Texture *042323731-0108A*	B - N. Wing - N. Room - TSI Elbow Med	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
E109 *042323731-0109*	B - N. Wing - N. Room - TSI Run Med	White Fibrous Homogeneous		55% Non-fibrous (Other)	30% Amosite 15% Crocidolite
E110-Insulation *042323731-0110*	B - N. Wing - N. Room - TSI Elbow Sm	White Fibrous Homogeneous		40% Non-fibrous (Other)	60% Chrysotile

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Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
E110-Texture	B - N. Wing - N. Room - TSI Elbow Sm	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
042323731-0110A					
E110-Mastic	B - N. Wing - N. Room - TSI Elbow Sm	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
042323731-0110B					
Inseparable paint / coating layer included in analysis					
E111	B - N. Wing - N. Room - TSI Run Sm	White Non-Fibrous Homogeneous		60% Non-fibrous (Other)	5% Amosite 35% Crocidolite
042323731-0111					
E112-Insulation	B - W. Wing - TSI Elbow Sm	White Fibrous Homogeneous		30% Non-fibrous (Other)	15% Amosite 25% Chrysotile 30% Crocidolite
042323731-0112					
E112-Texture	B - W. Wing - TSI Elbow Sm	Tan Non-Fibrous Homogeneous		94% Non-fibrous (Other)	2% Amosite 4% Crocidolite
042323731-0112A					
E113	B - W. Wing - TSI Run Sm	White Fibrous Homogeneous		55% Non-fibrous (Other)	15% Amosite 30% Crocidolite
042323731-0113					
E114-Cove Base	B - W. Wing - 4" Brown Cove Base	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
042323731-0114					
E114-Mastic	B - W. Wing - Mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
042323731-0114A					
E114-Joint Compound	B - W. Wing - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
042323731-0114B					

Analyst(s)

Andrew Borsos (4)
Andrea Doughty (85)
Brett Polumbo (35)
Brett Teixeira (29)
Michael Bocchicchio (18)



Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA LAP, LLC-IHLAP Lab 100194, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from: 10/10/2023 14:28:05

OrderID: 042323731

Asbestos Chain of Custody (Air, Bulk, Soil)

EMSL Order Number / Lab Use Only: 042323731

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
PHONE: (800) 220-3675
EMAIL: CinnAsbLab@EMSL.com

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If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization.

Customer Information		Billing Information	
Customer ID:	ATC 55	Billing ID:	ATC 55
Company Name:	Atlas	Company Name:	Atlas
Contact Name:		Billing Contact:	
Street Address:	11117 Mockingbird Drive	Street Address:	11117 Mockingbird Drive
City, State, Zip:	Omaha, NE, 68137	City, State, Zip:	Omaha, NE, 68137
Country:		Country:	
Phone:	402-697-9747	Phone:	402-697-9747
Email(s) for Report:		Email(s) for Invoice:	

Project Information

Project Name/No:	WOODWARD 204B506333	Purchase Order:	
EMSL LIMS Project ID: (If applicable, EMSL will provide)		US State where samples collected:	State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)
Sampled By Name:	ERIC BROWN	Sampled By Signature:	Eric Brown
No. of Samples in Shipment:	114		

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 4-4.5 Hour AHERA ONLY ☐ 6 Hour ☐ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☒ 1 Week ☐ 2 Week

TEM Air 3-6 Hour, please call ahead to schedule. 32 Hour TAT available for select tests only; samples must be submitted by 11:30 am.

Test Selection

PCM Air
- ☐ NIOSH 7400
- ☐ NIOSH 7400 w/ 8hr. TWA

PLM - Bulk (reporting limit)
- ☒ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)
- ☐ POINT COUNT
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- POINT COUNT w/ GRAVIMETRIC
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- ☐ NIOSH 9002 (<1%)
- ☐ NYS 198.1 (Friable - NY)
- ☐ NYS 198.6 NOB (Non-Friable - NY)
- ☐ NYS 198.8 (Vermiculite SM-V)

TEM - Air
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312*

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (Non-Friable-NY)
- ☐ TEM EPA 600/R-93/116 w Milling Prep (0.1%)

Other Test (please specify)

TEM - Settled Dust
- ☐ Microvac - ASTM D5755
- ☐ Wipe - ASTM D6480
- ☐ Qualitative via Filtration Prep
- ☐ Qualitative via Drop Mount Prep

Soil - Rock - Vermiculite (reporting limit)*
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.25%)
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM Qualitative via Filtration Prep
- ☐ TEM Qualitative via Drop Mount Prep

*Please call with your project-specific requirements.

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☐ Positive Stop - Clearly Identified Homogeneous Areas (HA) | Filter Pore Size (Air Samples) ☐ 0.8um ☐ 0.45um

Sample Number	Sample Location / Description	Volume, Area or Homogeneous Area	Date / Time Sampled (Air Monitoring Only)
	SEE ATTACHED SHEETS		

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

ANALYZE GROUT ONLY IN E30

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by: Eric Brown	Date/Time: 9/29/2023 16:00	Received by: FX	Date/Time: 10/2/23 10:35A
Relinquished by:	Date/Time:	Received by:	Date/Time:

Controlled Document - COC-05 Asbestos R16 10/26/2021

☐ **AGREE TO ELECTRONIC SIGNATURE** (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

042323731

ASBESTOS BULK SAMPLE FORM

ATLAS
11117 Mockingbird Drive
Omaha, NE 68137
Phone (402) 697-9747
Fax (402) 597-8532

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Project Information

Client:	Project Description: WOOD WARD	Project Manager: SH Inspector: EB
Date: 9/28/2023	Site Location: ELMCREST	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
E1	WINDOW GLAZING WHITE	B	N. WING W. SIDE BASEMENT WINDOW	
E2	WHITE CAULK	B	W WING N. SIDE BASEMENT WINDOW	
E3	BROWN WINDOW CAULK	1	W. WING W. SIDE N. WINDOW	
E4	GRAY CAULK	1	W. WING N. SIDE W. BRICKED UP WINDOW	
E5	BRICK MORTAR	1	W. WING NW CORNER	
E6	GRAY CAULK	1	W. WING NW DOOR	
E7	GRAY CAULK	1	W. WING W. SIDE GROUND LEVEL	
E8	WINDOW GLAZING RED	B	E. WING S. SIDE 2nd WINDOW FROM W. (BASEMENT)	
E9	WINDOW GLAZING WHITE	B	E. WING N. SIDE	
E10	WINDOW GLAZING RED	B	E. WING N. SIDE	
E11	BROWN WINDOW CAULK	1	E. WING N. SIDE	
E12	GRAY CAULK	1	N. WING E. SIDE GROUND LEVEL	
E13	GRAY CAULK	3	EXTERIOR S. SIDE UNDER E. VENT	

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Project Information

Client:	Project Description: WOODWARD	Project Manager: SH Inspector: EB
Date: 9/28/2023	Site Location: ELM CREST	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
E14	BRICK MORTAR	3	EXTERIOR S. SIDE E. VENT	
E15	PLASTER/SKIM COAT	3	NW ROOM	
E16	PLASTER/SKIM COAT	3	SE ROOM	
E17	VIBRATION DAMPER	3	E. HVAC ROOM	
E18	ATTIC INSULATION	3	E HVAC ROOM	
E19	TSI 1½"	3	SE ROOM	
E20	DRYWALL MUD	3	NE ROOM	
E21	DRY WALL MUD	3	NW ROOM	
~~E22~~	~~PLASTER/SKIM COAT~~	~~2~~	~~E ROOM (246) [illegible]~~	
E23	6" BLACK COVEBASE & BROWN MASTIC	2	E ROOM (246)	
E24	LT. BROWN FLOORING & TAN MASTIC	2	E ROOM (246)	E3C & 246
E25	REDDISH BROWN FLOORING	2	E HALL (238)	
E27	12" X 12" VFT BROWN	2	JANITOR ROOM (242)	

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Project Information

Client:	Project Description: WOODWARD	Project Manager: SH Inspector: ED
Date: 9/28/2023	Site Location: ELMCREST	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
E28	BLACK VFT MASTIC	2	JANITOR CLOSET (242)	
E28A	CEILING TILE	2	EAST ROOM (246)	
E29	4" BLACK COVEBASE & BROWN MASTIC	2	JANITOR CLOSET (242)	
E30	1" FLOOR TILE GROUT	2	RESTROOM (237)	
E31	RED FLOORING	2	E HALLWAY (232)	
E32	PLASTER/SKIM COAT	2	E ROOM (246) W. WALL	
E33	RED FLOORING	2	N CENTER ROOM (221)	
E34	RED FLOORING	2	S CENTER ROOM	
E35	PLASTER/ SKIMCOAT	2	ROOM 219 FIREPLACE ROOM	
E36	DRYWALL MUD	2	ROOM 216	
E37	12" x12" VFT w/ TAN MASTIC	2	ROOM 213	
E38	TEXTURED PAINT	2	ROOM 213	
E39	DRYWALL MUD	2	ROOM 211	

042323731

ASBESTOS BULK SAMPLE FORM

ATLAS
11117 Mockingbird Drive
Omaha, NE 68137
Phone (402) 697-9747
Fax (402) 597-8532

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Project Information

Client:	Project Description: WOODWARD	Project Manager: SM Inspector: EB
Date: 9/28/2023	Site Location: ELM CREST	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
E22	DRYWALL	3	SE ROOM	
E40	REDDISH BROWN FLOORING	2	W HALLWAY	
E41	LT BROWN FLOORING	2	W. STAIRS	
E42	DRYWALL MUD	2	W. STAIRS	
E43	TAN DRYWALL TAPE	2	W. STAIRS	
E44	PLASTER/SKIM COAT	2	W. STAIRS	
E45	WHITE CAULK	2	ROOM 205 RESTROOM	
E46	PLASTER/SKIM COAT	2	RESTROOM (203)	
E47	DRYWALL	2	JANITOR ROOM 204	
E48	DRY WALL (GREEN BACKING)	2	JANITOR ROOM 204	
E49	12"x12" VFT BLACK	1	E ROOM (146)	
E50	PLASTER/SKIM COAT	1	E ROOM (146)	
E51	DRY WALL MUD	1	E STAIRS	

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ATLAS
11117 Mockingbird Drive
Omaha, NE 68137
Phone (402) 697-9747
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Project Information

Client:	Project Description: WOODWARD	Project Manager: SH Inspector: EB
Date: 9/28/2023 9/29/2023	Site Location: ELMCREST	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
E52	12"x12" VFT GRAY	1	ROOM 136	
E53	12"x12" VFT FAUX STONE	1		
E54	BLUE FLOORING	1		
9/28 E55	FAUX WOOD FLOORING 12"x12"	1		
9/29 E56	REDDISH BROWN FLOORING	1	ROOM 120	
E57	BLUE FLOORING	1	ROOM 121	
E58	Lt. BROWN FLOORING	1	SW STAIRS	
E59	DRYWALL MUD	1	ROOM 120	
E60	WINDOW GLAZING	1	ROOM 148	
E61	TSI 1"	1	ROOM 148	
E62	CEILING TILE	1	ROOM 148	
E63	CONCRETE	1	CENTER WEST STAIRS	
E64	FAUX WOOD 12"x12" VFT	1	ROOM 115	

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11117 Mockingbird Drive
Omaha, NE 68137
Phone (402) 697-9747
Fax (402) 597-8532

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Project Information

Client:	Project Description: WOODWARD	Project Manager: SH Inspector: EB
Date: 9/29/2023	Site Location: ELMCREST	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
E65	DRYWALL MUD	1	ROOM 115	
E66	FAUX WOOD FLOORING	1	ROOM 110	
E67	FELT PAPER	1	ROOM 114	
E68	PLASTER	1	ROOM 114	
E69	DRYWALL TAPE	1	BY ELEVATOR	
E70	FLOOR 1"x1" TILE GROUT GRAY	1	RESTROOM (109)	
E71	TERRAZZO WHITE	1	RESTROOM (109)	
E72	12"X12" VFT BROWN W/BLACK MAST	1	JANITOR CLOSET (104)	
E74	PAINT TEXTURE	1	ROOM 146	
E73	PAINT TEXTURE	1	ROOM 105	
E75	DRYWALL	1	ROOM 120	
E76	1'x1' CEILING TILE	1	ROOM 121	
E77	BROWN PUCKS	1	ROOM 121	

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Phone (402) 697-9747
Fax (402) 597-8532

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Project Information

Client:	Project Description: WOODWARD	Project Manager: SH Inspector: EB
Date: 9/29/2023	Site Location: ELMCREST	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
E78	TSI 1½" PIPE	1	ROOM 133	
E79	TSI 1" PIPE	1	ROOM 120	
E80	TSI 1" PIPE	B	ROOM B01 (SW ROOM)	
E81	DRYWALL TAPE	B	DOOR TO B30A	
E82	DRYWALL MUD	B	DOOR TO B30A	
E83	DRYWALL ~~EAST MECHANICAL ROOM~~	B	EAST MECHANICAL ROOM	
E84	TRANSITE PANEL ~~EAST MECHANICAL ROOM~~	B	EAST MECHANICAL ROOM	
E85	DRYWALL MUD	B	WEST MECHANICAL ROOM	
E86	DRYWALL MUD	B	ROOM B02	
E87	PLASTER	B		
E88	WHITE CAULK	B		
E89	GRAY CAULK	B		
E90	BLACK CAULK	B	DOOR TO B36	

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ATLAS
11117 Mockingbird Drive
Omaha, NE 68137
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Project Information

Client:	Project Description: WOODWARD	Project Manager: SH Inspector: EB
Date: 9/29/2023	Site Location: ELM CREST	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
E91	DUCT WRAP	B		
E92	VIBRATION DAMPER	B		
E93	TSI RUN MED	B	E WING EEND OF HALL	
E94	TSI ELBOW MED	B	E WING E END OF HALL	
E95	TSI ELBOW SEALANT	B	E MECHANICAL ROOM	
E96	TSI ELBOW SEALANT	B	E MECHANICAL ROOM	
E97	TSI ELBOW SEALANT	B	E MECHANICAL ROOM	
E98	TSI ELBOW Lg	B	E HALL	
E99	TSI RUN Lg	B	E HALL CHILLED H_2O RETURN	
E100	TSI ELBOW Lg	B	E HALL	
E101	TSI RUN Lg	B	E HALL	
E102	TSI ELBOW small	B	ROOM B29	
E103	TSI RUN Sm	B	ROOM B29	

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Phone (402) 697-9747
Fax (402) 597-8532

Project Information

Client:	Project Description: WOODWARD	Project Manager: SH Inspector: EB
Date: 9/29/2023	Site Location: ELMCREST	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
E104	TSI ELBOW MED	B	ROOM B29	
E105	TSI RUN MED	B	ROOM B29	
E106	TSI ELBOW LG	B	CENTER HALL	
E107	TSI RUN LG	B	CENTER HALL	
E108	TSI ELBOW MED	B	N WING N. ROOM	
E109	TSI RUN MED	B	N WING N ROOM	
E110	TSI ELBOW SM	B	N WING N ROOM	
E111	TSI RUN SM	B	N WING N ROOM	
E112	TSI ELBOW SM	B	W WING	
E113	TSI RUN SM	B	W WING	
E114	4" BROWN COVE BASE	B	W WING	

APPENDIX B

LEAD PAINT TEST RESULTS

EMSL Analytical, Inc.
706 Gralin Street, Kernersville, NC 27284
Phone/Fax: (336) 992-1025 / (336) 992-4175
http://www.EMSL.com kernersvillelab@emsl.com

EMSL Order:	022306810
CustomerID:	ATC55
CustomerPO:	
ProjectID:	

Attn: **Steve Hudson**
Atlas Technical
11117 Mockingbird Drive
Omaha, NE 68137

Phone:	(402) 697-9747
Fax:	(402) 597-8532
Received:	10/3/2023 08:45 AM
Collected:	9/28/2023

Project: **204B506333**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	*Collected*	*Analyzed*	*Weight*	*RDL*	*Lead* ***Concentration***
PC E1 *022306810-0001*	9/27/2023	10/5/2023	.3903 g	0.080 % wt	0.48 % wt
PC E2 *022306810-0002*	9/27/2023	10/5/2023	.3707 g	0.0080 % wt	0.15 % wt
PC E3 *022306810-0003*	9/27/2023	10/5/2023	.2724 g	0.0080 % wt	0.027 % wt
PC E4 *022306810-0004*	9/27/2023	10/5/2023	.3564 g	0.80 % wt	18 % wt
PC E5 *022306810-0005*	9/27/2023	10/5/2023	.3577 g	0.0080 % wt	<0.0080 % wt
PC E6 *022306810-0006*	9/27/2023	10/5/2023	.2505 g	0.0080 % wt	<0.0080 % wt
PC E7 *022306810-0007*	9/27/2023	10/5/2023	.3437 g	0.0080 % wt	0.0085 % wt
PC E8 *022306810-0008*	9/27/2023	10/5/2023	.3064 g	0.0080 % wt	0.012 % wt
PC E9 *022306810-0009*	9/27/2023	10/5/2023	.2904 g	0.0080 % wt	<0.0080 % wt
PC E10 *022306810-0010*	9/27/2023	10/5/2023	.3572 g	0.0080 % wt	<0.0080 % wt
PC E11 *022306810-0011*	9/27/2023	10/5/2023	.3751 g	0.0080 % wt	<0.0080 % wt

James Cole

James Cole, Laboratory Manager
or other approved signatory

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* Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.
Samples analyzed by EMSL Analytical, Inc. Kernersville, NC AIHA LAP, LLC-ELLAP Accredited #102564

Initial report from 10/06/2023 07:59:29

EMSL Analytical, Inc.
706 Gralin Street, Kernersville, NC 27284
Phone/Fax: (336) 992-1025 / (336) 992-4175
http://www.EMSL.com kernersvillelab@emsl.com

EMSL Order: 022306810
CustomerID: ATC55
CustomerPO:
ProjectID:

Attn: **Steve Hudson**
Atlas Technical
11117 Mockingbird Drive
Omaha, NE 68137

Phone: (402) 697-9747
Fax: (402) 597-8532
Received: 10/3/2023 08:45 AM
Collected: 9/28/2023

Project: **204B506333**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	*Collected*	*Analyzed*	*Weight*	*RDL*	*Lead Concentration*
PC E12 *022306810-0012*	9/27/2023	10/5/2023	.3442 g	0.0080 % wt	<0.0080 % wt
PC E13 *022306810-0013*	9/27/2023	10/5/2023	.2987 g	0.0080 % wt	<0.0080 % wt
PC E14 *022306810-0014*	9/27/2023	10/5/2023	.3023 g	0.0080 % wt	<0.0080 % wt
PC E15 *022306810-0015*	9/27/2023	10/5/2023	.2881 g	0.0080 % wt	<0.0080 % wt
PC E16 *022306810-0016*	9/27/2023	10/5/2023	.2842 g	0.0080 % wt	<0.0080 % wt
PC E17 *022306810-0017*	9/27/2023	10/5/2023	.3135 g	0.0080 % wt	<0.0080 % wt
PC E18 *022306810-0018*	9/27/2023	10/5/2023	.2626 g	0.0080 % wt	<0.0080 % wt
PC E19 *022306810-0019*	9/27/2023	10/5/2023	.3123 g	0.0080 % wt	<0.0080 % wt
PC E20 *022306810-0020*	9/27/2023	10/5/2023	.3098 g	0.0080 % wt	<0.0080 % wt
PC E21 *022306810-0021*	9/27/2023	10/5/2023	.282 g	0.0080 % wt	<0.0080 % wt
PC E22 *022306810-0022*	9/27/2023	10/5/2023	.2506 g	0.0080 % wt	<0.0080 % wt

James Cole

James Cole, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Kernersville, NC AIHA LAP, LLC-ELLAP Accredited #102564

Initial report from 10/06/2023 07:59:29

EMSL Analytical, Inc.
706 Gralin Street, Kernersville, NC 27284
Phone/Fax: (336) 992-1025 / (336) 992-4175
http://www.EMSL.com kernersvillelab@emsl.com

EMSL Order:	022306810
CustomerID:	ATC55
CustomerPO:	
ProjectID:	

Attn: **Steve Hudson**
Atlas Technical
11117 Mockingbird Drive
Omaha, NE 68137

Phone:	(402) 697-9747
Fax:	(402) 597-8532
Received:	10/3/2023 08:45 AM
Collected:	9/28/2023

Project: **204B506333**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	*Collected*	*Analyzed*	*Weight*	*RDL*	*Lead Concentration*
PC E23 *022306810-0023*	9/27/2023	10/5/2023	.3334 g	0.0080 % wt	<0.0080 % wt
PC E24 *022306810-0024*	9/27/2023	10/5/2023	.2637 g	0.0080 % wt	<0.0080 % wt
PC E25 *022306810-0025*	9/27/2023	10/5/2023	.2697 g	0.0080 % wt	<0.0080 % wt
PC E26 *022306810-0026*	9/27/2023	10/5/2023	.3044 g	0.0080 % wt	<0.0080 % wt
PC E27 *022306810-0027*	9/27/2023	10/5/2023	.25 g	0.0080 % wt	<0.0080 % wt
PC E28 *022306810-0028*	9/27/2023	10/5/2023	.3291 g	0.0080 % wt	0.059 % wt
PC E29 *022306810-0029*	9/27/2023	10/5/2023	.281 g	0.0080 % wt	<0.0080 % wt
PC E30 *022306810-0030*	9/28/2023	10/5/2023	.2655 g	0.0080 % wt	0.11 % wt
PC E31 *022306810-0031*	9/28/2023	10/5/2023	.3512 g	0.080 % wt	1.7 % wt
PC E32 *022306810-0032*	9/28/2023	10/5/2023	.3372 g	0.0080 % wt	0.22 % wt
PC E33 *022306810-0033*	9/28/2023	10/5/2023	.2758 g	0.0080 % wt	<0.0080 % wt

James Cole

James Cole, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Kernersville, NC AIHA LAP, LLC-ELLAP Accredited #102564

Initial report from 10/06/2023 07:59:29

EMSL Analytical, Inc.
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http://www.EMSL.com kernersvillelab@emsl.com

EMSL Order:	022306810
CustomerID:	ATC55
CustomerPO:	
ProjectID:	

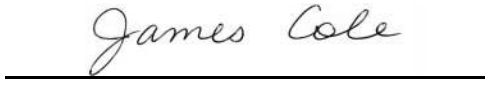
Attn: **Steve Hudson**
Atlas Technical
11117 Mockingbird Drive
Omaha, NE 68137

Phone:	(402) 697-9747
Fax:	(402) 597-8532
Received:	10/3/2023 08:45 AM
Collected:	9/28/2023

Project: **204B506333**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	*Collected*	*Analyzed*	*Weight*	*RDL*	*Lead Concentration*
PC E34 *022306810-0034*	9/28/2023	10/5/2023	.2847 g	0.080 % wt	0.79 % wt
PC E35 *022306810-0035*	9/28/2023	10/5/2023	.2606 g	0.0080 % wt	0.36 % wt
PC E36 *022306810-0036*	9/28/2023	10/5/2023	.4135 g	8.0 % wt	16 % wt
PC E37 *022306810-0037*	9/28/2023	10/5/2023	.2862 g	0.80 % wt	28 % wt
PC E38 *022306810-0038*	9/28/2023	10/5/2023	.3343 g	0.0080 % wt	<0.0080 % wt



James Cole, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Kernersville, NC AIHA LAP, LLC-ELLAP Accredited #102564

Initial report from 10/06/2023 07:59:29

OrderID: 022306810 AT155

EMSL ANALYTICAL, INC.
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Lead Chain of Custody

EMSL Order Number / Lab Use Only

022306810

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
EMAIL: c@emsl.com

Customer Information		Billing Information	
Customer ID:		Billing ID:	
Company Name:	Atlas Technical	Company Name:	Atlas Technical
Contact Name:	Steve Hudson	Billing Contact:	Steve Hudson
Street Address:	11117 Mockingbird Drive	Street Address:	11117 Mockingbird Drive
City, State, Zip:	Omaha NE 68137	City, State, Zip:	Omaha NE 68137
Country:	US	Country:	US
Phone:	402-697-9747	Phone:	402-697-9747
Email(s) for Report:	steve.hudson@oneatlas.com	Email(s) for Invoice:	

Project Information

Project Name/No:	204B506333	Purchase Order:	
EMSL LIMS Project ID: (If applicable, EMSL will provide)		US State where samples collected:	IA
State of Connecticut (CT) must select project location:	☐ Commercial (Taxable) ☐ Residential (Non-Taxable)		
Sampled By Name:	ERIC BROWN	Sampled By Signature:	Eric Brown
No. of Samples in Shipment	38		

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☒ 1 Week ☐ 2 Week

Please call ahead for large projects and/or turnaround times 6 Hours or Less *32 Hour TAT available for select tests only, samples must be submitted by 11 30am

MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
CHIPS ☒ % by wt ☐ ppm (mg/kg) ☐ mg/cm²	SW 846-7000B	Flame Atomic Absorption	0.008% (80ppm)	☒
*Reporting Limit based on a minimum 0.25g sample weight	SW 846-6010D*	ICP-OES	0.0004% (4ppm)	☐
AIR	NIOSH 7082	Flame Atomic Absorption	4µg/filter	☐
	NIOSH 7300M / NIOSH 7303M	ICP-OES	0.5µg/filter	☐
	NIOSH 7300M / NIOSH 7303M	ICP-MS	0.05µg/filter	☐
WIPE ☐ ASTM ☐ NON-ASTM	SW 846-7000B	Flame Atomic Absorption	10µg/wipe	☐
*If no box is checked, non-ASTM Wipe is assumed	SW 846-6010D*	ICP-OES	1.0µg/wipe	☐
TCLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
SPLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
TTLC	22 CCR App. II, 7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
STLC	22 CCR App. II, 7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
Soil	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
Wastewater	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
Unpreserved ☐ / Preserved with HNO3 ☐ PH<2	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	☐
Drinking Water	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	☐
Unpreserved ☐ / Preserved with HNO3 ☐ PH<2	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	☐
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	☐
Other:				☐

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
	SEE ATTACHED SHEETS		

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by: Eric Brown	Date/Time: 9/29/2023 16:00	Received by: EFX	Date/Time: 10-02-23 11 am
Relinquished by:	Date/Time:	Received by: JS	Date/Time: 10-3-23 8:45

Controlled Document - COC-25 Lead R16 4/19/2021

*6010C Available Upon Request

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35

EFX 7967 1375 7952

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

LEAD
~~Asbestos~~ Chain of Custody (Air, Bulk, Soil)
EMSL Order Number / Lab Use Only

6810

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077

PHONE: (800) 220-3675
EMAIL: CinnAsblab@EMSL.com

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Sample Number	Sample Location / Description	Volume, Area or Homogeneous Area	Date / Time Sampled (Air Monitoring Only)
PC E1	WHITE	BASEMENT HALLWAY (W)	9/27/2013
PC E2	DULL GREEN	BASEMENT CENTER STAIRWAY LANDING	
PC E3	DULL PALE YELLOWISH WHITE	BASEMENT HALLWAY (E)	
PC E4	YELLOW	STRIPES ON BASEMENT FLOOR	
PC E5	LIGHT GRAY	1ST FL W. ROOM RM 105	
PC E6	DK GRAY	1ST FL W. ROOM RM 105	
PC E7	WHITE OVER YELLOW	1ST FL HALLWAY PILLARS	
PC E8	LIGHT GRAY OVER YELLOW	1ST FL HALLWAY	
PC E9	DULL YELLOW	1ST FL JANITOR CLOSET RM 104	
PC E10	BROWN	1ST FL ROOM 113	
PC E11	ORANGE-BROWN	1ST FL ROOM 110	
PC E12	GREEN	1ST FL N. CENTER ROOM	
PC E13	DK GREEN	1ST FL S. CENTER ROOM	
PC E14	DK BLUE/GREEN	1ST FL CENTER ROOM	
PC E15	BROWN/BEIGE	1ST FL CENTER	
PC E16	DK SALMON	1ST FL CENTER	
PC E17	DK GREEN	1ST FL CENTER	
PC E18	DK BLUE OVER LT. SALMON OVER LT GREEN	1ST FLOOR FIREPLACE	
PC E19	SKY BLUE	1ST FL CENTER	
PC E20	BLUE	1ST FL ROOM 121	
PC E21	TURQUOIS	1ST FL CENTER	
PC E22	BLACK	1ST FL CENTER	
PC E23	LAVENDER	1ST FL CENTER	
PC E24	BLUE	1ST FL 134 ROOM	
PC E25	OLIVE GREEN	1ST FL CENTER	

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by:	Date/Time:	Received by:	Date/Time
Relinquished by:	Date/Time:	Received by:	Date/Time

Controlled Document - COC-05 Asbestos R16 10/26/2021

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EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Lead Chain of Custody

EMSL Order Number / Lab Use Only: 60810

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
EMAIL: c@emsl.com

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
PC E26	Lt. BROWN 2nd FL	HALLWAY	9/27/2023
PC E27	Lt. BLUE 2nd FL	ROOM 234	↓
PC E28	LAVENDER OVER BLACK 2nd FL	ROOM 236	↓
PC E29	PINK 2nd FL		↓
PC E30	BROWN 2nd FL	ECENTER STAIRWAY POST	9/28/2023
PC E31	WHITE OVER GREEN 2nd FL	E CENTER STAIRWAY	↓
PC E32	SILVER 2nd FL	Room 219 (N. OF FIREPLACE)	↓
PC E33	BLUE OVER WHITE 2nd FL	Room 227 (S. ROOM)	↓
PC E34	RED 3rd FL	FLOOR (ROOM 308)	↓
PC E35	Lt. GREEN 3rd FL	HALLWAY RADIATOR	↓
PC E36	Lt. GREEN 3rd FL	(ROOM 308)	9/28/2023
PC E37	WHITE 3rd FL	EXTERIOR EAVES	9/28/2023
PC E38	ORANGE 1st FL	SE STAIRS ROOM 245	9/28/2023

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by:	Date/Time:	Received by:	Date/Time
Relinquished by:	Date/Time:	Received by:	Date/Time

Controlled Document COC-25 Lead R16 4/19/2021

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APPENDIX C

ASBESTOS SAMPLE LOCATIONS

Asbestos Sample Locations

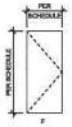


A6 BASEMENT FLOOR PLAN



DOOR AND FRAME SCHEDULE

MARK	ROOM NAME	OPENING SIZE WIDTH	OPENING SIZE HEIGHT	DOOR THICKNESS	DOOR TYPE	DOOR MATERIAL	FRAME TYPE	FRAME MATERIAL	HDWR.	RATING	REMARKS
531	STORAGE	3' - 0"	7' - 0"	1 3/4"	F	HM	HM	HM			



1 DOOR PANEL ELEVATION



2 DOOR FRAME ELEVATION

FLOOR PLAN NOTES

1. REFER TO DRAWINGS OF ALL TRADES FOR ADDITIONAL INFORMATION REGARDING ITEMS PENETRATING FLOORS, WALLS, AND CEILINGS.

FLOOR PLAN SYMBOLS LEGEND



KEYNOTES

KEY	NOTE
A06	PATCH ANY EXISTING HOLES AND SEAL ALL EXISTING AND NEW PENETRATIONS IN WALLS AND FLOOR/CEILING AS REQUIRED TO PREVENT THE PASSAGE OF SMOKE

CODE REVIEW NOTES

Table 306 – Institutional uses
Furnace rooms where any piece of equipment is over 300,000 Btu per hour input: Provide 1 hour separation or automatic sprinkler system
Rooms with boilers where the largest piece of equipment is over 15 psi and 10 horsepower: Provide 1 hour separation or automatic sprinkler system
(Building is sprinklered; therefore, separation it not required.)

906.4.2
Where sprinkler system is provided without fire barrier, separate by construction capable of inhibiting the passage of smoke.

1006.2.2.1Boiler, incinerator and furnace rooms.
Two exit access doorways are required in boiler, incinerator and furnace rooms where the area is over 500 square feet (50 m²) and any fuel-fired equipment exceeds 400,000 British thermal units (Btu) (422 000 KJ) input capacity. *Exit access doorways* shall be separated by a horizontal distance equal to one-half the length of the maximum overall diagonal dimension of the room.

Travel distance
B: 300 ft with sprinkler system

1006.3.1 Common path of egress travel distance.
B: 75 ft

1018.2 Egress through intervening spaces
2. Egress from a room or space shall not pass through adjoining or intervening rooms or areas, except where such adjoining rooms or areas and the area served are accessory to one or the other, are not a Group H occupancy and provide a discernible path of egress travel to an exit.
3. An exit access shall not pass through a room that can be locked to prevent egress.
5. Egress shall not pass through kitchens, storage rooms, closets or spaces used for similar purposes.

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ARCHITECTURE + INTERIOR DESIGN
4125 NTH 126TH PKWY, SUITE 100
OMAHA, NE 68164
P 402.333.8844 | SHIVEHATTERY.COM

(#92279.30) WRC Decentralization Phase 3

IA DAS
1251 384TH STREET, WOODWARD, IA 50276

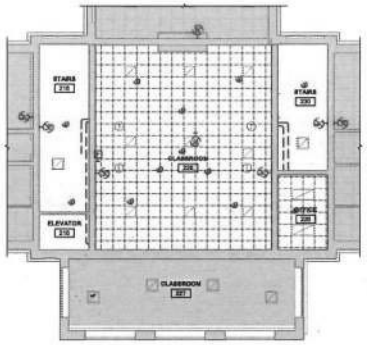
PRELIMINARY - NOT FOR CONSTRUCTION

DRAWN BY	LA, CTK, RHD
APPROVED BY	CLH
ISSUED FOR	SWK CONSTRUCTION DOCUMENTS
ISSUE DATE	2025-05-21
PROJECT NUMBER	21-HDWD
FIELD BOOK	Field Book

BASEMENT FLOOR PLAN

10-A100

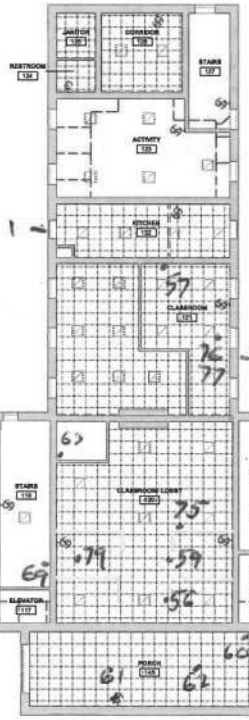
Asbestos Sample Locations



NORTH

F2 SECOND FLOOR DEMO RCP

1/8" = 1'-0" 12



NORTH

A6 FIRST FLOOR DEMO RCP

1/8" = 1'-0" 12

ARCHITECTURAL DEMOLITION NOTES

1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF DEMOLITION WORK. NOTIFY ARCHITECT IN WRITING OF DISCREPANCIES BETWEEN WORK SHOWN IN THE DRAWINGS AND FIELD CONDITIONS ENCOUNTERED.
2. TO PROTECT OWNER AND CONTRACTOR, PHOTOGRAPHICALLY DOCUMENT EXISTING CONDITIONS TO REMAIN, PRIOR TO START OF DEMOLITION AND CONSTRUCTION ACTIVITIES. COPY ARCHITECT AND OWNER ON PHOTOGRAPHIC DOCUMENTATION.
3. OPEN FLAME EQUIPMENT IS NOT PERMITTED FOR REMOVAL OF EXISTING WORK WITHOUT SPECIFIC WRITTEN PERMISSION FROM THE OWNER.
4. COORDINATE WITH OWNER ANY ITEMS TO BE SALVAGED.
5. OWNER WILL REMOVE ALL NON-FIXED FURNISHINGS AND EQUIPMENT FROM THE CONSTRUCTION AREA PRIOR TO START OF CONSTRUCTION UNLESS NOTED OTHERWISE.
6. MAINTAIN BUILDING IN A WEATHER-TIGHT CONDITION. DO NOT PERFORM WORK ON EXTERIOR OPENINGS THAT CANNOT BE COMPLETED ON MADE WEATHER-TIGHT WHEN INCLEMENT WEATHER IS POSSIBLE.
7. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL FINISHES (TO REMAIN) IN THE PROJECT AREA. COORDINATE WITH ARCHITECT AND OWNER PRIOR TO DEMOLITION.
8. CONTRACTOR SHALL ENSURE THAT DUST AND DEBRIS ARE PREVENTED FROM ENTERING THE EXISTING HVAC SYSTEM AND ADJOINING SPACES WITH TEMPORARY BARRIERS AS REQUIRED PER THE BUILDING.
9. ALL NEW AND EXISTING PENETRATIONS IN EXISTING WALLS, FLOORS AND CEILING DECKS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL RECEIVE UL AND FACILITY APPROVED FIRE SEALANT MATERIALS TO MATCH RATING REQUIREMENT OF AREA BEING PENETRATED.
10. COORDINATE WITH OTHER TRADES CUTTING AND PATCHING REQUIRED FOR DEMOLITION OR NEW CONSTRUCTION.
11. ANY DEMOLITION OR REMOVAL INDICATED IS SHOWN IN GENERAL TO PROVIDE THE EXTENT OF DEMOLITION AND IS NOT TO BE CONSIDERED AS A RECORD DRAWING OF EXISTING CONDITIONS. THE CONTRACTOR IS RESPONSIBLE FOR IN FIELD VERIFICATION AND COORDINATION WITH THE ARCHITECT PRIOR TO COMMENCING WITH STATED WORK.
12. ALL CONSTRUCTION TO REMAIN WHICH IS AFFECTED BY DEMOLITION SHALL BE PATCHED, BE PROPERLY ALIGNED AND FINISHED SO AS TO LEAVE NO EVIDENCE OF PATCHING OR REPAIR. REPAIR OR REPLACE ANY EXISTING CONSTRUCTION, MATERIALS, OR EQUIPMENT DAMAGED DURING DEMOLITION TO LIKE NEW CONDITION.
13. THE CONTRACTOR IS TO RETURN SALVAGEABLE MATERIALS, INCLUDING BUT NOT LIMITED TO DOORS, FRAMES, HARDWARE, MARBLE, EQUIPMENT, AND LIGHTING FIXTURES TO THE OWNER AND STOCKPILE THEM IN AN APPROVED CONSTRUCTION AREA. DISPOSE OF THESE MATERIALS AFTER OWNERS REVIEW AND APPROVAL.
14. BUILDING CONTAINS HAZARDOUS MATERIAL SUCH AS ASBESTOS AND LEAD PAINT. CONTRACTOR TO PROVIDE HANGER LOCATIONS IN ADVANCE OF INSTALLATION FOR OWNER TO ABATE HAZARDOUS MATERIAL. SUPPLEMENTAL HAZARDOUS MATERIAL REPORT TO BE PROVIDED FOR REFERENCE AFTER TESTING.
15. TEMPORARILY REMOVE CEILING PANELS, GRID, FIXTURES AND OTHER DEVICES AS NEEDED TO COMPLETE NEW WORK. REINSTALL ONCE SPRINKLER PIPING WORK COMPLETE.

DEMOLITION PLAN SYMBOLS LEGEND

EXISTING WALL PARTITIONS

EXISTING DOOR

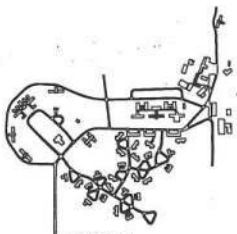
DEMOLISH CEILINGS AND PREPARE FOR NEW CEILINGS

DEMOLISH CEILINGS AND PREPARE FOR NEW CEILINGS

N.C. NO CEILING IN SPACE

KEYNOTES

KEY	NOTE



KEY PLAN

SHIVEHATTERY

(#9279.30) WRC Decentralization Phase 3

1A DAS
901 34TH STREET, WOODWARD, IA 50276

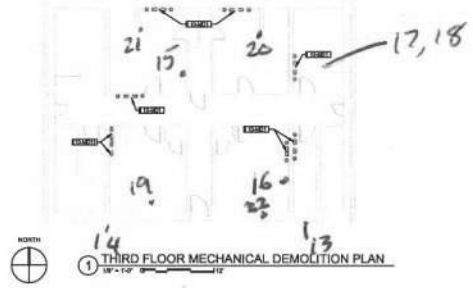
PRELIMINARY - NOT FOR CONSTRUCTION

DRAWN BY	LB, CN, RMS
APPROVED BY	CLH
ISSUED FOR	60% CONSTRUCTION DOCUMENTS
ISSUE DATE	2023-08-31
PROJECT NUMBER	21-022039A
FIELD BOOK	Field Book

FIRST AND SECOND FLOOR DEMO RCPS

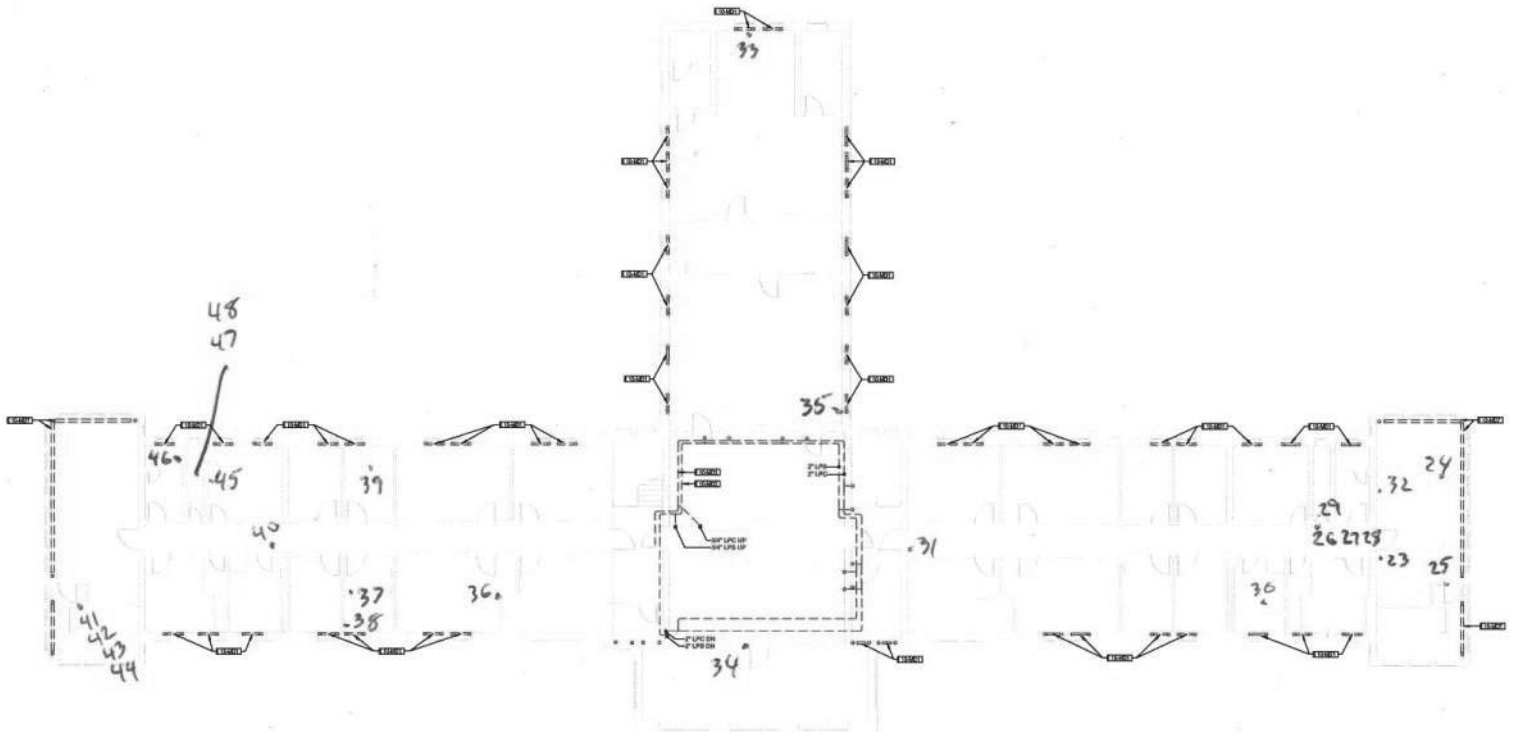
10-AD11

Asbestos Sample Locations



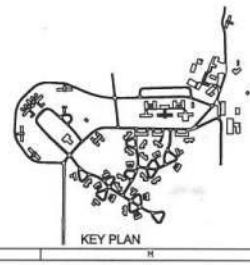
NORTH

1 THIRD FLOOR MECHANICAL DEMOLITION PLAN



NORTH

2 SECOND FLOOR MECHANICAL DEMOLITION PLAN



KEY PLAN

KEYNOTES

KEY	NOTE
10-MD1	REMOVE EXISTING STEAM RADIATORS, ASSOCIATED PIPING, CONTROLS, EXISTING STEAM ENCLOSURE TO BE REUSED WITH NEW HOT WATER FIN TUBE.
10-MD5	REMOVE ALL LOW PRESSURE STEAM PIPING AND INSULATED HANGERS AND FITTINGS.
10-MD6	REMOVE ALL LOW PRESSURE CONDENSATE PIPING AND RELATED HANGERS AND FITTINGS.
10-MD7	REMOVE FLOOR MOUNTED RADIATOR AND ASSOCIATED ENCLOSURE. PREPARE FOR NEW HOT WATER FIN TUBE AND ENCLOSURE TO BE INSTALLED. REPAIR ANY DAMAGE RELATED TO THE DEMOLITION AND INSTALLATION OF NEW HOT WATER FIN TUBE.
10-MD11	ABANDONED STEAM RADIATOR TO BE REMOVED WITH DEMOLITION

SHIVEHATTERY

ARCHITECTURE | INTERIORS | PLANNING

4725 FREEDOM PKWY., SUITE 100
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(#9279.30) WRC Decentralization Phase 3

Iowa Department of Administrative Services
1251 324th St, W Waterloo, IA 50701

PRELIMINARY - NOT FOR CONSTRUCTION

DRAWN BY	LEP
APPROVED BY	TLS
ISSUED FOR	SDR / DD
ISSUE DATE	2025-06-27
PROJECT NUMBER	21-0225500
FIELD BOOK	

SECOND AND THIRD FLOOR MECHANICAL PIPING DEMOLITION PLAN

10-MD02

APPENDIX D

STAFF CERTIFICATIONS

ERIC BROWN

DOB: 05-07-1970

Issued: 02-08-2023



This person is licensed to perform asbestos work in the State of Iowa. ID card is intended for official use only and must be present on jobsite.

License Type	Number	Expires
INSPECTOR	23-9474	02-08-2024

DIVISION OF IOWA LABOR

Asbestos

Larry Johnson, Jr.
Labor Commissioner

APPENDIX E

PHOTOGRAPHS



View of the Elmcrest Building.

1



View of the Asbestos Containing Window Glazing. (E 1, 3% Chrysotile)

2

Photograph Log Elmcrest Building 1251 334th Street Woodward, Iowa	**Atlas Technical Consultants, LLC** 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333



View of the Asbestos Containing Gray Caulk. (E 4, 4% Chrysotile)

3



View of the Asbestos Containing Red Window Glazing. (E 8, 2% Chrysotile)

4

Photograph Log Elmcrest Building 1251 334th Street Woodward, Iowa	**Atlas Technical Consultants, LLC** 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333



View of the Asbestos Containing Window Glazing. (E 9, 4% Chrysotile)

5



View of the Asbestos Containing Black Mastic and Gray Backing.
(E 28, 3% & 25% Chrysotile)

6



View of the Asbestos Containing Black/Yellow Mastic. (E 31, <1% Chrysotile)

7



View of the Asbestos Containing Yellow/Black Mastic. (E 33, <1% Chrysotile)

8



View of the Asbestos Containing Gray Backing (Under Lt Brown Flooring).
(E 41, 20% Chrysotile)

9



View of the Asbestos Containing Gray Backing. (Under Blue Flooring)
(E 54, 15% Chrysotile)

10



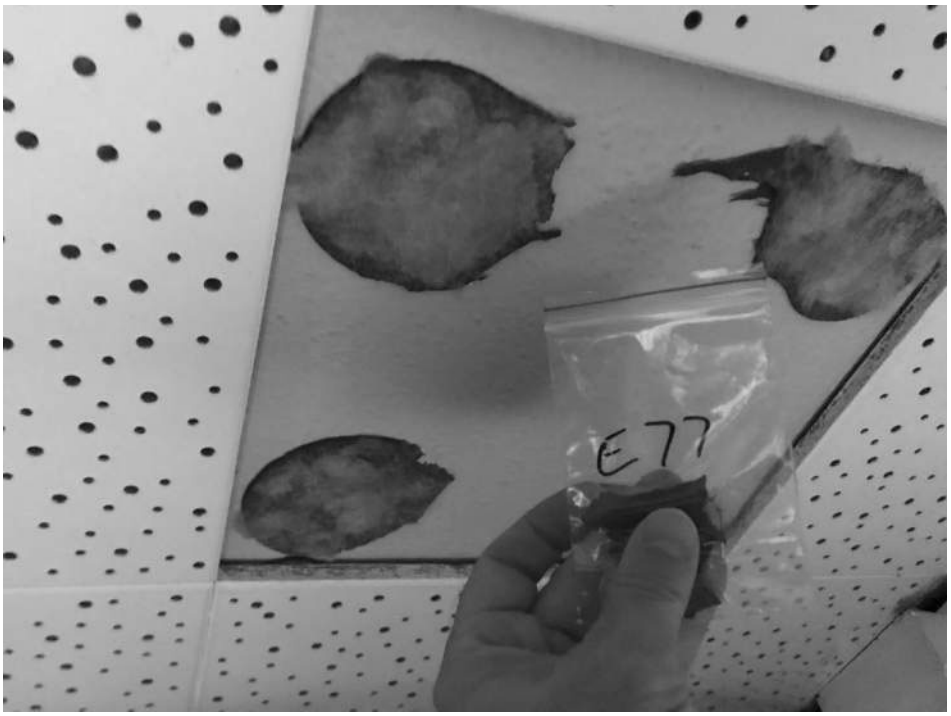
View of the Asbestos Containing Yellow/Brown Mastic & Gray Backing.
(Under Lt Brown Flooring) (E 58, 1% & 25% Chrysotile)

11



View of the Asbestos Containing Black Mastic. (E 72, 4% Chrysotile)

12



View of the Asbestos Containing Brown Pucks. (E 77, 4% Chrysotile)

13



View of the Asbestos Containing Transite Panes. (E 84, 20% Chrysotile)

14



View of the Asbestos Containing TSI Run. (E 93, 15% Amosite & 20% Crocidolite)

15



View of the Asbestos Containing TSI Elbow. (E 94, 20% Chrysotile)

16



View of the Asbestos Containing Caulk. (E 96, 3% Chrysotile)

17



View of the Asbestos Containing TSI Elbow. (E 102, 15% Amosite & 20% Chrysotile)

18



View of the Asbestos Containing TSI Run. (E 103, 10% Amosite & 10% Chrysotile)

19



View of the Asbestos Containing TSI Elbow. (E 104, 85% Chrysotile)

20



View of the Asbestos Containing TSI Run. (E 105, 35% Amosite & 15% Crocidolite)

21



View of the Asbestos Containing TSI Elbow & Texture. (E 108, 55% & 2% Chrysotile)

22



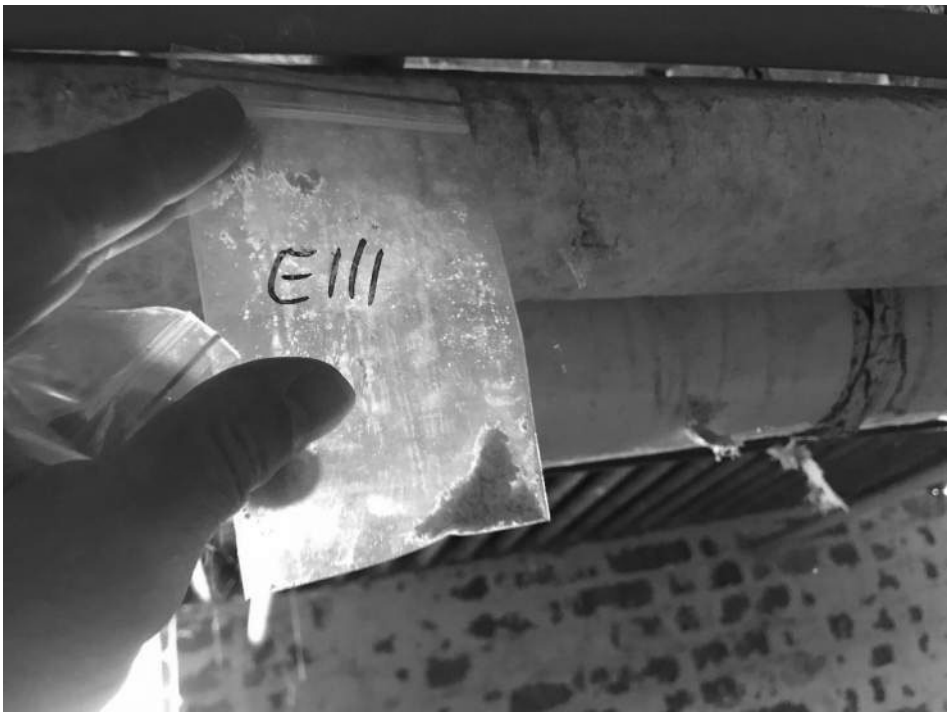
View of the Asbestos Containing TSI Run. (E 109, 30% Amosite & 15% Crocidolite)

23



View of the Asbestos Containing TSI Elbow & Texture. (E 110, 60% & ,1% Chrysotile)

24



View of the Asbestos Containing TSI Run. (E111, 5% Amosite & 35% Crocidolite)

25



View of the Asbestos Containing TSI Run. (E 113, 15% Amosite 30% Crocidolite)

26



View of the Elmcrest Building.

1



View of the White Lead Containing Paint. (PC E 1, 0.48% Pb)

2

Photograph Log Elmcrest Building 1251 334th Street Woodward, Iowa	**Atlas Technical Consultants, LLC** 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333



View of the Dull Green Lead Containing Paint. (PC E 2, 0.15% Pb)

3



View of the Dull Pale Yellowish White Lead Containing Paint. (PC E 3, 0.027% Pb)

4



View of the Yellow Lead Based Paint. (PC E 4, 18% Pb)

5



View of the Light Gray Lead Containing Paint. (PC E 8, 0.012% Pb)

6



View of the Lavender Lead Containing Paint. (PC E 28, 0.059% Pb)

7



View of the Brown Lead Containing Paint. (PC E 30, 0.11% Pb)

8



View of the White Lead Based Paint. (PC E 31, 1.7% Pb)

9



View of the Silver Lead Containing Paint. (PC E 32, 0.22% Pb)

10



View of the Red Lead Based Paint. (PC E 34, 0.79% Pb)

11



View of the Light Green Lead Containing Paint. (PC E 35, 0.36% Pb)

12



View of the Light Green Lead Based Paint. (PC E 36, 16% Pb)

13



View of the White Lead Based Paint. (PC E 37, 28% Pb)

14

HAZARDOUS BUILDING MATERIALS SURVEY REPORT

PREPARED FOR:

Story Construction
2810 Wakefield Circle
Ames, Iowa 50010

PROJECT LOCATION:

Food Services
1251 334th Street
Woodward, Iowa 50276

Project Date: October 6, 2023

Report Date: November 2, 2023

Atlas Project ID: 204BS06333

Atlas Technical Consultants
4503 E 50th Street, Suite 800
Des Moines, IA 50317

November 2, 2023

Story Construction
Mr. Eli Ralston
Project Superintendent
2810 Wakefield Circle
Ames, Iowa 50010

Re: Hazardous Building Materials Survey Report
Food Services
1251 334th Street
Woodward, Iowa 50276
Atlas Project Number: 204BS06333

Atlas is pleased to submit the attached Hazardous Building Materials Survey Report for the above-referenced site. This report includes procedures, methodologies and analytical laboratory results.

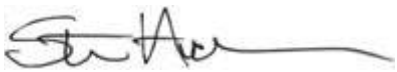
Atlas appreciates the opportunity to perform these services for the IDAS and Story Construction, and we look forward to working with you in the future. If you need any assistance with the implementation of the recommendations contained in this report, please feel free to give us a call at (515) 981-4528 and we will respond promptly to your needs.

Sincerely,

ATLAS TECHNICAL CONSULTANTS, LLC



Eric Brown
Iowa Inspector
(515) 981-4528



Steve Hudson, MS, CIH
Senior Project Manager
(402) 670-3842

T A B L E O F C O N T E N T S

LETTER OF TRANSMITTAL ..... **i**

1.0 SCOPE OF SERVICES **4**

2.0 GENERAL SITE CONDITIONS **4**

3.0 ASBESTOS SURVEY REPORT **4**
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- 3.2 Homogeneous Areas 5
- 3.3 Sampling Strategy 6
- 3.4 Suspect Asbestos-Containing Materials 6
- 3.5 Laboratory Analytical Results 9

4.0 CONCLUSIONS **9**

5.0 ASSUMPTIONS AND LIMITATIONS **12**

APPENDICES

APPENDIX A ASBESTOS TEST RESULTS

APPENDIX B LEAD PAINT TEST RESULTS

APPENDIX C ASBESTOS SAMPLE LOCATIONS

APPENDIX D INSPECTOR ACCREDITATIONS

APPENDIX E PHOTOGRAPHS

HAZARDOUS BUILDING MATERIALS SURVEY REPORT

Food Services
1251 334th Street
Woodward, Iowa 50276
Atlas Project Number: 204BS06333

1.0 SCOPE OF SERVICES

The purpose of this project was to perform a survey for hazardous building materials that may be impacted by planned renovation activities at the above-referenced property.

Atlas provided a representative hazardous materials survey in accordance with the referenced agreement and as outlined below:

1. Review any existing hazardous building material survey reports relating to the site, if available.
2. Identify suspect asbestos-containing materials (ACM), surface coatings potentially containing lead paint, and hazardous building materials within the planned renovation work areas.
3. Collect and analyze bulk samples of suspect asbestos containing materials and collect paint chip samples from representative surface coatings potentially containing lead-based or lead-containing paint.
4. Provide laboratory analysis of collected samples.
5. Provide a report of findings with copies and interpretation of analytical results and identifying the locations of asbestos-containing materials, lead paint, and hazardous building materials.

2.0 GENERAL SITE CONDITIONS

The survey was conducted at the Food Services located at 1251 334th Street in Woodward, Iowa. The survey area was limited to the areas to be disturbed as part of planned renovation activities.

3.0 ASBESTOS SURVEY

On October 6th, 2023, the site located at the Food Services at 1251 334th Street in Woodward, Iowa 50276 was inspected for asbestos-containing building materials by inspector Eric Brown of Atlas. Mr. Brown has completed the requisite training for asbestos accreditation as inspectors at a state approved training provider under TSCA Title II. Mr. Brown's State of Iowa Inspector number is 23-9474.

The planned renovation work areas were visually inspected for the presence of suspect asbestos-containing materials (ACM). Materials that were hidden, not accessible, or when sampled would damage the integrity of the structure, were not sampled as part of this survey. Materials visibly identified as non-asbestos (fibrous glass, foam rubber, wood, etc.) were not sampled. The asbestos survey consisted of three basic steps: **1)** a visual inspection of the proposed work areas; **2)** a determination of homogeneous areas with suspect surfacing, thermal system insulation, and miscellaneous materials; and **3)** sampling accessible, friable and non-friable, suspect materials.

3.1 Regulation Review

The U.S. EPA qualifies asbestos-containing materials (ACM) as materials with an asbestos content greater than 1%. The following definitions are taken from Section 61.141 of Subpart M, Part 61 of Title 40: Protection of Environment of the Code of Federal Regulations (CFR).

- "Category I non-friable asbestos-containing material (ACM)" is defined as asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than 1% asbestos as determined using the method specified in appendix E, subpart E, 40 CFR part 763, section 1, Polarized Light Microscopy (PLM).

- "Category II non-friable ACM" is defined as any material, excluding Category I non-friable ACM, containing more than 1% asbestos as determined using the methods specified in appendix E, subpart E, 40 CFR part 763, section 1, PLM that, when dry, ***cannot*** be crumbled, pulverized, or reduced to powder by hand pressure.

- "Friable asbestos material" is defined as any material containing more than 1% asbestos as determined using the methods specified in appendix E, subpart E, 40 CFR part 763, section 1, PLM that when dry, ***can*** be crumbled, pulverized, or reduced to powder by hand pressure. If the asbestos content is less than 10% as determined by a method other than point counting by PLM, verify the asbestos content by point counting using PLM.

3.2 Homogeneous Areas

Prior to sampling, homogeneous areas were identified in order to facilitate a sampling strategy. A homogeneous sampling area can be described as one or more areas with suspect material similar in appearance and texture that have the same installation date and function. The actual number of samples collected from each

homogeneous sampling area may vary, dependent upon material type and the professional judgment of the inspector.

3.3 Sampling Strategy

The sampling strategy incorporated AHERA requirements, quantities of suspect material, and the inspector's judgment to aid in the identification of suspect asbestos-containing materials. If the analytical results indicated that all the samples collected per homogeneous area did not contain asbestos, then the homogeneous area (material) was considered non-asbestos-containing. However, if the analytical results of one or more of the samples collected per homogeneous area indicated that asbestos was present in quantities greater than one percent asbestos (as defined by EPA), all of the homogeneous area (material) was treated as an asbestos-containing material regardless of any other analytical results. Materials which were visually determined to be non-asbestos (i.e. fibrous glass, foam rubber, etc.) by the accredited inspector were not required to be sampled. Actual collection of a bulk asbestos sample involves physically removing approximately one square inch (1 in^2) of material and placing it in an airtight sample container. Sample containers were marked with a unique identification number, which was documented in the field notes.

3.4 Suspect Asbestos-Containing Materials

The following table contains a list of the sixty (60) identified suspect asbestos containing materials sampled:

TABLE 1A: SUSPECT ASBESTOS MATERIALS

MATERIAL	LOCATION	SAMPLE NUMBER
Ceramic Tile Grout	Dining Room NE	FS-1
Ceramic Tile Grout	Dining Room S	FS-2
Ceramic Tile Grout	Kitchen Wall	FS-3
White Caulk	Restroom Sink	FS-4
Gray Caulk	Restroom	FS-5
Ceiling Tile	Dining Room	FS-6
Dk Brown Mastic	Kitchen	FS-7
Lt Brown Mastic	Kitchen	FS-8
Black Pipe Wrap	Kitchen	FS-9
Vibration Damper	Kitchen	FS-10
Skim Coat	Kitchen Fume Hood	FS-11

TABLE 1A: SUSPECT ASBESTOS MATERIALS		
MATERIAL	**LOCATION**	**SAMPLE NUMBER**
Skim Coat	Dining Room	FS-12
Skim Coat	Receiving E Loading Dock	FS-13
Dk Brown Mastic	Receiving E Loading Dock	FS-14
Ceramic Floor Tile Grout	West Office	FS-15
Brown Caulk	West Office Window	FS-16
Gray Caulk	Dining Room N Door	FS-17
Ceramic Floor Tile Grout	Receiving Floor	FS-18
Terrazzo	Hallway	FS-19
Black Pipe Wrap	Dish Washing	FS-20
Black Pipe Wrap	Dish Washing	FS-21
Tan Flooring	Dish Washing SW	FS-22
Tan Flooring	Dish Washing SE	FS-23
Tan Flooring	Dish Washing NW	FS-24
Ceramic Floor Tile Grout	Office 114	FS-25
Brown Caulk	Dish washing Window	FS-26
White Window Caulk	S Side	FS-27
Window Glazing	S Side	FS-28
Brown Window Caulk	S Side	FS-29
Window Glazing	N Side E Window	FS-30
Brown Window Caulk	N Side	FS-31
Drywall Mud	Office	FS-32
Drywall Mud	Green Stairs	FS-33
Drywall	Dining Room	FS-34
Drywall Mud	Dining Room	FS-35
Acoustical Plaster	Dining Room Ceiling	FS-36
Ceiling Tile	Dining Room	FS-37

TABLE 1A: SUSPECT ASBESTOS MATERIALS		
MATERIAL	**LOCATION**	**SAMPLE NUMBER**
TSI Med	Dining Room	FS-38
TSI Med	Dining Room	FS-39
TSI Sm	Dining Room	FS-40
TSI Lg	Dining Room	FS-41
2'x4' Ceiling Tile	Dish Washing	FS-42
Plaster	Dish Washing Ceiling	FS-43
TSI Sm	Dish Washing	FS-44
Acoustical Plaster	Dish Washing Ceiling	FS-45
Terrazzo	Hallway	FS-46
Terrazzo	Hallway	FS-47
TSI Elbow Lg	E Storage	FS-48
TSI Run Lg	E Storage	FS-49
TSI Elbow Sm	E Storage	FS-50
TSI Run Sm	E Storage	FS-51
TSI Elbow Lg	Storage	FS-52
TSI Run Lg	Storage	FS-53
Plaster	Men's RR	FS-54
TSI Elbow Sm	E Room	FS-55
TSI Run Sm	E Room	FS-56
TSI Elbow Sm	E Room	FS-57
TSI Run Sm	E Room	FS-58
TSI Elbow Lg	E Room	FS-59
TSI Run Lg	E Room	FS-60

The following table is a summary of the suspect asbestos-containing materials that have been determined, through laboratory analysis, to contain asbestos:

TABLE 2: IDENTIFIED ASBESTOS-CONTAINING MATERIALS

MATERIAL	LOCATION	SAMPLE NUMBER	APPROX. QUANTITY	ASBESTOS CONTENT
Window Caulk	3 North side basement level, 2 South side	FS-27	5 Windows	5% Chrysotile
Window Glazing	3 North side basement level, 2 South side	FS-28, 30	5 Windows	2% Chrysotile
Acoustical Plaster	Dining Room Ceiling	FS-36	2,500 SQFT	3% Chrysotile
Acoustical Plaster	Dishwashing Ceiling	FS-45	500 SQFT	3% Chrysotile

SQFT = Square Feet, LF = Linear Feet MF = Mechanical Fittings

3.5 Laboratory Analytical Results

Bulk samples were analyzed by EMSL Analytical, Inc. located at 200 Route 130 North, Cinnaminson, NJ. Polarized Light Microscope analysis, utilizing dispersion staining techniques (ref.: EPA Method 600/M4-82-020), was performed to determine the asbestos content of the bulk samples collected at the site. This laboratory is currently a proficient participant in the American Industrial Hygiene Association (AIHA) Bulk Asbestos Proficiency Analytical Testing Program; a quality assurance program for polarized light microscopy analysis. Any material that contains greater than one percent asbestos is considered an ACM and must be handled according to Occupational Safety and Health Administration (OSHA), EPA, and all applicable state and local regulations.

Laboratory test results are provided in Appendix A.

4.0 LEAD PAINT SURVEY

On October 6th, 2023 the Food Services was inspected for lead paint by Eric Brown of Atlas. The purpose of the survey was to identify locations and concentrations of lead in paints and coatings on interior building components that may be disturbed as part of planned renovation activities.

4.1 Inspection

The lead survey was performed in general accordance with the U.S. Housing and Urban Development Chapter 7 of the *Guidelines for the evaluation and Control of Lead-Based Paint Hazards in Housing* (1997 Revision). Survey criteria included the

inspection and sampling of the representative painted surfaces on the interior of the building.

Regulatory limits from the Housing and Urban Development (HUD) and the Environmental Protection Agency (EPA) establishes that lead-based paint (LBP) by definition is paint that contains more than 0.5% of lead in paint. OSHA's "Lead in Construction Standard" (29 CFR 1926.1101) addresses any concentration of lead in paint ("lead-containing paint").

Prior to demolition or renovation activities, all contractors involved should be notified regarding the presence of painted components under the guidelines of the OSHA Lead in Construction standard 29 CFR 1926.62. Care should be exercised in acknowledging that the OSHA 29 CFR 1926.62 has no LBP threshold definition and is concerned with exposures generated by LBP disturbances, which may include materials containing less than 0.5% lead by weight. The OSHA regulations are based strictly on airborne lead concentrations; therefore, the measured lead concentration of the paint and the method of paint disturbance will both factor into the potential airborne hazard.

OSHA requires the contractor to inform its employees of potential lead hazards, based upon the work being performed. The purpose of OSHA's Lead Construction Standard is to reduce the exposure to lead for all construction workers. It is for this reason that Atlas recommends contractors be informed of the presence of lead. OSHA's standard includes an 8-hour time weighted average (TWA) of 50 micrograms of lead per cubic meter of air (mg/m^3) and an action level (regardless of respirator use) of 30 mg/m^3.

Prior to disposal of debris that contains materials that have been found to contain lead, conduct a Toxicity Characteristic Leaching Procedures (TCLP) on representative solid wastes. This will determine if the debris requires a hazardous waste disposal site. A TCLP was not collected as part of this current inspection.

4.2 Lead Paint Testing

A total of six (6) surface coatings were tested to determine the concentration of lead. The sampling generally involved the collection of the paint on the surface down to the substrate over an area of approximately 2 to 3 square inches. A summary of the tested paints is provided in the table below. In order for a surface coating to be considered a lead-based paint, the paint must contain lead in concentrations greater than 0.5% by weight. A detectable concentration of lead in the surface coating below 0.5% by weight is considered a lead-containing paint. The full copy of the lead analytical results is included in Appendix A.

Lead Paint Sampling Summary				
Sample ID	**Sample Location**	**Representative Material**	**Paint Color**	**Lead Content %**
PC FS 1	Elevator	Metal	Brown	0.29 %
PC FS 2	Stairs	Wall	Lt Green	0.015 %
PC FS 3	Radiators	Metal	Lt Brown-Yellow	0.27 %
PC FS 4	1st Floor	Wall	Off-white	0.23 %
PC FS 5	Basement	Wall	Off-white	0.079 %
PC FS 6	Basement	Wall	White	0.076 %

- Test results did not identify the presence of lead-based paint in any of the samples collected.
- Lead-containing paint was identified in the Brown, Lt Green, Lt Brown-Yellow, Off-white, and White paint samples collected.

This evaluation report can help the Owner develop a plan for renovating the building by having concentrations of lead in the paint identified. It is our understanding that the information in this report will be provided to the contractors so that appropriate precautions can be made to minimize worker exposure to lead. If surface coatings with lead containing paint are handled improperly, exposure could occur to workers and future occupants of the facility.

5.0 HAZARDOUS MATERIALS ASSESSMENT

Atlas completed a visual inspection of rooms / areas throughout the intended work areas in an attempt to identify hazardous wastes or universal wastes that may be impacted by planned renovation activities. The survey included a visual inspection of: light fixtures and other equipment for the presence of Polychlorinated Biphenyls (PCBs); light bulbs, thermostats, switches, and other equipment for the presence of mercury; refrigerants, batteries, and devices with potential radioactive materials.

TABLE 1. HAZARDOUS BUILDING MATERIALS		
Category	**Material**	**Estimated Quantity**
Poly-Chlorinated Biphenyl (PCBs)	Transformers	1 (N of building)
	Transistors	N/A
	Light Ballasts	N/A
Mercury	Thermostats	N/A
	Switches/Relays	N/A
	Fluorescent Light Tubes	262 bulbs
	High Intensity Discharge lights	N/A

TABLE 1. HAZARDOUS BUILDING MATERIALS		
Category	**Material**	**Estimated Quantity**
	Thermometers/ Manometers	N/A
Batteries	Smoke Detectors	20 (electronic)
	Emergency Lighting Systems	N/A
	Exit Signs	10
	Flashing Fire Alarms	8
Chlorofluorocarbons (CFCs) or Hydro Chlorofluorocarbons (HCFCs)	Refrigerators/Freezers/Chillers	8
Low Level Radioactive Sources (LLR)	Smoke/Fire Alarms	N/A

Hazardous materials or universal wastes identified in Table 1 shall be removed as part of the renovation contractor's scope of work and disposed of according to US EPA Toxic Substances Control Act (TSCA) and the State of Iowa regulations.

6.0 CONCLUSIONS

The following conclusions and recommendations are summarized as follows:

- Asbestos was identified in the window caulk and glazing, and in the plaster in the dining room and dishwashing ceilings.
- Asbestos was not identified in the other materials tested.
- Test results did not identify the presence of lead-based paint in any of the samples collected.
- Lead-containing paint was identified in Brown, Lt Green, Lt Brown-Yellow, Off-white, and White paint samples collected.

7.0 ASSUMPTIONS AND LIMITATIONS

The results, findings, conclusions, and recommendations expressed in this report are based solely on conditions noted during the October 6th, 2023, Atlas hazardous building materials survey of the Food Services at 1251 334th Street in Woodward, Iowa.

Atlas did not perform destructive sampling -- it was not within Atlas's scope of work

to remove surface materials to investigate portions of the structure or materials that may lay beneath the surface -- thus, any materials that could not be visually identified on the surface were not inspected and would not be noted in this report. Atlas's selection of sample locations and frequency of sampling was based on the inspector's assumption that like materials in the same area are homogeneous in content.

The report is designed to aid the building owner, architect, construction manager, general contractor, and potential abatement contractor in locating hazardous building materials. Under no circumstances is the report to be utilized as a bidding document or as a project specification document since it does not have all the components required to serve as a Project Design document or an Abatement Work plan.

Our professional services have been performed, our findings obtained, and our conclusions and recommendations prepared in accordance with customary principles and practices in the fields of environmental science and engineering. This statement is in lieu of other statements either expressed or implied. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.

This report is intended for the sole use of the IDAS and Story Construction. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document or the findings, conclusions, or recommendations is at the risk of said user.

APPENDIX A

ASBESTOS TEST RESULTS

EMSL Analytical, Inc.

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Customer ID: ATC55
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Received Date: 10/09/2023 8:45 AM
Analysis Date: 10/12/2023 - 10/13/2023
Collected Date: 10/06/2023

Project: Woodward Food Services / 204BS06333

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
FS-1 *042324217-0001*	Dining Room Cafeteria Wall (NE) - Ceramic Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
FS-2 *042324217-0002*	Dining Room Cafeteria Wall (S) - Ceramic Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
FS-3 *042324217-0003*	Kitchen Wall - Ceramic Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
FS-4 *042324217-0004*	Restroom Sink - White Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
FS-5 *042324217-0005*	Restroom - Gray Caulk	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
FS-6 *042324217-0006*	Cafeteria Dining Room - Ceiling Tile	White Non-Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
FS-7 *042324217-0007*	Kitchen - Dark Brown Mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
FS-8 *042324217-0008*	Kitchen - Light Brown Mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
FS-9 *042324217-0009*	Kitchen - Black Pipe Wrap	Black Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
FS-10 *042324217-0010*	Kitchen - Vibration Damper	Black Fibrous Homogeneous	35% Cellulose	65% Non-fibrous (Other)	None Detected
FS-11 *042324217-0011*	Kitchen Fume Hood - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
FS-12 *042324217-0012*	Cafeteria Dining Room - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
FS-13 *042324217-0013*	Receiving E Loading Dock - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
FS-14 *042324217-0014*	Receiving E Loading Dock - Dark Brown Mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
FS-15 *042324217-0015*	West Office - Ceramic Floor Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
FS-16 *042324217-0016*	West Office Window - Brown Caulk	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
FS-17 *042324217-0017*	Dining Room N Door - Gray Caulk	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
FS-18 *042324217-0018*	Receiving Floor - Ceramic Floor Tile Grout	Gray/Orange Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
FS-19 *042324217-0019*	Hallway - Terrazzo	Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
FS-20 *042324217-0020*	Dishwashing - Black Pipe Wrap	Black Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
FS-21 *042324217-0021*	Dishwashing - Black Pipe Wrap	Black Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
FS-22 *042324217-0022*	Dishwashing SW - Tan Flooring	Tan/Red/Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
FS-23 *042324217-0023*	Dishwashing SE - Tan Flooring	Tan/Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
FS-24 *042324217-0024*	Dishwashing NW - Tan Flooring	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
FS-25 *042324217-0025*	Office 114 - Ceramic Floor Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
FS-26 *042324217-0026*	Dishwashing Window - Brown Caulk	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
FS-27-Glazing *042324217-0027*	S. Side - White Window Caulk	White Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
FS-27-Glazing 2 *042324217-0027A*	S. Side - Glazing	Brown/Gray Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
FS-28 *042324217-0028*	S. Side - Window Glazing	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
FS-29 *042324217-0029*	S. Side - Brown Window Caulk	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
FS-30 *042324217-0030*	N Side E Window - Window Glazing	White Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
FS-31 *042324217-0031*	N Side - Brown Window Caulk	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
FS-32 *042324217-0032*	Office - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
FS-33 *042324217-0033*	Green Stairs - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
FS-34 *042324217-0034*	Dining Room - Drywall	Brown/White Fibrous Homogeneous	15% Cellulose 5% Glass	80% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
FS-35 *042324217-0035*	Dining Room - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
FS-36-Plaster *042324217-0036*	Dining Room Ceiling - Plaster	Gray Fibrous Homogeneous		5% Perlite 92% Non-fibrous (Other)	3% Chrysotile
FS-36-Skim Coat *042324217-0036A*	Dining Room Ceiling - Skim Coat	White Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
FS-37 *042324217-0037*	Dining Room - Ceiling Tile	Gray/White Fibrous Homogeneous	35% Cellulose 45% Min. Wool	20% Non-fibrous (Other)	None Detected
FS-38-Insulation *042324217-0038*	Dining Room - TSI MED	Yellow Fibrous Homogeneous	95% Glass	5% Non-fibrous (Other)	None Detected
FS-38-Wrap *042324217-0038A*	Dining Room - TSI MED	White/Silver Fibrous Homogeneous	35% Cellulose 15% Glass	50% Non-fibrous (Other)	None Detected
FS-39-Insulation *042324217-0039*	Dining Room - TSI MED	Yellow Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
FS-39-Wrap *042324217-0039A*	Dining Room - TSI MED	Tan/White/Silver Fibrous Homogeneous	30% Cellulose 10% Glass	60% Non-fibrous (Other)	None Detected
FS-40-Insulation *042324217-0040*	Dining Room - TSI SM	Yellow Fibrous Homogeneous	95% Glass	5% Non-fibrous (Other)	None Detected
FS-40-Wrap *042324217-0040A*	Dining Room - TSI SM	White Fibrous Homogeneous	80% Glass	20% Non-fibrous (Other)	None Detected
FS-41-Insulation *042324217-0041*	Dining Room - TSI LG	Yellow Fibrous Homogeneous	90% Glass	10% Non-fibrous (Other)	None Detected
FS-41-Wrap *042324217-0041A*	Dining Room - TSI LG	Brown/White Fibrous Homogeneous	75% Glass	25% Non-fibrous (Other)	None Detected
FS-42 *042324217-0042*	Dishwashing - 2'x4' Ceiling Tile	Gray/White Fibrous Homogeneous	30% Cellulose 55% Min. Wool	15% Non-fibrous (Other)	None Detected
FS-43-Plaster *042324217-0043*	Dishwashing Ceiling - Plaster	White Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
FS-43-Skim Coat *042324217-0043A*	Dishwashing Ceiling - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
FS-44-Insulation *042324217-0044*	Dishwashing - TSI SM	Yellow Fibrous Homogeneous	95% Glass	5% Non-fibrous (Other)	None Detected
FS-44-Wrap *042324217-0044A*	Dishwashing - TSI SM	Gray/Silver Fibrous Homogeneous	30% Cellulose 15% Glass	55% Non-fibrous (Other)	None Detected
FS-45-Plaster *042324217-0045*	Dishwashing Ceiling - Plaster	Gray Fibrous Homogeneous		5% Perlite 92% Non-fibrous (Other)	3% Chrysotile
FS-45-Skim Coat *042324217-0045A*	Dishwashing Ceiling - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
FS-46 *042324217-0046*	Hallway - Terrazzo	Gray/Red/Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
FS-47 *042324217-0047*	Hallway - Terrazzo	Gray/Red/Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
FS-48 *042324217-0048*	E. Storage - TSI Elbow LG	Gray/White Fibrous Homogeneous	35% Min. Wool	65% Non-fibrous (Other)	None Detected
FS-49-Insulation *042324217-0049*	E. Storage - TSI Run Lg	Yellow Fibrous Homogeneous	95% Glass	5% Non-fibrous (Other)	None Detected
FS-49-Wrap *042324217-0049A*	E. Storage - TSI Run Lg	Tan Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
FS-50-Insulation *042324217-0050*	E. Storage - TSI Elbow SM	Gray Fibrous Homogeneous	90% Glass	10% Non-fibrous (Other)	None Detected
FS-50-Wrap *042324217-0050A*	E. Storage - TSI Elbow SM	White Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
FS-51-Insulation *042324217-0051*	E. Storage - TSI Run SM	Yellow Fibrous Homogeneous	85% Glass	15% Non-fibrous (Other)	None Detected
FS-51-Wrap *042324217-0051A*	E. Storage - TSI Run SM	White Non-Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
FS-52-Insulation *042324217-0052*	Storage - TSI Elbow Lg	Gray Fibrous Homogeneous	35% Min. Wool	65% Non-fibrous (Other)	None Detected
FS-52-Wrap *042324217-0052A*	Storage - TSI Elbow Lg	Tan Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
FS-53-Insulation *042324217-0053*	Storage - TSI Run Lg	Yellow Fibrous Homogeneous	95% Glass	5% Non-fibrous (Other)	None Detected
FS-53-Wrap *042324217-0053A*	Storage - TSI Run Lg	Tan Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
FS-54 *042324217-0054*	Mens RR - Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
FS-55-Insulation *042324217-0055*	E Room - TSI Elbow SM	Gray Fibrous Homogeneous	35% Min. Wool	65% Non-fibrous (Other)	None Detected
FS-55-Wrap *042324217-0055A*	E Room - TSI Elbow SM	Tan Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
FS-56-Insulation *042324217-0056*	E Room - TSI Run SM	Yellow Fibrous Homogeneous	95% Glass	5% Non-fibrous (Other)	None Detected
FS-56-Wrap *042324217-0056A*	E Room - TSI Run SM	Tan Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
FS-57-Insulation *042324217-0057*	E Room - TSI Elbow SM	Gray Fibrous Homogeneous	35% Min. Wool	65% Non-fibrous (Other)	None Detected

Initial report from: 10/13/2023 16:13:59

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 042324217
Customer ID: ATC55
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
FS-57-Wrap *042324217-0057A*	E Room - TSI Elbow SM	Tan Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
FS-58-Insulation *042324217-0058*	E Room - TSI Run SM	Yellow Fibrous Homogeneous	95% Glass	5% Non-fibrous (Other)	None Detected
FS-58-Wrap *042324217-0058A*	E Room - TSI Run SM	Tan Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
FS-59-Insulation *042324217-0059*	E Room - TSI Elbow Lg	Gray/White Fibrous Homogeneous	80% Min. Wool	20% Non-fibrous (Other)	None Detected
FS-59-Wrap *042324217-0059A*	E Room - TSI Elbow Lg	Tan/White Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
FS-60-Insulation *042324217-0060*	E Room - TSI Run Lg	Yellow Fibrous Homogeneous	90% Glass	10% Non-fibrous (Other)	None Detected
FS-60-Wrap *042324217-0060A*	E Room - TSI Run Lg	Tan/White Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected

Analyst(s)

Andrea Doughty (22)
Alex Francois (43)
Cory Caragiulo (15)

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 “Interim Method”) but augmented with procedures outlined in the 1993 (”final”) version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA LAP, LLC-IHLAP Lab 100194, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from: 10/13/2023 16:13:59

OrderID: 042324217

Asbestos Chain of Custody (Air, Bulk, Soil)

EMSL Order Number / Lab Use Only

042324217

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077

PHONE: (800) 220-3675
EMAIL: CinnAslab@EMSL.com

EMSL ANALYTICAL, INC. • PRODUCTS • TRAINING

If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization.

Customer Information		Billing Information	
Customer ID:		Billing ID:	
Company Name:	Atlas	Company Name:	Atlas
Contact Name:		Billing Contact:	
Street Address:	11117 Mockingbird Drive	Street Address:	11117 Mockingbird Drive
City, State, Zip:	Omaha, NE, 68137	City, State, Zip:	Omaha, NE, 68137
Country:		Country:	
Phone:	402-697-9747	Phone:	402-697-9747
Email(s) for Report:		Email(s) for Invoice:	

Project Information

Project Name/No:	WOODWARD FOOD SERVICES 204 BSO6333	Purchase Order:	
EMSL LIMS Project ID: (If applicable, EMSL will provide)		US State where samples collected:	State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)
Sampled By Name:	ERIC BROWN	Sampled By Signature:	Eric Brown
No. of Samples in Shipment	60		

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 4-4.5 Hour AHERA ONLY ☐ 6 Hour ☐ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☒ 1 Week ☐ 2 Week

TEM Air 3-6 Hour, please call ahead to schedule. 32 Hour TAT available for select tests only; samples must be submitted by 11:30 am.

Test Selection

PCM Air
- ☐ NIOSH 7400
- ☐ NIOSH 7400 w/ 8hr. TWA

PLM - Bulk (reporting limit)
- ☒ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)
- ☐ POINT COUNT
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- POINT COUNT w/ GRAVIMETRIC
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- ☐ NIOSH 9002 (<1%)
- ☐ NYS 198.1 (Friable - NY)
- ☐ NYS 198.6 NOB (Non-Friable - NY)
- ☐ NYS 198.8 (Vermiculite SM-V)

TEM - Air
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312*

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (Non-Friable-NY)
- ☐ TEM EPA 600/R-93/116 w Milling Prep (0.1%)

Other Test (please specify)

TEM - Settled Dust
- ☐ Microvac - ASTM D5755
- ☐ Wipe - ASTM D6480
- ☐ Qualitative via Filtration Prep
- ☐ Qualitative via Drop Mount Prep

Soil - Rock - Vermiculite (reporting limit)*
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.25%)
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM Qualitative via Filtration Prep
- ☐ TEM Qualitative via Drop Mount Prep

*Please call with your project-specific requirements.

☐ Positive Stop - Clearly Identified Homogeneous Areas (HA) | Filter Pore Size (Air Samples) ☐ 0.8um ☐ 0.45um

Sample Number	Sample Location / Description	Volume, Area or Homogeneous Area	Date / Time Sampled (Air Monitoring Only)
	SEE ATTACHED		
	SHEETS		

RECEIVED EMSL CINNAMINSON, N.J. 2023 OCT -9 A 10:09

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by: Eric Brown	Date/Time: 10/6/2023 18:00	Received by: EFX	Date/Time: 10/9/23 8:45 AM
Relinquished by:	Date/Time:	Received by:	Date/Time:

Controlled Document - COC-05 Asbestos R16 10/26/2021

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

60 AV

Page 1 of

ASBESTOS BULK SAMPLE FORM

ATLAS
11117 Mockingbird Drive
Omaha, NE 68137
Phone (402) 697-9747
Fax (402) 597-8532

042324217

Project Information

Client:	Project Description: WOODWARD	Project Manager: SH Inspector: EB
Date: 10/6/2023	Site Location: FOOD SERVICES	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
FS-1	CERAMIC TILE GROUT	1	DINING ROOM CAFETERIA WALL (NE)	
FS-2	CERAMIC TILE GROUT	1	DINING ROOM CAFETERIA WALL (S)	
FS-3	CERAMIC TILE GROUT	1	KITCHEN WALL	
FS-4	WHITE CAULK	1	RESTROOM SINK	
FS-5	GRAY CAULK	1	RESTROOM	
FS-6	CEILING TILE	1	CAFETERIA DINING ROOM	
FS-7	DK BROWN MASTIC	1	KITCHEN	
FS-8	LT BROWN MASTIC	1	KITCHEN	
FS-9	BLACK PIPE WRAP	1	KITCHEN	
FS-10	VIBRATION DAMPER	1	KITCHEN	
FS-11	SKIM COAT	1	KITCHEN FUME HOOD	
FS-12	SKIM COAT	1	CAFETERIA DINING ROOM	
FS-13	SKIM COAT	1	RECEIVING & LOADING DOCK	

RECEIVED
EMSL
CINNAMINSON, N.J.
2023 OCT -9 A 10:09

ASBESTOS BULK SAMPLE FORM

ATLAS
11117 Mockingbird Drive
Omaha, NE 68137
Phone (402) 697-9747
Fax (402) 597-8532

Project Information 042324217

Client:	Project Description: WOODWARD	Project Manager: SH Inspector: EB
Date: 10/6/2023	Site Location: FOOD SERVICES	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
FS-14	DK BROWN MASTIC	1	RECEIVING E LOADING DOCK	
FS-15	CERAMIC FLOORTILE GROUT	1	WEST OFFICE	
FS-16	BROWN CAULK	1	WEST OFFICE WINDOW	
FS-17	GRAY CAULK	1	DINING ROOM N. DOOR	
FS-18	CERAMIC FLOOR TILE GROUT	1	RECEIVING FLOOR	
FS-19	TERRAZZO	1	HALLWAY	
FS-20	BLACK PIPE WRAP	1	DISH WASHING	
FS-21	BLACK PIPE WRAP	1	DISH WASHING	
FS-22	TAN FLOORING	1	DISH WASHING SW	
FS-23	TAN FLOORING	1	DISH WASHING SE	
FS-24	TAN FLOORING	1	DISH WASHING NW	
FS-25	CERAMIC FLOORTILE GROUT	1	OFFICE 114	
FS-26	BROWN CAULK	1	DISH WASHING WINDOW	

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EMSL
CINNAMINSON, N.J.
2023 OCT -9 A 10:09

ASBESTOS BULK SAMPLE FORM

ATLAS
11117 Mockingbird Drive
Omaha, NE 68137
Phone (402) 697-9747
Fax (402) 597-8532

Project Information

042324217

Client:	Project Description: WOODWARD	Project Manager: SH Inspector: EB
Date: 10/4/2023	Site Location: FOOD SERVICES	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
FS-27	WHITE WINDOW CAULK	1	S. SIDE	
FS-28	WINDOW GLAZING	1	S. SIDE	
FS-29	BROWN WINDOW CAULK	1	S. SIDE	
FS-30	WINDOW GLAZING	B	N. SIDE E. WINDOW	
FS-31	BROWN WINDOW CAULK	1	N. SIDE	
FS-32	DRY WALL MUD	1	OFFICE	
FS-33	DRYWALL MUD	1/B	GREEN STAIRS	
FS-34	DRYWALL	1	DINING ROOM	
FS-35	DRYWALL MUD	1	DINING ROOM	
FS-36	PLASTER	1	DINING ROOM CEILING	
FS-37	CEILING TILE	1	DINING ROOM	
FS-38	TSI MED	1	DINING ROOM	
FS-39	TSI MED	1	DINING ROOM	

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ASBESTOS BULK SAMPLE FORM

ATLAS
11117 Mockingbird Drive
Omaha, NE 68137
Phone (402) 697-9747
Fax (402) 597-8532

Project Information 042324217

Client:	Project Description: WOODWARD	Project Manager: SH Inspector: EB
Date: 10/6/2023	Site Location: FOOD SERVICES	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
FS-40	TSI sm	1	DINING ROOM	
FS-41	TSI Lg	1	DINING ROOM	
FS-42	2'x4' CEILING TILE	1	DISH WASHING	
FS-43	PLASTER	1	DISH WASHING CEILING	
FS-44	TSI sm	1	DISH WASHING	
FS-45	PLASTER	1	DINING ROOM CEILING	
FS-46	TERRAZZO	1	HALLWAY	
FS-47	TERRAZZO	1	HALLWAY	
FS-48	TSI ELBOW Lg	B	E STORAGE	
FS-49	TSI RUN Lg	B	E STORAGE	
FS-50	TSI ELBOW Sm	B	E STORAGE	
FS-51	TSI RUN sm	B	E STORAGE	
FS-52	TSI ELBOW Lg	B	STORAGE	

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2023 OCT -9 A 10:09

ASBESTOS BULK SAMPLE FORM

ATLAS
11117 Mockingbird Drive
Omaha, NE 68137
Phone (402) 697-9747
Fax (402) 597-8532

Project Information 042324217

Client:	Project Description: WOODWARD	Project Manager: SH Inspector: EB
Date: 10/6/2023	Site Location: FOOD SERVICES	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
FS-53	TSI RUN Lg	B	STORAGE	
FS-54	PLASTER	B	MENS RR	
FS-55	TSI ELBOW Sm	B	E ROOM	
FS-56	TSI RUN Sm	B	E ROOM	
FS-57	TSI ELBOW Sm	B	E ROOM	
FS-58	TSI RUN Sm	B	E ROOM	
FS-59	TSI ELBOW Lg	B	E ROOM	
FS-60	TSI RUN Lg	B	E ROOM	

RECEIVED
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CINNAMINSON, N.J.
2023 OCT -9 A 10:09

APPENDIX B

LEAD PAINT TEST RESULTS

EMSL Analytical, Inc.
706 Gralin Street, Kernersville, NC 27284
Phone/Fax: (336) 992-1025 / (336) 992-4175
http://www.EMSL.com kernersvillelab@emsl.com

EMSL Order:	022306997
CustomerID:	ATC55
CustomerPO:	204B506333
ProjectID:	

Attn: **Eric Mueggenberg**
Atlas Technical
11117 Mockingbird Drive
Omaha, NE 68137

Phone:	(402) 697-9747
Fax:	(402) 597-8532
Received:	10/10/2023 09:00 AM
Collected:	10/6/2023

Project: **WOODWARD FOOD SERVICES 204B506333**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	*Collected*	*Analyzed*	*Weight*	*RDL*	*Lead* ***Concentration***
PC FS-1 *022306997-0001*	10/6/2023	10/13/2023	.3286 g	0.0080 % wt	0.29 % wt
PC FS-2 *022306997-0002*	10/6/2023	10/13/2023	.269 g	0.0080 % wt	0.015 % wt
PC FS-3 *022306997-0003*	10/6/2023	10/13/2023	.3001 g	0.0080 % wt	0.27 % wt
PC FS-4 *022306997-0004*	10/6/2023	10/13/2023	.2788 g	0.0080 % wt	0.23 % wt
PC FS-5 *022306997-0005*	10/6/2023	10/13/2023	.2868 g	0.0080 % wt	0.079 % wt
PC FS-6 *022306997-0006*	10/6/2023	10/13/2023	.3192 g	0.0080 % wt	0.076 % wt

James Cole

James Cole, Laboratory Manager
or other approved signatory

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* Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.
Samples analyzed by EMSL Analytical, Inc. Kernersville, NC AIHA LAP, LLC-ELLAP Accredited #102564

Initial report from 10/16/2023 15:06:49

OrderID: 022306997

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Lead Chain of Custody

EMSL Order Number / Lab Use Only

022306997

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077

PHONE: (800) 220-3675
EMAIL: CinnaminsonLeadLab@emsl.com

Customer Information		Billing Information	
Customer ID:	ATC55	Billing ID:	ATC55
Company Name:	Atlas Technical Consultants LLC	Company Name:	Atlas Technical Consultants LLC
Contact Name:	Eric Mueggenberg	Billing Contact:	Eric Mueggenberg
Street Address:	11117 Mockingbird Drive	Street Address:	11117 Mockingbird Drive
City, State, Zip:	Omaha, NE 68137	City, State, Zip:	Omaha, NE 68137
Country:	US	Country:	US
Phone:	515-981-4528	Phone:	515-981-4528
Email(s) for Report:	eric.mueggenberg@oneatlas.com	Email(s) for Invoice:	Sally.Schmitz@oneatlas.com

Project Information

Project Name/No.:	WOODWARD FOOD SERVICES 204B506333	Purchase Order:	
EMSL LIMS Project ID. (If applicable, EMSL will provide)		US State where samples collected:	State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)
Sampled By Name:	ERIC BROWN	Sampled By Signature:	Eric Brown
No. of Samples in Shipment:	6		

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☒ 1 Week ☐ 2 Week

Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only; samples must be submitted by 11:30am

MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
CHIPS ☒ % by wt. ☐ ppm (mg/kg) ☐ mg/cm²	SW 846-7000B	Flame Atomic Absorption	0.008% (80ppm)	☒
*Reporting Limit based on a minimum 0.25g sample weight	SW 846-6010D*	ICP-OES	0.0004% (4ppm)	☐
AIR	NIOSH 7082	Flame Atomic Absorption	4µg/filter	☐
	NIOSH 7300M / NIOSH 7303M	ICP-OES	0.5µg/filter	☐
	NIOSH 7300M / NIOSH 7303M	ICP-MS	0.05µg/filter	☐
WIPE ☐ ASTM ☐ NON-ASTM	SW 846-7000B	Flame Atomic Absorption	10µg/wipe	☐
*If no box is checked, non-ASTM Wipe is assumed	SW 846-6010D*	ICP-OES	1.0µg/wipe	☐
TCLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
SPLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
TTLC	22 CCR App II, 7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
STLC	22 CCR App II, 7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
Soil	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
Wastewater	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
Unpreserved / Preserved with HNO3 ☐ PH<2	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	☐
Drinking Water	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	☐
Unpreserved / Preserved with HNO3 ☐ PH<2	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	☐
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	☐
Other:				☐

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
PC FS-1	ELEVATOR BROWN		10/6/2023
PC FS-2	LT. GREEN STAIRS		
PC FS-3	LT. BROWN-YELLOW RADIATORS		
PC FS-4	OFF WHITE	1ST FLOOR	
PC FS-5	OFF WHITE	BASEMENT	

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by: Eric Brown	Date/Time: 10/6/2023 18:00	Received by: EFX ID: 09-23	Date/Time: 11:00
Relinquished by:	Date/Time:	Received by: JS	Date/Time: 10/10/23 9am

Controlled Document - COC-25 Lead R16 4/19/2021

*6010C Available Upon Request

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

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6 of 2

EFX 7967 1803 4288

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Lead Chain of Custody

EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077

PHONE: (800) 220-3675
EMAIL: CinnaminsonLeadLab@emsl.com

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
PC 1F5-C	WHITE	BASEMENT	10/6/2023

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by:	Date/Time	Received by:	Date/Time
Relinquished by:	Date/Time:	Received by:	Date/Time

Controlled Document - COC-25 Lead R16 4/1/2021

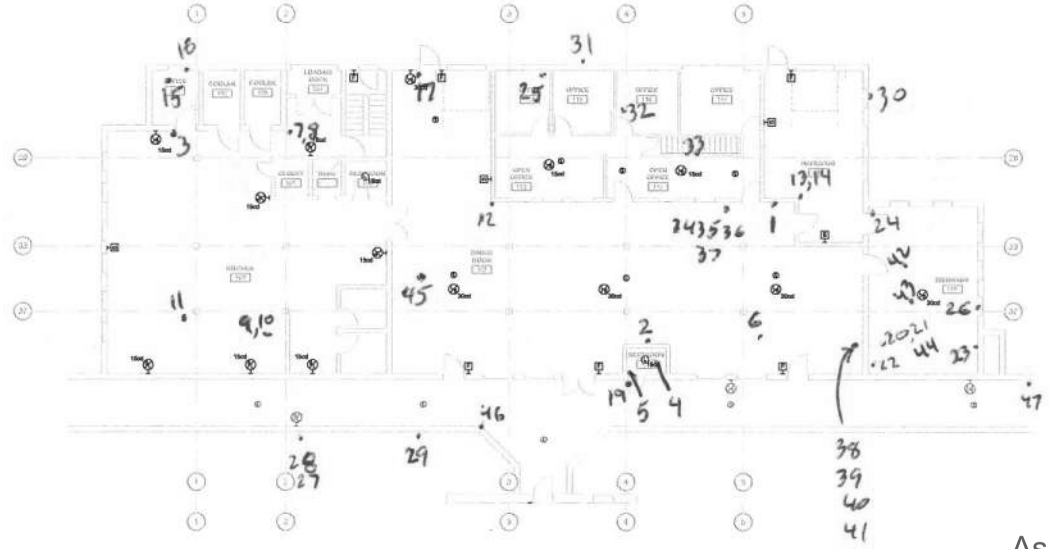
☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

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APPENDIX C

ASBESTOS SAMPLE LOCATIONS

KEYNOTES	
KEY	NOTE



NORTH

B5 FIRST FLOOR - SYSTEMS PLAN

Asbestos Sample Locations



KEY PLAN

SHIVEHATTERY
ARCHITECTURE | INTERIORS | PLANNING

(#9294.01) WRC Fire Alarm Phase 2

Iowa Department of Administrative Services
1251 334th St, Woodward, IA 50276

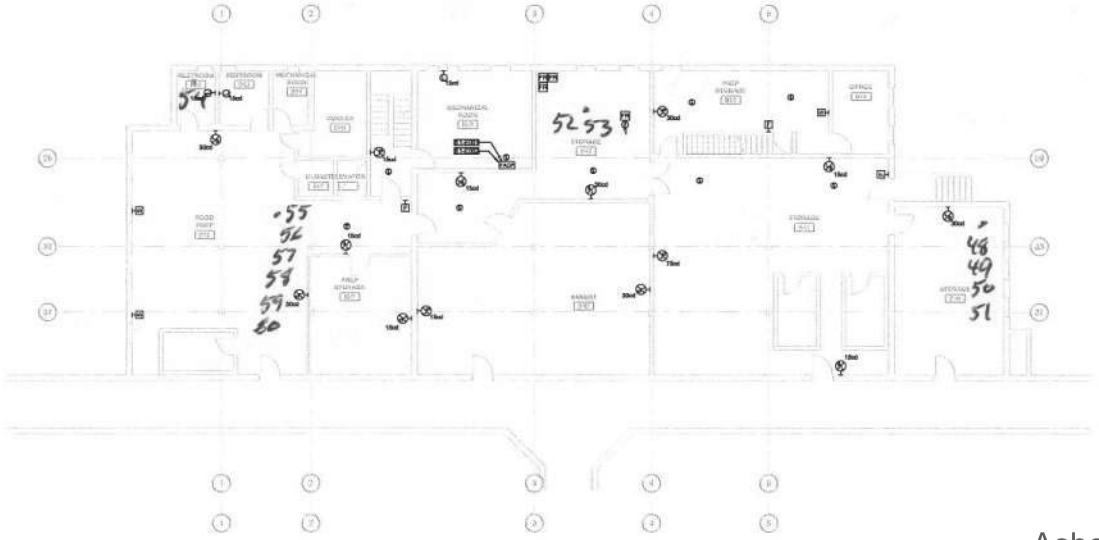
PRELIMINARY - NOT FOR CONSTRUCTION

DRAWN BY	KD
APPROVED BY	KS
ISSUED FOR	90% CD
ISSUE DATE	2023-04-21
PROJECT NUMBER	21-0220.00
FILE NOCK	

FIRST FLOOR SYSTEMS PLAN

11-E301

KEYNOTES	
KEY	NOTE
11-E061	FIRE ALARM CONTROL PANEL TO FEED BOTH FOOD SERVICE AND ELMHORST.
11-E062	EXTEND CIRCUIT FROM EXISTING FACP TO NEW CAP. REUSE EXISTING MULTI-MODE FIBER TO CONNECT NEW FACP.



NORTH

B5 BASEMENT LEVEL - SYSTEMS PLAN

Asbestos Sample Locations



SHIVEHATTERY

(#9294.01) WRC Fire Alarm Phase 2

Iowa Department of Administrative Services
1231 324th St, Woodward, IA 50276

PRELIMINARY - NOT FOR CONSTRUCTION

DRAWN BY	PJD
APPROVED BY	KJK
ISSUED FOR	SPK CD
ISSUE DATE	2025.09.11
PROJECT NUMBER	31420009M
FIELD BOOK	

BASEMENT LEVEL SYSTEM PLAN

11-E300

APPENDIX D

STAFF CERTIFICATIONS

ERIC BROWN

DOB: 05-07-1970

Issued: 02-08-2023



This person is licensed to perform asbestos work in the State of Iowa. ID card is intended for official use only and must be present on jobsite.

License Type	Number	Expires
INSPECTOR	23-9474	02-08-2024

DIVISION OF IOWA LABOR

Asbestos

Larry Johnson, Jr.
Labor Commissioner

APPENDIX E

PHOTOGRAPHS



View of the Food Services Building.

1



View of the Asbestos Containing Window Caulk. (FS-27, 5% Chrysotile)

2

Photograph Log Food Services Building 1251 334th Street Woodward, Iowa	**Atlas Technical Consultants, LLC** 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333



View of the Asbestos Containing Window Glazing. (FS-28, 2% Chrysotile)

3



View of the Asbestos Containing Window Glazing. (FS-30, 3% Chrysotile)

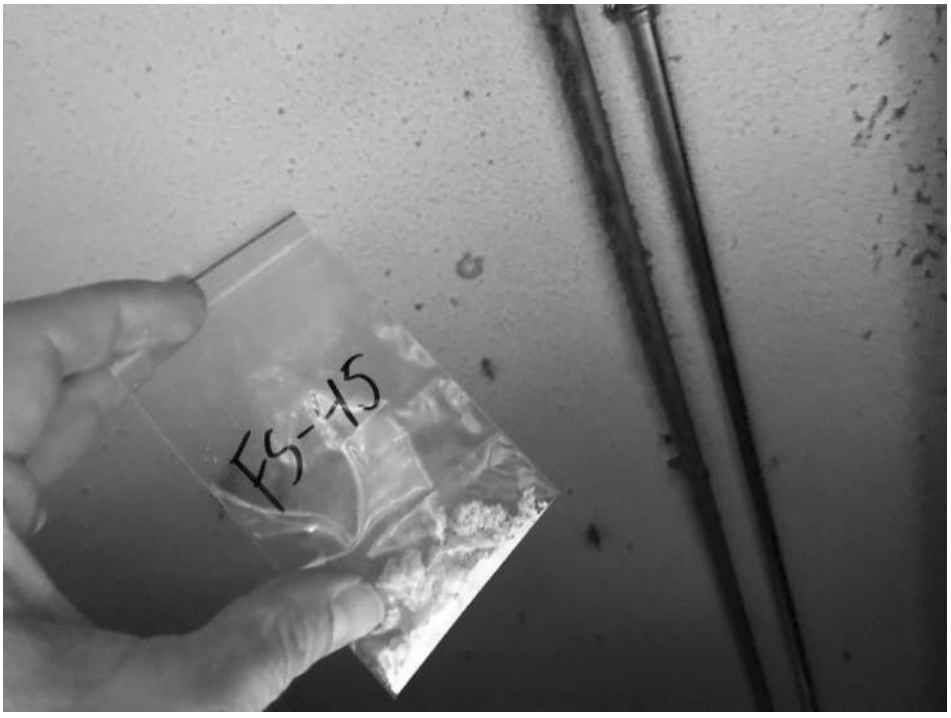
4

Photograph Log Food Services Building 1251 334th Street Woodward, Iowa	**Atlas Technical Consultants, LLC** 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333



View of the Asbestos Containing Acoustical Plaster. (FS-36, 3% Chrysotile)

5



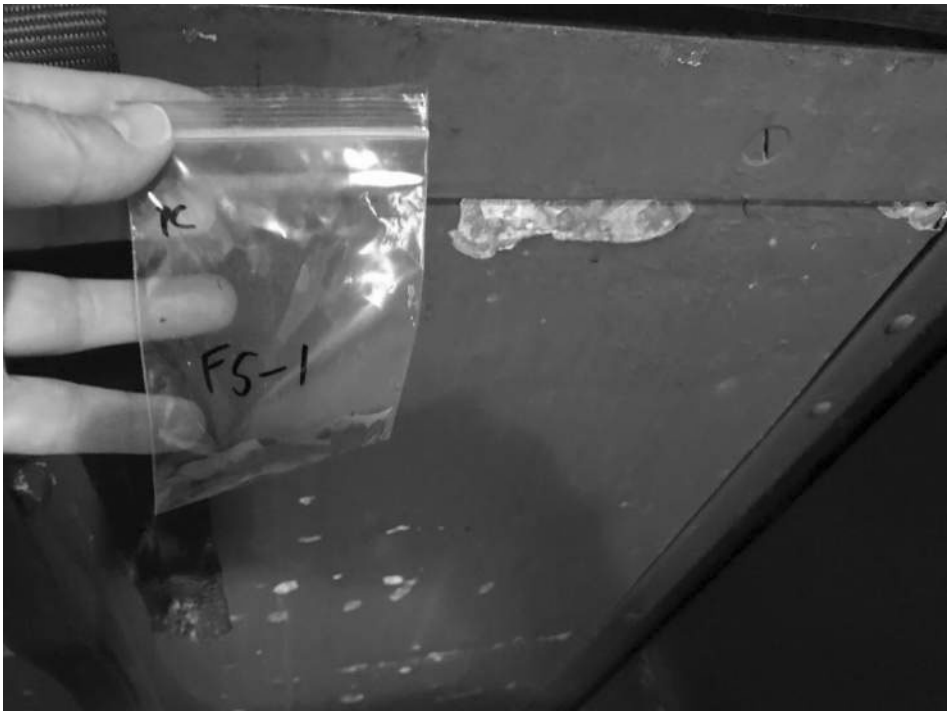
View of the Asbestos Containing Acoustical Plaster. (FS-45, 3% Chrysotile)

6



View of the Food Services Building.

1



View of the Brown Lead Containing Paint. (PC FS 1, 0.29% Pb)

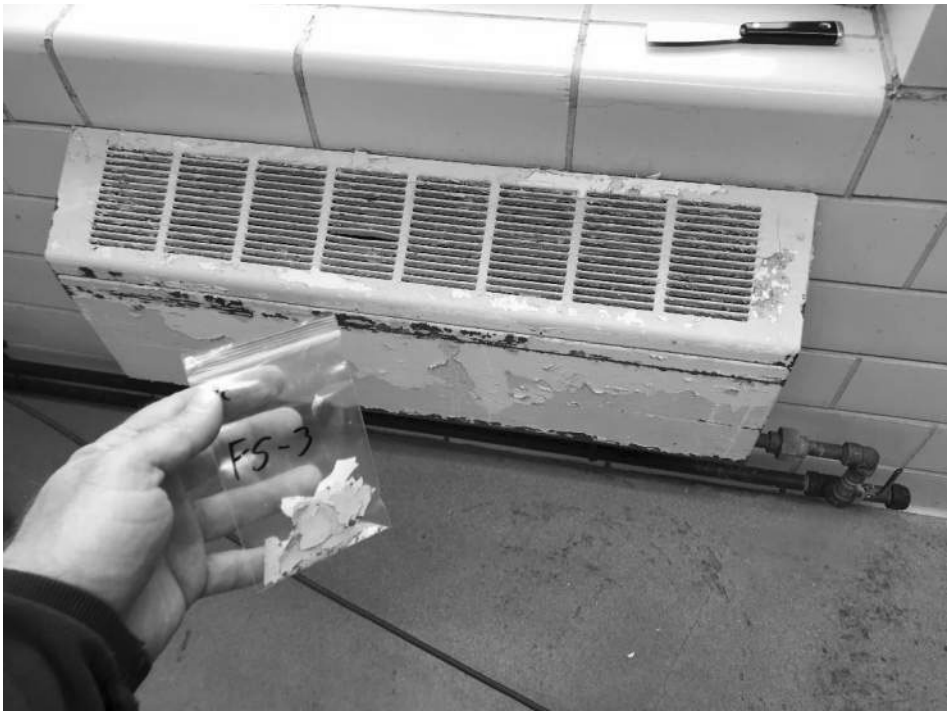
2

Photograph Log Food Services Building 1251 334th Street Woodward, Iowa	**Atlas Technical Consultants, LLC** 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333



View of the Light Green Lead Containing Paint. (PC FS 2, 0.015% Pb)

3



View of the Light Brown-Yellow Lead Containing Paint. (PC FS 3, 0.27% Pb)

4



View of the Off-white Lead Containing Paint. (PC FS 4, 0.23% Pb)

5



View of the Off-white Lead Containing Paint. (PC FS 5, 0.079% Pb)

6



View of the White Lead Containing Paint. (PC FS 6, 0.076% Pb)

7

HAZARDOUS BUILDING MATERIALS SURVEY REPORT

PREPARED FOR:

Story Construction
2810 Wakefield Circle
Ames, Iowa 50010

PROJECT LOCATION:

Medical Center
1251 334th Street
Woodward, Iowa 50276

Project Dates: January 3, 2022; November 17, 2022; May 17, 2023, & October 4, 2023

Report Date: November 9, 2023

Atlas Project ID: 204BS06333

Atlas Technical Consultants
4503 E 50th Street, Suite 800
Des Moines, IA 50317

November 9, 2023

Story Construction
Mr. Eli Ralston
Project Superintendent
2810 Wakefield Circle
Ames, Iowa 50010

Re: Hazardous Building Materials Survey Report
Medical Center
1251 334th Street
Woodward, Iowa 50276
Atlas Project Number: 204BS06333

Atlas is pleased to submit the attached Hazardous Building Materials Survey Report for the above-referenced site. This report includes procedures, methodologies and analytical laboratory results.

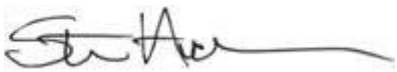
Atlas appreciates the opportunity to perform these services for the IDAS and Story Construction, and we look forward to working with you in the future. If you need any assistance with the implementation of the recommendations contained in this report, please feel free to give us a call at (515) 981-4528 and we will respond promptly to your needs.

Sincerely,

ATLAS TECHNICAL CONSULTANTS, LLC



Eric Brown
Iowa Inspector
(515) 981-4528



Steve Hudson, MS, CIH
Senior Project Manager
(402) 670-3842

T A B L E O F C O N T E N T S

LETTER OF TRANSMITTAL ..... **i**

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APPENDICES

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APPENDIX B LEAD PAINT TEST RESULTS

APPENDIX C ASBESTOS SAMPLE LOCATIONS

APPENDIX D INSPECTOR ACCREDITATIONS

APPENDIX E PHOTOGRAPHS

H A Z A R D O U S B U I L D I N G M A T E R I A L S S U R V E Y R E P O R T

Medical Center
1251 334th Street
Woodward, Iowa 50276
Atlas Project Number: 204BS06333

1.0 SCOPE OF SERVICES

The purpose of this project was to perform a survey for hazardous building materials that may be impacted by planned renovation activities at the above-referenced property.

Atlas provided a representative hazardous building materials survey in accordance with the referenced agreement and as outlined below:

1. Review any and incorporate any existing hazardous building material survey reports relating to the site, if available.
2. Identify suspect asbestos-containing materials (ACM), surface coatings potentially containing lead paint, and hazardous building materials within the planned renovation work areas.
3. Collect and analyze bulk samples of suspect asbestos containing materials and collect paint chip samples from representative surface coatings potentially containing lead-based or lead-containing paint.
4. Provide laboratory analysis of collected samples.
5. Provide a report of findings with copies and interpretation of analytical results and identifying the locations of asbestos-containing materials, lead paint, and hazardous building materials.

2.0 GENERAL SITE CONDITIONS

Four separate surveys (January 3, 2022, November 17, 2022, May 17, 2023, and October 8, 2023) were conducted at the Medical Center located at 1251 334th Street in Woodward, Iowa.

3.0 ASBESTOS SURVEY

On January 3, 2022, November 17, 2022, May 17, 2023, and October 8, 2023, the Medical Center at 1251 334th Street in Woodward, Iowa 50276 was inspected for asbestos-containing building materials by inspectors Eric Brown, Doug Sayer, and Eric Mueggenberg of Atlas. All three have completed the requisite training for asbestos accreditation as inspectors at a state approved training provider under

TSCA Title II. Mr. Brown's, Mr. Sayer's, and Mr. Mueggenberg's State of Iowa Inspector numbers are 23-9474, 22-7850, and 21-5776, respectively.

The planned renovation work areas were visually inspected for the presence of suspect asbestos-containing materials (ACM). Materials that were hidden, not accessible, or when sampled would damage the integrity of the structure, were not sampled as part of this survey. Materials visibly identified as non-asbestos (fibrous glass, foam rubber, wood, etc.) were not sampled. The asbestos survey consisted of three basic steps: **1)** a visual inspection of the proposed work areas; **2)** a determination of homogeneous areas with suspect surfacing, thermal system insulation, and miscellaneous materials; and **3)** sampling accessible, friable and non-friable, suspect materials.

3.1 Regulation Review

The U.S. EPA qualifies asbestos-containing materials (ACM) as materials with an asbestos content greater than 1%. The following definitions are taken from Section 61.141 of Subpart M, Part 61 of Title 40: Protection of Environment of the Code of Federal Regulations (CFR).

- "Category I non-friable asbestos-containing material (ACM)" is defined as asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than 1% asbestos as determined using the method specified in appendix E, subpart E, 40 CFR part 763, section 1, Polarized Light Microscopy (PLM).

- "Category II non-friable ACM" is defined as any material, excluding Category I non-friable ACM, containing more than 1% asbestos as determined using the methods specified in appendix E, subpart E, 40 CFR part 763, section 1, PLM that, when dry, ***cannot*** be crumbled, pulverized, or reduced to powder by hand pressure.

- "Friable asbestos material" is defined as any material containing more than 1% asbestos as determined using the methods specified in appendix E, subpart E, 40 CFR part 763, section 1, PLM that when dry, ***can*** be crumbled, pulverized, or reduced to powder by hand pressure. If the asbestos content is less than 10% as determined by a method other than point counting by PLM, verify the asbestos content by point counting using PLM.

3.2 Homogeneous Areas

Prior to sampling, homogeneous areas were identified in order to facilitate a sampling strategy. A homogeneous sampling area can be described as one or more areas with suspect material similar in appearance and texture that have the same installation date and function. The actual number of samples collected from each homogeneous sampling area may vary, dependent upon material type and the professional judgment of the inspector.

3.3 Sampling Strategy

The sampling strategy incorporated AHERA requirements, quantities of suspect material, and the inspector's judgment to aid in the identification of suspect asbestos-containing materials. If the analytical results indicated that all the samples collected per homogeneous area did not contain asbestos, then the homogeneous area (material) was considered non-asbestos-containing. However, if the analytical results of one or more of the samples collected per homogeneous area indicated that asbestos was present in quantities greater than one percent asbestos (as defined by EPA), all of the homogeneous area (material) was treated as an asbestos-containing material regardless of any other analytical results. Materials which were visually determined to be non-asbestos (i.e. fibrous glass, foam rubber, etc.) by the accredited inspector were not required to be sampled. Actual collection of a bulk asbestos sample involves physically removing approximately one square inch (1 in^2) of material and placing it in an airtight sample container. Sample containers were marked with a unique identification number, which was documented in the field notes.

3.4 Suspect Asbestos-Containing Materials

The following tables contain a list of the one hundred sixty-four (164) identified suspect asbestos containing materials sampled:

TABLE 1A: SUSPECT BUILDING MATERIALS

(JANUARY 3, 2022 SITE VISIT)

MATERIAL	LOCATION	SAMPLE NUMBER
6" Black Cove Base	Throughout	MC-1
Cove Base Mastic	Throughout	MC-2
Blue Laminate Flooring	Room 257	MC-3
Tan Mastic	Throughout	MC-4
Floor Leveling Compound	Throughout	MC-5
Tan Duct Sealant	Throughout	MC-6

TABLE 1A: SUSPECT BUILDING MATERIALS (JANUARY 3, 2022 SITE VISIT)		
MATERIAL	**LOCATION**	**SAMPLE NUMBER**
2' x 2' Ceiling Tile	Throughout	MC-7
White Window Glazing	Windows	MC-8
White Terrazzo	Throughout	MC-9
White Sink Insulation	Room 263	MC-10
White Caulk	Throughout	MC-11
Drywall Mud	Throughout	MC-12A, B, C, D, E
Gray Ceramic Tile Grout	Restrooms	MC-13
12" x 12" Brown Vinyl Floor Tile	Room 268	MC-14
Tan VFT Mastic	Room 268	MC-15
Terrazzo Janitor Sink	Room 268	MC-16
TSI Duct Wrap, Foil over Paper	Throughout	MC-17A, B, C
Gray Ceramic Tile Grout	Restrooms	MC-18
Gray Sink Insulation	Room 237	MC-19
Vibration Damper	Attic	MC-20
White Duct Wrap	Attic	MC-21
Roof Gypsum	Attic	MC-22
Fireproof Caulk	3rd Floor Utility Room	MC-23
Brick Mortar	Attic	MC-24
TSI 2" Pipe, Foil over Paper	Throughout	MC-25A, B, C
Tan Carpet Mastic	2nd Floor	MC-26
Gray Ceramic Tile Grout	Restrooms	MC-27
Plaster	Throughout	MC-28A, B, C, D, E
Skim Coat	Throughout	MC-29A, B, C, D, E
Tan, Brittle Linoleum	Room 244	MC-30
Dark Tan Mastic	Room 244	MC-31
Tan, Pliable Linoleum	Room 244	MC-32
Tan Mastic	Room 244	MC-33
Black Sink Insulation	Room 232	MC-34

TABLE 1A: SUSPECT BUILDING MATERIALS (JANUARY 3, 2022 SITE VISIT)		
MATERIAL	**LOCATION**	**SAMPLE NUMBER**
9” x 9” VFT	Basement and 2nd Floor	MC-35
Brown VFT Mastic	Basement and 2nd Floor	MC-36
Linoleum	Rooms 233 and 239	MC-37
Linoleum Mastic	Rooms 233 and 239	MC-38
Dark Red Terrazzo	Throughout	MC-39
2’ x 2’ Ceiling Tile	Throughout	MC-40
Red Terrazzo, Repair Patches	Throughout	MC-41
Black Sink Insulation	Room 134	MC-42
Drywall Tape	Throughout	MC-43
Drywall	Throughout	MC-44
Floor Leveling Compound	Basement	MC-45
Floor Leveling Compound	Basement	MC-46
Black VFT Mastic	Basement	MC-47
9” x 9” Brown VFT	Basement	MC-48
TSI 1” Pipe	Throughout	MC-49A, B, C
TSI ½” Pipe	Throughout	MC-50A, B, C
9” x 9” Gray-Beige VFT	Throughout	MC-51
Black VFT Mastic	Throughout	MC-52
TSI 1” Elbow	Throughout	MC-53A, B, C
TSI ½” Elbow	Throughout	MC-54A, B, C
TSI 2” Pipe	Throughout	MC-55A, B, C
TSI Aircell	Basement	MC-56A, B, C
Vibration Damper	Basement Mechanical Room	MC-57
Window Glazing	Windows	MC-58
Gray Blown Insulation	Basement	MC-59A, B, C
Floor Surfacing	Basement	MC-60
Black Tar	Basement Tunnel Entrance	MC-61

TABLE 1B: SUSPECT BUILDING MATERIALS (NOVEMBER 18, 2022 SITE VISIT)		
MATERIAL	**LOCATION**	**SAMPLE NUMBER**
9" x 9" VFT Beige	Basement Room B09	WRC-1
VFT Mastic Black	Basement Room B09	WRC-2
Insulation	Basement Room B09	WRC-3
Fireproof Caulk Red	Basement	WRC-4
Black Cove Base 4"	Basement	WRC-5
Brown Cove Base Mastic	Basement	WRC-6
Terrazzo	First Floor	WRC-7
Plaster	First Floor	WRC-8
Skim Coat	First Floor	WRC-9
2' x 4' Ceiling Tile	First Floor	WRC-10
1' x 1' Ceiling Tile	First Floor	WRC-11
Ceiling Pucks Brown	First Floor	WRC-12
Decorative Plaster	First Floor	WRC-13
Terrazzo	Second Floor	WRC-14
2' x 4' Ceiling Tile	Second Floor	WRC-15
Plaster	Second Floor	WRC-16
Skim Coat	Second Floor	WRC-17
Textured Paint	Third Floor	WRC-18
Pyrobar block	Third Floor	WRC-19
Brick Mortar	Third Floor	WRC-20
Terrazzo	Third Floor	WRC-21

TABLE 1C: SUSPECT BUILDING MATERIALS (MAY 17, 2023 SITE VISIT)		
MATERIAL	**LOCATION**	**SAMPLE NUMBER**
Window Caulk White	Medical Center N	WRC MC-1
Window Caulk White	Medical Center S	WRC MC-2
Window Caulk White	Medical Center W	WRC MC-3

TABLE 1D: SUSPECT ASBESTOS MATERIALS (OCTOBER 4, 2023 SITE VISIT)		
MATERIAL	**LOCATION**	**SAMPLE NUMBER**
Skim Coat	Basement	MC 1
CMU Mortar	Basement	MC 2
Ceiling Tile	Basement	MC 3
Drywall	Basement	MC 4
Drywall Mud	Basement	MC 5
TSI Run Med	Basement Chilled H2O Supply	MC 6
TSI Run Med	Basement Steam Supply	MC 7
TSI Run Med	Basement	MC 8
Vibration Damper	Basement	MC 9
Fireproof Caulk	Basement	MC 10
TSI Sm	Basement	MC 11
TSI Sm	Basement	MC 12
TSI Sm	Basement	MC 13
Blue Vinyl Flooring, Stair treads	Basement Stairs	MC 14
4” Black Cove Base	Basement Stairs	MC 15
Drywall Mud	1st Floor	MC 16
Floor Tile Grout	1st Floor	MC 17
4” Black Cove Base	1st Floor	MC 18
Cove Base Mastic	1st Floor	MC 19
Drywall	1st Floor	MC 20
White Caulk	1st Floor Restrooms	MC 21
2’ x 2’ Ceiling Tile	1st Floor	MC 22
Blue Vinyl Flooring	1st Floor NE Corner of Hallway	MC 23

TABLE 1D: SUSPECT ASBESTOS MATERIALS (OCTOBER 4, 2023 SITE VISIT)		
MATERIAL	**LOCATION**	**SAMPLE NUMBER**
2' x 2' Ceiling Tile	1st Floor Breakroom	MC 24
Sink Insulation	1st Floor Utility Room	MC 25
12" x 12" VFT Tan	1st Floor Kitchen	MC 26
VFT Mastic Yellow	1st Floor Kitchen	MC 27
VFT Mastic Yellow	1st Floor	MC 28
White Caulk	1st Floor Restroom	MC 29
Blue Vinyl Flooring	1st Floor	MC 30
Drywall	1st Floor	MC 31
White Caulk	1st Floor	MC 32
Drywall Brown	1st Floor Janitor Room	MC 33
2' x 2' Ceiling Tile	1st Floor Janitor Room	MC 34
White Sink Insulation	1st Floor West Utility Room	MC 35
Drywall & Joint Compound	1st Floor Janitor Room	MC 36
Joint Compound	1st Floor	MC 37
Drywall White	1st Floor West Utility Room	MC 38
Drywall Mud	1st Floor	MC 39
Tan Floor Tile Grout	1st Floor Oxygen Storage Room	MC 40
Tan Floor Tile Grout	1st Floor Shower Room	MC 41

TABLE 1D: SUSPECT ASBESTOS MATERIALS (OCTOBER 4, 2023 SITE VISIT)		
MATERIAL	**LOCATION**	**SAMPLE NUMBER**
Drywall Mud	1st Floor Entrance	MC 42
Dark Brown Mastic	1st Floor Entrance	MC 43

The following tables are a summary of the suspect asbestos-containing materials that have been determined, through laboratory analysis, to contain asbestos:

TABLE 2A: IDENTIFIED ASBESTOS-CONTAINING MATERIALS (JANUARY 3, 2022 SITE VISIT)				
MATERIAL	**LOCATION**	**SAMPLE NUMBER**	**APPROX. QUANTITY**	**ASBESTOS CONTENT**
Blue Laminate Flooring	Room 257	MC-3	600 SQFT	3% Chrysotile
Tan Duct Sealant	Throughout	MC-6	200 Joints	2% Chrysotile
White Window Glazing	Windows	MC-8,58	140 MF	2% Anthophyllite 2-3% Chrysotile
Drywall Mud	Throughout	MC-12A, B, C, D, E	Throughout	2% Chrysotile
Gray Sink Insulation	Room 237	MC-19	4 sinks	5% Chrysotile
9” x 9” Brown and gray/beige with pink, white, blue, brown VFT	Basement	MC-48, MC-51	3,000 SQFT	3-5% Chrysotile
TSI Elbow	Throughout	MC-53A, B, C	~1,400 MF	2% Chrysotile
TSI 2” Pipe	Throughout	MC-55A, B, C	600 LF	10-20% Amosite 5% Chrysotile
TSI Aircell	Basement	MC-56A, B, C	700 LF	40-65% Chrysotile
SQFT = Square Feet, LF = Linear Feet MF = Mechanical Fittings				

TABLE 2B: IDENTIFIED ASBESTOS-CONTAINING MATERIALS (FROM NOVEMBER 18, 2022 SITE VISIT)				
MATERIAL	**LOCATION**	**SAMPLE NUMBER**	**APPROX. QUANTITY**	**ASBESTOS CONTENT**
9" x 9" VFT	Basement – Room B09	WRC-1	450 SQFT	5% Chrysotile
Cove Base Mastic	Basement	WRC-6	100 LF	3% Chrysotile
Brown Ceiling Pucks	First Floor	WRC-12	120 SQFT	3% Chrysotile
SQFT = Square Feet, LF = Linear Feet MF = Mechanical Fittings				

TABLE 2C. IDENTIFIED ASBESTOS CONTAINING MATERIALS (MAY 17, 2023 SITE VISIT)				
MATERIAL	**LOCATION**	**SAMPLE NUMBER**	**APPROX. QUANTITY**	**ASBESTOS CONTENT**
Exterior Window Caulking (White)	Exterior Windows Throughout	WRC-MC-1	Throughout	5% Chrysotile Asbestos
Exterior Window Caulking (White)		WRC-MC-2		ND
Exterior Window Caulking (White)		WRC-MC-2		5% Chrysotile Asbestos

TABLE 2D: IDENTIFIED ASBESTOS-CONTAINING MATERIALS (OCTOBER 4, 2023 SITE VISIT)				
MATERIAL	**LOCATION**	**SAMPLE NUMBER**	**APPROX. QUANTITY**	**ASBESTOS CONTENT**
TSI Run Med Size (Mastic on TSI)	Basement Steam Supply	MC 7, MC 8	50 LF	4% Chrysotile
Blue Vinyl Flooring, Treads	Basement Stairs	MC 14	60 SQFT	3% Chrysotile
Blue Vinyl Flooring	1st Floor Predominant throughout	MC 23, MC 30	5,000 SQFT	3% Chrysotile

TABLE 2D: IDENTIFIED ASBESTOS-CONTAINING MATERIALS (OCTOBER 4, 2023 SITE VISIT)				
MATERIAL	**LOCATION**	**SAMPLE NUMBER**	**APPROX. QUANTITY**	**ASBESTOS CONTENT**
Sink Insulation	1st Floor Utility Room	MC 25	1 Sink	15% Chrysotile
White Bathroom Sink Caulk	1st Floor Toilet Rooms (3 ea.)	MC 32	28 LF	<1% Chrysotile
White Sink Insulation	1st Floor West Utility Room	MC 35	1 Sink	8% Chrysotile
SQFT = Square Feet, LF = Linear Feet MF = Mechanical Fittings				

3.5 Laboratory Analytical Results

Bulk samples were analyzed by EMSL Analytical, Inc.. Polarized Light Microscope analysis, utilizing dispersion staining techniques (ref.: EPA Method 600/M4-82-020), was performed to determine the asbestos content of the bulk samples collected at the site. This laboratory is currently a proficient participant in the American Industrial Hygiene Association (AIHA) Bulk Asbestos Proficiency Analytical Testing Program; a quality assurance program for polarized light microscopy analysis. Any material that contains greater than one percent asbestos is considered an ACM and must be handled according to Occupational Safety and Health Administration (OSHA), EPA, and all applicable state and local regulations.

Laboratory test results are provided in Appendix A.

4.0 LEAD PAINT SURVEY

On January 3, 2022, November 18, 2022, and October 4th, 2023 the Medical Center was inspected for lead paint by Eric Brown, Doug Sayer, and Eric Mueggenberg of Atlas. The purpose of the survey was to identify locations and concentrations of lead in paints and coatings on interior building components that may be disturbed as part of planned renovation activities.

4.1 Inspection

The lead survey was performed in general accordance with the U.S. Housing and Urban Development Chapter 7 of the *Guidelines for the evaluation and Control of Lead-Based Paint Hazards in Housing* (1997 Revision). Survey criteria included the inspection and sampling of the representative painted surfaces on the interior of the building.

Regulatory limits from the Housing and Urban Development (HUD) and the

Environmental Protection Agency (EPA) establishes that lead-based paint (LBP) by definition is paint that contains more than 0.5% of lead in paint. OSHA's "Lead in Construction Standard" (29 CFR 1926.1101) addresses any concentration of lead in paint ("lead-containing paint").

Prior to demolition or renovation activities, all contractors involved should be notified regarding the presence of painted components under the guidelines of the OSHA Lead in Construction standard 29 CFR 1926.62. Care should be exercised in acknowledging that the OSHA 29 CFR 1926.62 has no LBP threshold definition and is concerned with exposures generated by LBP disturbances, which may include materials containing less than 0.5% lead by weight. The OSHA regulations are based strictly on airborne lead concentrations; therefore, the measured lead concentration of the paint and the method of paint disturbance will both factor into the potential airborne hazard.

OSHA requires the contractor to inform its employees of potential lead hazards, based upon the work being performed. The purpose of OSHA's Lead Construction Standard is to reduce the exposure to lead for all construction workers. It is for this reason that Atlas recommends contractors be informed of the presence of lead. OSHA's standard includes an 8-hour time weighted average (TWA) of 50 micrograms of lead per cubic meter of air (mg/m^3) and an action level (regardless of respirator use) of 30 mg/m^3.

Prior to disposal of debris that contains materials that have been found to contain lead, conduct a Toxicity Characteristic Leaching Procedures (TCLP) on representative solid wastes. This will determine if the debris requires a hazardous waste disposal site. A TCLP was not collected as part of this current inspection.

4.2 Lead Paint Testing

A total of seventy (70) surface coatings were tested to determine the concentration of lead. The sampling generally involved the collection of the paint on the surface down to the substrate over an area of approximately 2 to 3 square inches; and/or XRF analysis. A summary of the tested paints is provided in the table below. In order for a surface coating to be considered a lead-*based* paint, the paint must contain lead in concentrations greater than 0.5% by weight, 1.0 mg/cm^2, or 5,000 ppm dependent on test method). A detectable concentration of lead below these concentration is considered a lead-*containing* paint. The full copy of the lead analytical results is included in Appendix A.

LEAD PAINT SAMPLING SUMMARY (JANUARY 3, 2022 SITE VISIT)				
Sample ID	**Sample Location**	**Representative Material**	**Paint Color**	**Lead Content (mg/cm^2)**
1	Room 254	Metal	Brown	0.1

LEAD PAINT SAMPLING SUMMARY (JANUARY 3, 2022 SITE VISIT)				
Sample ID	**Sample Location**	**Representative Material**	**Paint Color**	**Lead Content (mg/cm^2)**
2	Room 254	Metal	Brown	0.2
3	Room 254	Metal	Yellow	0.2
4	Room 254	Metal	White	5.9
5	Room 254	Metal	White	2.0
6	Room 254	Metal	Gray	0.1
7	Room 256	Plaster	White	0.3
8	Room 256	Metal	Brown	0.2
9	Room 259	Plaster	White	0.3
10	Room 259	Metal	Beige	0.2
11	Room 254	Drywall	Purple-Beige	0.1
12	Room 254	Plaster	Gray	0.8
13	Room 254	Metal	White	0.1
14	Room 228-243	Metal	Brown	0.2
15	Room 228-243	Metal	Brown	0.2
16	Room 247	Plaster	Orange	0.1
17	Room 247	Metal	Very Lt Tan	1.9
18	Room 244	Plaster	Orange	0.6
19	Room 243	Plaster	Off-white	0.4
20	Room 241	Plaster	Off-white	13.4
21	Room 241	Plaster	Orange	0.3
22	Room 233	Plaster	Off-white	0.2
23	Room 233	Plaster	Off-white	1.2
24	Room 228	Metal	White	9.6
25	Room 228	Metal	Brown	0.4
26	Room 212	Plaster	Off-white over Green	0.4
27	Room 208	Plaster	Red	0.6
28	Room 207	Plaster	Yellow	17.3
29	Room 307	Plaster	Green	0.1
30	Room 313	Concrete	Brown	0.1
31	Room 313	Wood	Brown	0.0
32	Room 314	Concrete	Green	0.3
33	Room 306	Plaster	Blue	0.5
34	Room 306	Metal	Blue	1.0
35	Room 306	Metal	Very Lt Tan	0.2
36	Room 306	Metal	Very Lt Tan	0.2
37	Room 146	Plaster	Yellow	0.1
38	Room 146	Metal	Gray	0.1
39	Room 148	Plaster	Pink over Orange	17.3
40	Room 168	Drywall	White	0.0
41	Room 173	Drywall	Lt Green	0.1
42	Elevator	Metal	Tan	0.0
43	Room B24	Plaster	White	0.4
44	Room B24	CMU	Beige	0.2
45	Entryway	Plaster	Off-white	0.3
46	Entryway	Metal	Black	0.0
47	Entryway	Metal	Black	0.1

LEAD PAINT SAMPLING SUMMARY (JANUARY 3, 2022 SITE VISIT)				
Sample ID	**Sample Location**	**Representative Material**	**Paint Color**	**Lead Content (mg/cm^2)**
48	Staff Breakroom	Plaster	Lt Blue	0.2
49	Staff Breakroom	Brick	White/Blue	0.3
50	Restroom	Metal	Lt Blue	0.1
51	Restroom	Metal	Dk Blue	0.2
52	Restroom	Metal	Dk Blue	0.1
53	Room 128	Drywall	Purple	0.0
54	Room 131	Metal	Beige	0.1
55	Restroom	Plaster	Purple	0.3
56	Room 119	Plaster	Maroon	0.3
57	Room 119	Plaster	Pink	0.2
58	Maintenance Room	Concrete	Lt Tan	0.2
59	Maintenance Room	Metal	Black	0.2
60	N Stairway	Plaster	White	17.9

LEAD PAINT SAMPLING SUMMARY (NOVEMBER 18, 2022 SITE VISIT)			
MATERIAL	**LOCATION**	**SAMPLE NUMBER**	**LEAD (ppm)**
White Paint on Celling	Basement	PC WRC-1	480
White Paint on Celling	First Floor	PC WRC-2	3,200
White Paint on Ceiling	Second Floor	PC WRC-3	770
White Paint on Ceiling	Third Floor	PC WRC-4	98

LEAD PAINT SAMPLING SUMMARY (OCTOBER 4, 2023 SITE VISIT)				
Sample ID	**Sample Location**	**Representative Material**	**Paint Color**	**Lead Content %**
PC MC 1	Basement	Concrete Wall	White	<0.0080 %
PC MC 2	Basement	Drywall Wall	White	<0.0080 %
PC MC 3	Basement	Metal Door Frame	Black	<0.015 %
PC MC 4	1st Floor	Wall	Lt Peach	<0.0080 %
PC MC 5	1st Floor	Wall	Lt Blue	<0.0080 %
PC MC 6	1st Floor	Wall	Dk Blue	<0.0080 %

This evaluation report can help the Owner develop a plan for renovating the building by having concentrations of lead in the paint identified. It is our

understanding that the information in this report will be provided to the contractors so that appropriate precautions can be made to minimize worker exposure to lead. If surface coatings with lead containing paint are handled improperly, exposure could occur to workers and future occupants of the facility.

5.0 HAZARDOUS MATERIALS ASSESSMENT

Atlas completed a visual inspection of rooms / areas throughout the intended work areas in an attempt to identify hazardous wastes or universal wastes that may be impacted by planned renovation activities. The survey included a visual inspection of: light fixtures and other equipment for the presence of Polychlorinated Biphenyls (PCBs); light bulbs, thermostats, switches, and other equipment for the presence of mercury; refrigerants, batteries, and devices with potential radioactive materials.

TABLE 1. HAZARDOUS BUILDING MATERIALS
(SOUTH WING ONLY; OTHER AREAS WERE NOT INSPECTED FOR HAZARDOUS MATERIALS AT THE TIME OF ORIGINAL INSPECTIONS)

Category	Material	Estimated Quantity
Poly-Chlorinated Biphenyl (PCBs)	Transformers	N/A
	Transistors	N/A
	Light Ballasts	N/A
Mercury	Thermostats	N/A
	Switches/Relays	N/A
	Fluorescent Light Tubes	248 bulbs
	High Intensity Discharge lights	N/A
	Thermometers/ Manometers	N/A
Batteries	Smoke Detectors	80 (electronic)
	Emergency Lighting Systems	N/A
	Exit Signs	21
	Flashing Fire Alarms	6
Chlorofluorocarbons (CFCs) or Hydro Chlorofluorocarbons (HCFCs)	Refrigerators/Freezers/Chillers	N/A
Low Level Radioactive Sources (LLR)	Smoke/Fire Alarms	N/A

Hazardous materials or universal wastes identified in Table 1 shall be removed as part of the renovation contractor's scope of work and disposed of according to US EPA Toxic Substances Control Act (TSCA) and the State of Iowa regulations.

6.0 CONCLUSIONS

The following conclusions and recommendations are summarized as follows:

Asbestos:

- (January 3, 2022 site visit) Asbestos was detected in the blue vinyl flooring, tan duct sealant, window glazing, drywall mud, gray sink insulation, 9" x 9" brown and gray/beige with pink, white, blue, brown streaks vinyl floor tile, TSI Elbows, straight pipe, and aircell.
- (November 18, 2022 site visit) Asbestos was detected in the 9"x 9" beige vinyl floor tile, brown cove base mastic, and brown ceiling pucks.
- (May 17, 2023 site visit) Asbestos was identified in 2 of the 3 white exterior window caulking samples collected. Atlas was unable to distinguish between the non-asbestos and asbestos containing window caulking materials, therefore all of the white exterior window caulking should be considered asbestos containing and handled accordingly
- (October 8, 2023 site visit) Asbestos was identified in the TSI runs (in the mastic/sealant on fiberglass) on the medium sized pipes, the blue vinyl flooring and stair treads, the sink insulation in the utility rooms, and the white sink caulk in the toilet rooms.

Lead Paint:

- Windows: An XRF sample reading found the white and light tan paint on the window sills, trough, and frame to contain 1.9 - 5.9 mg/cm2. Based on the sample analysis, the paint on the windows is considered lead-based paint.
- Walls: An XRF sample reading found the gray, off-white, light yellow, pink over orange, and white paint on the walls to contain 0.8 – 17.9 mg/cm2. Based on the sample analysis, the paint on the walls are considered lead-based paint.
- Stair post and cage: An XRF sample reading found the white paint on the stair post and cage to contain 9.6 mg/cm2. Based on the sample analysis, the white paint on the stair post and cage are considered lead-based paint.
- Attic Access: XRF sample readings found the blue on the attic access on 3rd Floor to contain 1.0 mg/cm2. Based on the sample analysis, the blue paint on the attic access is considered lead-based paint.
- Lead-containing paint was identified in all four paint chip samples from November 18, 2022 site visit (white paint on ceilings).

- Lead-containing paint was not identified in any of the samples collected from the south wing of the Medical Center.

7.0 ASSUMPTIONS AND LIMITATIONS

The results, findings, conclusions, and recommendations expressed in this report are based solely on conditions noted during the January 3rd, 2022, November 18th, 2022, May 17th, 2023, and October 4th, 2023 hazardous building materials surveys of the Medical Center at 1251 334th Street in Woodward, Iowa.

Atlas did not perform destructive sampling -- it was not within Atlas's scope of work to remove surface materials to investigate portions of the structure or materials that may lay beneath the surface -- thus, any materials that could not be visually identified on the surface were not inspected and would not be noted in this report. Atlas's selection of sample locations and frequency of sampling was based on the inspector's assumption that like materials in the same area are homogeneous in content.

The report is designed to aid the building owner, architect, construction manager, general contractor, and potential abatement contractor in locating hazardous building materials. Under no circumstances is the report to be utilized as a bidding document or as a project specification document since it does not have all the components required to serve as a Project Design document or an Abatement Work plan.

Our professional services have been performed, our findings obtained, and our conclusions and recommendations prepared in accordance with customary principles and practices in the fields of environmental science and engineering. This statement is in lieu of other statements either expressed or implied. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.

This report is intended for the sole use of the IDAS and Story Construction. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document or the findings, conclusions, or recommendations is at the risk of said user.

APPENDIX A

ASBESTOS TEST RESULTS

EMSL Analytical, Inc.
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Customer ID: ATC55
Customer PO:
Project ID: 204BS04414

Attention: Eric Mueggenberg
Atlas Technical
11117 Mockingbird Drive
Omaha, NE 68137

Phone: (515) 689-3216
Fax: (402) 597-8532
Received Date: 01/06/2022 12:25 PM
Analysis Date: 01/11/2022 - 01/12/2022
Collected Date: 01/03/2022

Project: Woodward (MC) - 204BS04414 (204BS04414)

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
MC-01 *042200244-0001*	Room 257 - 6" Black Cove Base	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-02 *042200244-0002*	Room 257 - Cove Base Mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-03 *042200244-0003*	Room 257 - Black Laminate Flooring	Blue Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
MC-04 *042200244-0004*	Room 257 - Tan Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-05 *042200244-0005*	Room 257 - Floor Leveling Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-06 *042200244-0006*	Room 257 - Tan Duct Sealant	Tan Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
MC-07 *042200244-0007*	Room 257 - 2'x2' Ceiling Tile	Gray/White Fibrous Homogeneous	20% Cellulose 40% Glass	40% Non-fibrous (Other)	None Detected
MC-08 *042200244-0008*	Room 257 - White Window Glazing	Gray Fibrous Homogeneous		95% Non-fibrous (Other)	2% Anthophyllite 3% Chrysotile
MC-09 *042200244-0009*	Room 270 - White Terrazzo	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-10 *042200244-0010*	Room 263 - White Sink Insulatiion	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-11 *042200244-0011*	Room 272 - White Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-12A *042200244-0012*	Room 267 - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-12B *042200244-0013*	Room 274 - Drywall Mud	White Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
MC-12C *042200244-0014*	Room 216 - Drywall Mud	White Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
MC-12D *042200244-0015*	Room 150 - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-12E *042200244-0016*	Room 109 - Drywall Mud	White Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected

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EMSL Order: 042200244
Customer ID: ATC55
Customer PO:
Project ID: 204BS04414

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
MC-13 *042200244-0017*	Room 267 - Gray Ceramic Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-14 *042200244-0018*	Room 268 - 12"x12" Brown VFT	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-15 *042200244-0019*	Room 268 - Tan VFT Mastic	Yellow Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
MC-16 *042200244-0020*	Room 268 - Terrazzo - Janitor Sink	Gray/White Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
MC-17A *042200244-0021*	Room 258 - TSI Duct Wrap Metal over Paper	Brown/Silver Fibrous Homogeneous	40% Cellulose 20% Glass	40% Non-fibrous (Other)	None Detected
MC-18 *042200244-0022*	Room 237 - Ceramic Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-19 *042200244-0023*	Room 262 - Gray Sink Insulation	Gray Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
MC-20 *042200244-0024*	Attic - Vibration Damper	Black Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (Other)	None Detected
MC-21 *042200244-0025*	Attic - White Duct Wrap	Brown/White Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (Other)	None Detected
MC-22 *042200244-0026*	Attic - Roof Gypsum	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-23 *042200244-0027*	Fireproof Caulk	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-24 *042200244-0028*	Attic - Brick Mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-25A *042200244-0029*	Room 318 - TSI Foil over Paper over Fiberglass 2" Pipe	Brown/Silver Fibrous Homogeneous	40% Cellulose 20% Glass	40% Non-fibrous (Other)	None Detected
MC-25B *042200244-0030*	Basement - Room 3 - TSI 2" Pipe	Brown/White/Silver Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (Other)	None Detected
MC-25C *042200244-0031*	Basement - Room 6 - TSI 2" Pipe	Brown/Black/Silver Fibrous Homogeneous	45% Cellulose 15% Glass	40% Non-fibrous (Other)	None Detected
MC-17B *042200244-0032*	Room 216 - TSI Duct Wrap Metal over Paper	Brown/Silver Fibrous Homogeneous	40% Cellulose 25% Glass	35% Non-fibrous (Other)	None Detected
MC-17C *042200244-0033*	Room 216 - TSI Duct Wrap Metal over Paper	Brown/Silver Fibrous Homogeneous	45% Cellulose 20% Glass	35% Non-fibrous (Other)	None Detected
MC-26 *042200244-0034*	Room 216 - Tan Carpet Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-27 *042200244-0035*	Room 206 - Gray Ceramic Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
MC-28A *042200244-0036*	Room 212 - Plaster	Gray/White Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Skim coat (sample MC-29A) included in analysis due to inseparable layers.					
MC-28B *042200244-0037*	Room 214 - Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-28C *042200244-0038*	East Stairway 2-3 - Plaster	Gray/White Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Skim coat (sample MC-29C) included in analysis due to inseparable layers.					
MC-28D *042200244-0039*	East Stairway B-1 - Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-28E *042200244-0040*	Room 134 - Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-29A *042200244-0041*	Room 212 - Skim Coat				Not Analyzed
See sample MC-28A for results due to inseparable layers.					
MC-29B *042200244-0042*	Room 234 - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-29C *042200244-0043*	East Stairway 2-3 - Skim Coat				Not Analyzed
See sample MC-28C for results due to inseparable layers.					
MC-29D *042200244-0044*	East Stairway B-1 - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-29E *042200244-0045*	Room 134 - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-30 *042200244-0046*	Room 244 - Tan Brittle Linoleum	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-31 *042200244-0047*	Room 244 - Dark Tan Mastic				Layer Not Present
Only one discernible mastic in sample bag.					
MC-32 *042200244-0048*	Room 244 - Tan Pliable Linoleum	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-33 *042200244-0049*	Room 244 - Tan Mastic	Yellow Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
MC-34 *042200244-0050*	Room 232 - Black Sink Insulation	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-35 *042200244-0051*	Room 234 - 6"x6" VFT	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-36 *042200244-0052*	Room 234 - Brown VFT Mastic				Insufficient Material

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
MC-37	Doorway 233-239 - Linoleum	Gray/Yellow/Pink Fibrous Heterogeneous	25% Cellulose 10% Glass	65% Non-fibrous (Other)	None Detected
042200244-0053					
Both linoleum and mastic included in analysis due to inseparable layers.					
MC-38	Doorway 233-239 - Linoleum Mastic				Not Analyzed
042200244-0054					
See sample MC-37 for results due to inseparable layers.					
MC-39	Room 150 - Terrazzo Dark Red	Gray/White/Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
042200244-0055					
MC-40	Room 164 - 2'x2' Ceiling Tile	Gray Fibrous Homogeneous	30% Cellulose 40% Glass	30% Non-fibrous (Other)	None Detected
042200244-0056					
MC-41	Room 164 - Terrazzo Red (Repair Patching)	Gray/Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
042200244-0057					
MC-42	Room 134 - Black Brittle Sink Insulation	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
042200244-0058					
MC-43	Room 109 - Drywall Tape	White Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
042200244-0059					
MC-44	Room 109 - Drywall	Brown Fibrous Homogeneous	8% Cellulose 3% Glass	89% Non-fibrous (Other)	None Detected
042200244-0060					
MC-45	Floor Leveling Compound	Orange Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
042200244-0061					
MC-46	Floor Leveling Compound	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
042200244-0062					
MC-47	Black VFT Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
042200244-0063					
MC-48	9"x9" Brown VFT	Brown/Beige Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
042200244-0064					
MC-49A	W. Hall - Basement - TSI 1"	Brown/Black/Silver Fibrous Homogeneous	45% Cellulose 15% Glass	40% Non-fibrous (Other)	None Detected
042200244-0065					
MC-49B	W. Hall - Basement - TSI 1"	Brown/White/Black Fibrous Homogeneous	55% Cellulose	45% Non-fibrous (Other)	None Detected
042200244-0066					
MC-49C	Basement - Rooms 1 & 2 - TSI 1"	Various Fibrous Homogeneous	55% Cellulose	45% Non-fibrous (Other)	None Detected
042200244-0067					
MC-50A	W. Hall - Basement - TSI 1/2"	Brown/Black/Silver Fibrous Homogeneous	45% Cellulose 5% Glass	50% Non-fibrous (Other)	None Detected
042200244-0068					
MC-50B	Basement - Rooms 1 & 2 - TSI 1/2"	Brown/Black/Silver Fibrous Homogeneous	45% Cellulose	55% Non-fibrous (Other)	None Detected
042200244-0069					
MC-50C	Basement - Rooms 1 & 2 - TSI 1/2"	Various Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
042200244-0070					

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
MC-51 *042200244-0071*	Basement - Rooms 1 & 2 - 9"x9" VFT Gray/Beige with Pink,White,Blue,Brown	Brown/Gray/Beige Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
MC-52 *042200244-0072*	Basement - Rooms 1 & 2 - Black VFT Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-53A-TSI *042200244-0073*	Basement - Room 1 - 1" TSI Elbow	Gray Fibrous Homogeneous	55% Glass	45% Non-fibrous (Other)	None Detected
MC-53A-Wrap *042200244-0073A*	Basement - Room 1 - Wrap	White Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (Other)	None Detected
MC-53B-TSI *042200244-0074*	Basement - Room 1 - 1" TSI Elbow	Gray Fibrous Homogeneous	55% Glass	45% Non-fibrous (Other)	None Detected
MC-53B-Wrap *042200244-0074A*	Basement - Room 1 - Wrap	White Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (Other)	None Detected
MC-53C *042200244-0075*	Basement - Room 1 - 1" TSI Elbow	Gray Fibrous Homogeneous	40% Cellulose	58% Non-fibrous (Other)	2% Chrysotile
MC-54A *042200244-0076*	Basement - Room 1 - 1/2" Elbow TSI	Gray Fibrous Homogeneous	55% Glass	45% Non-fibrous (Other)	None Detected
MC-54B-TSI *042200244-0077*	Basement - Room 1 - 1/2" Elbow TSI	Gray Fibrous Homogeneous	55% Glass	45% Non-fibrous (Other)	None Detected
MC-54B-Wrap *042200244-0077A*	Basement - Room 1 - Wrap	White Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (Other)	None Detected
MC-54C *042200244-0078*	Basement - Room 1 - 1/2" Elbow TSI	Gray Fibrous Homogeneous	30% Glass	70% Non-fibrous (Other)	None Detected
MC-55A *042200244-0079*	Basement - Room 1 - 2" Pipe TSI	White Fibrous Homogeneous		75% Non-fibrous (Other)	20% Amosite 5% Chrysotile
MC-55B *042200244-0080*	Basement - Room 1 - 2" Pipe TSI	White Fibrous Homogeneous		75% Non-fibrous (Other)	20% Amosite 5% Chrysotile
MC-55C *042200244-0081*	Basement - Room 1 - 2" Pipe TSI	Gray Fibrous Homogeneous		85% Non-fibrous (Other)	10% Amosite 5% Chrysotile
MC-56A *042200244-0082*	Basement - Office B04 - TSI AeroCell	Gray Fibrous Homogeneous	30% Cellulose	5% Non-fibrous (Other)	65% Chrysotile
MC-56B *042200244-0083*	Basement - Office B04 - TSI AeroCell	Gray Fibrous Homogeneous	30% Cellulose	5% Non-fibrous (Other)	65% Chrysotile
MC-56C *042200244-0084*	Basement - Office B06 - TSI AeroCell	Brown/Gray Fibrous Homogeneous	45% Cellulose	15% Non-fibrous (Other)	40% Chrysotile
MC-57 *042200244-0085*	Basement - Mechanical Room B05 - Vibration Damper	Gray Fibrous Homogeneous	55% Glass	45% Non-fibrous (Other)	None Detected

Initial report from: 01/11/2022 13:03:10

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 042200244
Customer ID: ATC55
Customer PO:
Project ID: 204BS04414

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
MC-58 *042200244-0086*	W. Room in Basement - Window Glazing	White Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
MC-59A *042200244-0087*	W. Room in Basement - Gray Blown Insulation	Gray Fibrous Homogeneous	15% Cellulose 55% Glass	30% Non-fibrous (Other)	None Detected
MC-59B *042200244-0088*	NW Room in Basement - Gray Blown Insulation	Gray Fibrous Homogeneous	15% Cellulose 55% Glass	30% Non-fibrous (Other)	None Detected
MC-59C *042200244-0089*	WNW Room in Basement - Gray Blown Insulation	Gray Fibrous Homogeneous	80% Glass	20% Non-fibrous (Other)	None Detected
MC-60 *042200244-0090*	E. Basement Hall - Floor Surfacing	Red/Orange Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-61 *042200244-0091*	E. Tunnel lEntrance - Black Tar	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Kelly Gallisdorfer (37)
Margo Burgio (14)
Shauna LaValley (38)

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 “Interim Method”) but augmented with procedures outlined in the 1993 (”final”) version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Depew, NY NVLAP Lab Code 200056-0

Initial report from: 01/11/2022 13:03:10

EMSL ANALYTICAL, INC.
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Asbestos Chain of Custody (Air, Bulk, Soil)

EMSL Order Number / Lab Use Only: 042200244

RECEIVED EMSL CINNAMINSON, NJ 22 JAN -6 PM 12:24

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
PHONE: 1-800-220-3875
EMAIL: e@emsl.com

If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization.

Customer Information

Customer ID:	ATC55
Company Name:	Atlas Technical Consultants, LLC
Contact Name:	Eric Mueggenberg
Street Address:	11117 Mockingbird Drive
City, State, Zip:	Omaha NE 68137
Country:	US
Phone:	515-981-4528
Email(s) for Report:	Eric.Mueggenberg@oneatlas.com

Billing Information

Billing ID:	ATC55
Company Name:	Atlas Technical Consultants, LLC
Billing Contact:	Sally Schmitz
Street Address:	11117 Mockingbird Drive
City, State, Zip:	Omaha
Country:	US
Phone:	402-697-9747
Email(s) for Invoice:	sally.schmitz@oneatlas.com

Project Information

Project Name/No:	WOODWARD (MC) 204BS04414
Purchase Order:	
EMSL LIMS Project ID: (If applicable, EMSL will provide)	
US State where samples collected:	IA
State of Connecticut (CT) must select project location:	☐ Commercial (Taxable) ☐ Residential (Non-Taxable)
Sampled By Name:	ERIC BROWN
Sampled By Signature:	Eric Brown
No. of Samples in Shipment:	97

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 4-4.5 Hour ☐ 6 Hour ☐ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☒ 1 Week ☐ 2 Week

TEM Air 3-6 Hour, please call ahead to schedule. 32 Hour TAT available for select tests only; samples must be submitted by 11:30 am.

Test Selection

PCM Air
- ☐ NIOSH 7400
- ☐ NIOSH 7400 w/ 8hr. TWA

PLM - Bulk (reporting limit)
- ☒ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)
- ☐ POINT COUNT
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- POINT COUNT w/ GRAVIMETRIC
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- ☐ NIOSH 9002 (<1%)
- ☐ NYS 198.1 (Friable - NY)
- ☐ NYS 198.6 NOB (Non-Friable - NY)
- ☐ NYS 198.8 (Vermiculite SM-V)

TEM - Air
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312*

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (Non-Friable-NY)
- ☐ TEM EPA 600/R-93/116 w Milling Prep (0.1%)

Other Test (please specify)

TEM - Settled Dust
- ☐ Microvac - ASTM D5755
- ☐ Wipe - ASTM D6480
- ☐ Qualitative via Filtration Prep
- ☐ Qualitative via Drop Mount Prep

Soil - Rock - Vermiculite (reporting limit)* PLM
- ☐ EPA 600/R-93/116 with milling prep (<0.25%) PLM
- ☐ EPA 600/R-93/116 with milling prep (<0 1%) TEM
- ☐ EPA 600/R-93/116 with milling prep (<0.1%) TEM
- ☐ Qualitative via Filtration Prep
- ☐ TEM Qualitative via Drop Mount Prep

*Please call with your project-specific requirements.

☐ Positive Stop - Clearly Identified Homogeneous Areas (HA) | Filter Pore Size (Air Samples) ☐ 0.8um ☐ 0.45um

Sample Number	Sample Location / Description	Volume, Area or Homogeneous Area	Date / Time Sampled (Air Monitoring Only)
MC-01	6" BLACK COVEBASE ADAM 257		1/3/22
MC-02	COVE BASE MASTIC	"	
MC-03	BLUE LAMINATE FLOORING	"	
MC-04	TAN MASTIC	"	
MC-05	FLOOR LEVELING COMPOUND	"	
MC-06	TAN DUCT SEALANT	"	
MC-07	2'x2' C.T.	"	
MC-08	WINDOW GLAZING WHITE	"	

RECEIVED JAN 10 2022 BY:

8:51am

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

FedEx 1/10/22 9102

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by: Eric Brown	Date/Time: 1/3/22	Received by: EMSL FX	Date/Time 1/6/22 1225
Relinquished by:	Date/Time:	Received by:	Date/Time

Controlled Document - COC-05 Asbestos R13 2/26/2021

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

Page 1 of 5

EMSL ANALYTICAL, INC.
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Asbestos Chain of Custody

EMSL Order Number (Lab Use Only)

042200244

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EMSL
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22 JAN -6 PM 12:24

PHONE:
FAX:

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
MC-09	TERRAZZO WHITE RM 270		1/3/22
MC-10	SILK INSULATION WHITE Rm 263		
MC-11	WHITE CAULK Rm 272		
MC-12A	DRYWALL MUD RM 267		
MC-12B	DRYWALL MUD Rm 274		
MC-12C	DRYWALL MUD ROOM 216		
MC-12D	DRYWALL MUD ROOM 150		
MC-12E	DRYWALL MUD ROOM 109		
MC-13	CERAMIC TILE GROUT GRAY RM 267		
MC-14	12"x12" VFT BROWN RM 268		
MC-15	TAN VFT MASTIC RM 268		
MC-16	TERRAZZO FACTOR. SILK RM 268		
MC-17A	TSI DUCT WRAP METALOVERPAPER Rm 256		
MC-18	CERAMIC TILE GROUT RM 237		
MC-19	GRAY SILK INSULATION RM 262		
MC-20	VIBRATION DAMPER ATTIC		
MC-21	WHITE DUCT WRAP ATTIC		
MC-22	ROOF GYPSUM ATTIC		
MC-23	FIRE PROOF CAULK		
MC-24	BRICK MORTAR ATTIC		
MC-25A	TSI FOIL OVER PAPER OVER FIBERGLASS 2" PIPE ROOM 318		
MC-25B	TSI 2" PIPE BASEMENT ROOM 3		
MC-25C	TSI 2" PIPE BASEMENT ROOM 6		

*Comments/Special Instructions:

Page 2 of 5 pages

Controlled Document – Asbestos COC – R10 – 05/09/2016

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only): 042200244

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EMSL
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FAX:

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
MC-17B	TSI DUCTWRAP METAL OVER PAPER ROOM 216		1/3/22
MC-17C	TSI DUCTWRAP METAL OVER PAPER ROOM 216		
MC-26	CARPET MASTIC TAN ROOM 216		
MC-27	GRAY CERAMIC TILE GROUT ROOM 206		
MC-28A	PLASTER ROOM 212		
MC-28B	PLASTER ROOM 234		
MC-28C	PLASTER E. STAIRWAY 2-3 FF		
MC-28D	PLASTER E. STAIRWAY B-1		
MC-28E	PLASTER ROOM 134		
MC-29A	SKIM COAT ROOM 212		
MC-29B	SKIM COAT ROOM 234		
MC-29C	SKIM COAT E. STAIRWAY 2-3		
MC-29D	SKIM COAT E. STAIRWAY B-1		
MC-29E	SKIM COAT ROOM 134		
MC-30	TAN LINOLEUM BRITTLE ROOM 244	LAB # 242	
MC-31	DK TAN MASTIC ROOM 244		
MC-32	TAN LINOLEUM PLIABLE ROOM 244		
MC-33	TAN MASTIC ROOM 244		
MC-34	~~BLACK~~ SINK INSULATION ROOM 232		
MC-35	9"x9" VFT ROOM 234		
MC-36	BROWN VFT MASTIC ROOM 234		
MC-37	LINOLEUM DOORWAY 233-239		
MC-38	LINOLEUM MASTIC DOORWAY 233-239		

*Comments/Special Instructions:

Page 3 of 5 pages

Controlled Document – Asbestos COC – R10 – 05/09/2016

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Asbestos Chain of Custody

EMSL Order Number (Lab Use Only): 04220244

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Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
MC-39	TERRAZZO DK RED ROOM 150		1/3/22
MC-40	2'x2' C.T. ROOM 164		
MC-41	TERRAZZO RED (REPAIR PATCH) ROOM 164		
MC-42	BLACK BRITTLE SINK INSULATION ROOM 134		
MC-43	DRYWALL TAPE ROOM 109		
MC-44	DRYWALL ROOM 109		
MC-45	FLOOR LEVELING COMPOUND		
MC-46	FLOOR LEVELING COMPOUND		
MC-47	BLACK VFT MASTIC		
MC-48	9"x9" BROWN VFT		
MC-49A	TSI 1" W HALL BASEMENT		
MC-49B	TSI 1" " "		
MC-49C	TSI 1" BASEMENT ROOMS 1&2		
MC-50A	TSI ½" W HALL BASEMENT		
MC-50B	TSI ½" BASEMENT ROOMS 1&2		
MC-50C	TSI ½" BASEMENT ROOMS 1&2		
MC-51	9"x9" VFT GRAY BEIGE WITH PINK WHITE BLUE BROWN BASEMENT ROOM 1&2		
MC-52	BLACK VFT MASTIC BASEMENT ROOMS 1&2		
MC-53A	1" TSI ELBOW BASEMENT ROOM 1		
MC-53B	1" TSI ELBOW BASEMENT ROOM 1		
MC-53C	1" TSI ELBOW BASEMENT ROOM 1		
MC-54A	½" ELBOW TSI " "		
MC-54B	½" ELBOW TSI " "		

*Comments/Special Instructions:

Page 4 of 5 pages

Controlled Document – Asbestos COC – R10 – 05/09/2018

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Asbestos Chain of Custody

EMSL Order Number (Lab Use Only): 042200244

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22 JAN -6 PM 12:24

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FAX:

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
MC-54C	1" TSI ELBOW BASEMENT ROOM 1		1/3/22
MC-55A	2" PIPE TSI " "		
MC-55B	2" PIPE TSI " "		
MC-55C	2" PIPE TSI " "		
MC-56A	TSI AEROCELL BASEMENT OFFICE (BO4)		
MC-56B	TSI AEROCELL BASEMENT OFFICE (BO4)		
MC-56C	TSI AEROCELL BASEMENT (BOG)		
MC-57	VIBRATION DAMPER BASEMENT MECHANICAL ROOM (BO5)		
MC-58	WINDOW GLAZING W ROOM IN BASEMENT		
MC-59A	INSULATION BLOWN GRAY W ROOM IN BASMENT		
MC-59B	INSULATION BLOWN GRAY NW ROOM IN BASEMENT		
MC-59C	INSULATION BLOWN GRAY WNW ROOM IN BASEMENT		
MC-60	FLOOR SURFACING E. BASEMENT HALL		
MC-61	BLACK TAR E. TUNNEL ENTRANCE		↓

*Comments/Special Instructions:

Controlled Document – Asbestos COC – R10 – 05/09/2015

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 042229151
Customer ID: ATC55
Customer PO: 204BS05194
Project ID:

Attention: Doug Sayer
Atlas Technical
11117 Mockingbird Drive
Omaha, NE 68137

Phone: (402) 697-9747
Fax: (402) 597-8532
Received Date: 11/21/2022 9:10 AM
Analysis Date: 11/28/2022 - 11/29/2022
Collected Date: 11/18/2022

Project: Woodward Resource Center / 204BS05194

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
WRC-1 *042229151-0001*	Basement - Room B09 - 9"x9" Beige Vinyl Floor Tile	Beige Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
WRC-2 *042229151-0002*	Basement - Room B09 - Vinyl Floor Tile Black Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
WRC-3 *042229151-0003*	Basement - Room B09 - Insulation	Gray Fibrous Homogeneous	60% Min. Wool	40% Non-fibrous (Other)	None Detected
WRC-4 *042229151-0004*	Basement - Red Fireproof Caulk	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
WRC-5 *042229151-0005*	Basement - Black 4" Cove Base	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
WRC-6 *042229151-0006*	Basement - Brown Cove Base Mastic	Brown Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
WRC-7 *042229151-0007*	1st Floor - Terrazzo	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
WRC-8 *042229151-0008*	1st Floor - Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
WRC-9 *042229151-0009*	1st Floor - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
WRC-10 *042229151-0010*	1st Floor - 2'x4' Ceiling Tile	Gray/White Fibrous Homogeneous	50% Cellulose 25% Min. Wool	25% Non-fibrous (Other)	None Detected
WRC-11 *042229151-0011*	1st Floor - 1'x1' Ceiling Tile	White/Yellow Fibrous Homogeneous	90% Glass	10% Non-fibrous (Other)	None Detected
WRC-12 *042229151-0012*	1st Floor - Brown Ceiling Pucks	Brown Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
WRC-13 *042229151-0013*	1st Floor - Decorative Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
WRC-14 *042229151-0014*	2nd Floor - Terrazzo	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
WRC-15 *042229151-0015*	2nd Floor - 2"x4" Ceiling Tile	Gray/White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
WRC-16 *042229151-0016*	2nd Floor - Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 11/29/2022 13:51:55

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order:	042229151
Customer ID:	ATC55
Customer PO:	204BS05194
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
WRC-17 *042229151-0017*	2nd Floor - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
WRC-18 *042229151-0018*	3rd Floor - Textured Paint	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
WRC-19 *042229151-0019*	3rd Floor - Pyrobar	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
WRC-20 *042229151-0020*	3rd Floor - Brick Mortar	Gray Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
WRC-21 *042229151-0021*	3rd Floor - Terrazzo	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Andrea Doughty (4)
Christopher Ratcliffe (17)

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 “Interim Method”) but augmented with procedures outlined in the 1993 (”final”) version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA LAP, LLC-IHLAP Lab 100194, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from: 11/29/2022 13:51:55

Asbestos Chain of Custody (Air, Bulk, Soil)

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
EMAIL: c@emsl.com

If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization.

Customer Information		Billing Information	
Customer ID:		Billing ID:	
Company Name:	Atlas Technical	Company Name:	Atlas Technical
Contact Name:	Doug Sayer	Billing Contact:	Susan Becker
Street Address:	11117 Mockingbird Drive	Street Address:	11117 Mockingbird Drive
City, State, Zip:	Omaha NE 681[illegible] Country: US	City, State, Zip:	Omaha NE 68137 Country: US
Phone:	402-697-9747	Phone:	402-697-9747
Email(s) for Report:	Doug.Sayer@oneatlas.com	Email(s) for Invoice:	

Project Information

Project Name/No: WOODWARD RESOURCE CENTER 204BS05194
Purchase Order:

EMSL LIMS Project ID: (If applicable, EMSL will provide)
US State where samples collected: IA
State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)

Sampled By Name: ERIC BROWN
Sampled By Signature: Eric Brown
No. of Samples in Shipment: 21

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 4-4.5 Hour ☐ 6 Hour ☐ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☒ 1 Week ☐ 2 Week

TEM Air 3-6 Hour, please call ahead to schedule. 32 Hour TAT available for select tests only; samples must be submitted by 11:30 am.

Test Selection

PCM Air
- ☐ NIOSH 7400
- ☐ NIOSH 7400 w/ 8hr. TWA

PLM - Bulk (reporting limit)
- ☒ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)
- ☐ POINT COUNT
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- POINT COUNT w/ GRAVIMETRIC
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- ☐ NIOSH 9002 (<1%)
- ☐ NYS 198.1 (Friable - NY)
- ☐ NYS 198.6 NOB (Non-Friable - NY)
- ☐ NYS 198.8 (Vermiculite SM-V)

TEM - Air
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312*

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (Non-Friable-NY)
- ☐ TEM EPA 600/R-93/116 w Milling Prep (0.1%)

Other Test (please specify)

TEM - Settled Dust
- ☐ Microvac - ASTM D5755
- ☐ Wipe - ASTM D6480
- ☐ Qualitative via Filtration Prep
- ☐ Qualitative via Drop Mount Prep

Soil - Rock - Vermiculite (reporting limit)*
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.25%)
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM Qualitative via Filtration Prep
- ☐ TEM Qualitative via Drop Mount Prep

*Please call with your project-specific requirements.

☐ Positive Stop - Clearly Identified Homogeneous Areas (HA) | Filter Pore Size (Air Samples) ☐ 0.8um ☐ 0.45um

Sample Number	Sample Location / Description	Volume, Area or Homogeneous Area	Date / Time Sampled (Air Monitoring Only)
WRC-1	9"x9" VFT BEIGE BASEMENT ROOM B09		11/18/22
WRC-2	VFT MASTIC BLACK BASEMENT ROOM B09		
WRC-3	INSULATION BASEMENT ROOM B09		
WRC-4	FIRE PROOF CAULK RED BASEMENT		
WRC-5	BLACK COVE BASE 4" BASEMENT		
WRC-6	BROWN COVE BASE MASTIC BASEMENT		
WRC-7	TERRAZZO 1ST FLOOR		
WRC-8	PLASTER 1ST FLOOR		V

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by:	Date/Time:	Received by:	Date/Time
Relinquished by:	Date/Time:	Received by:	Date/Time

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

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EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number *(Lab Use Only)*:

PHONE:
FAX:

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
WRC-9	SKIM COAT 1ST FLOOR		11/18/22
WRC-10	2'x4' CEILING TILE 1ST FLOOR		
WRC-11	1'x1' CEILING TILE 1ST FLOOR		
WRC-12	CEILING TILE PUCKS BROWN 1ST FLOOR		
WRC-13	DECORATIVE PLASTER 1ST FLOOR		
WRC-14	TERRAZZO 2ND FLOOR		
WRC-15	2'x4' CEILING TILE 2ND FLOOR		
WRC-16	PLASTER 2ND FLOOR		
WRC-17	SKIM COAT 2ND FLOOR		
WRC-18	TEXTURED PAINT 3RD FLOOR		
WRC-19	PYROBAR 3RD FLOOR		
WRC-20	BRICK MORTAR 3RD FLOOR		
WRC-21	TERRAZZO 3RD FLOOR		

*Comments/Special Instructions:

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 042311944
Customer ID: ATC55
Customer PO:
Project ID:

Attention: Doug Sayer
Atlas Technical
11117 Mockingbird Drive
Omaha, NE 68137

Phone: (402) 697-9747
Fax: (402) 597-8532
Received Date: 05/18/2023 9:30 AM
Analysis Date: 05/20/2023
Collected Date: 05/17/2023

Project: Woodward Resource Center Medical Center / 204BS05754

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
WRC MC-1 *042311944-0001*	Window Caulk N	Gray/White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
WRC MC-2 *042311944-0002*	Window Caulk S	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
WRC MC-3 *042311944-0003*	Window Caulk E	Gray/White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile

Analyst(s)
Andrew Borsos (2)
Quynh Vu (1)

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA LAP, LLC-IHLAP Lab 100194, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from: 05/20/2023 15:44:41

EMSL ANALYTICAL, INC.
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Asbestos Chain of Custody (Air, Bulk, Soil)

EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
EMAIL: c@emsl.com

If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization.

Customer Information		Billing Information	
Customer ID:		Billing ID:	
Company Name:	Atlas Technical	Company Name:	Atlas Technical
Contact Name:	Doug Sayer	Billing Contact:	Susan Becker
Street Address:	11117 Mockingbird Drive	Street Address:	11117 Mockingbird Drive
City, State, Zip:	Omaha NE 68137	Country: US	City, State, Zip: Omaha NE 68137 Country: US
Phone:	402-697-9747		Phone: 402-697-9747
Email(s) for Report:	Eric.I.Brown@oneatlas.com		Email(s) for Invoice:

Project Information

Project Name/No: WOODWARD RESOURCE CENTER MEDICAL CENTER 204B505754		Purchase Order:
EMSL LIMS Project ID: (if applicable, EMSL will provide)	US State where samples collected: IA	State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)
Sampled By Name: ERIC BROWN	Sampled By Signature: Eric Brown	No. of Samples In Shipment: 3

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 4-4.5 Hour ☐ 6 Hour ☐ 24 Hour ☐ 32 Hour ☒ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

TEM Air 3-6 Hour, please call ahead to schedule. 32 Hour TAT available for select tests only; samples must be submitted by 11:30 am.

Test Selection

PCM Air
- ☐ NIOSH 7400
- ☐ NIOSH 7400 w/ 8hr. TWA

PLM - Bulk (reporting limit)
- ☒ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)
- ☐ POINT COUNT
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- POINT COUNT w/ GRAVIMETRIC
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- ☐ NIOSH 9002 (<1%)
- ☐ NYS 198.1 (Friable - NY)
- ☐ NYS 198.6 NOB (Non-Friable - NY)
- ☐ NYS 198.8 (Vermiculite SM-V)

TEM - Air
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312*

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (Non-Friable-NY)
- ☐ TEM EPA 600/R-93/116 w Milling Prep (0.1%)

Other Test (please specify)

TEM - Settled Dust
- ☐ Microvac - ASTM D5755
- ☐ Wipe - ASTM D6480
- ☐ Qualitative via Filtration Prep
- ☐ Qualitative via Drop Mount Prep

Soil - Rock - Vermiculite (reporting limit)*
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.25%)
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM Qualitative via Filtration Prep
- ☐ TEM Qualitative via Drop Mount Prep

*Please call with your project-specific requirements.

☐ Positive Stop - Clearly Identified Homogeneous Areas (HA) | Filter Pore Size (Air Samples) ☐ 0.8um ☐ 0.45um

Sample Number	Sample Location / Description	Volume, Area or Homogeneous Area	Date / Time Sampled (Air Monitoring Only)
WRC MC-1	WINDOW CAULK N		5/17/23
WRC MC-2	WINDOW CAULK S		5/17/23
WRC MC-3	WINDOW CAULK E		5/17/23

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by: Eric Brown	Date/Time: 5/17/23	Received by:	Date/Time
Relinquished by:	Date/Time:	Received by:	Date/Time

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

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Lead Chain of Custody

EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077

PHONE: (800) 220-3675
EMAIL: CinnaminsonLeadLab@emsl.com

Customer Information		Billing Information	
Customer ID:		Billing ID:	ATC 55
Company Name:	Atlas Technical	Company Name:	Atlas Technical
Contact Name:	Doug Sayer	Billing Contact:	Susan Becker
Street Address:	11117 Mockingbird Drive	Street Address:	11117 Mockingbird Drive
City, State, Zip:	Omaha, NE 68137	City, State, Zip:	Omaha, NE 68137
Country:	US	Country:	US
Phone:	818-264-5642	Phone:	402-697-9747
Email(s) for Report:	doug.sayer@oneatlas.com	Email(s) for Invoice:	susan.becker@oneatlas.com

Project Information

Project Name/No: WOODWARD RESOURCE CENTER WESTWOOD BUILDING 204350754

Purchase Order:

EMSL LIMS Project ID: (If applicable, EMSL will provide)

US State where samples collected: IA

State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)

Sampled By Name: ERIC BROWN

Sampled By Signature: Eric Brown

No. of Samples in Shipment: 4

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 32 Hour ☒ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only; samples must be submitted by 11:30am.

MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
CHIPS ☒ % by wt. ☐ ppm (mg/kg) ☐ mg/cm² *Reporting Limit based on a minimum 0.25g sample weight. **Not appropriate for Ceramic Tiles - XRF is recommended	SW 846-7000B	Flame Atomic Absorption	0.008% (80ppm)	☒
	SW 846-6010D*	ICP-OES	0.0004% (4ppm)	☐
AIR	NIOSH 7082	Flame Atomic Absorption	4µg/filter	☐
	NIOSH 7300M / NIOSH 7303M	ICP-OES	0.5µg/filter	☐
	NIOSH 7300M / NIOSH 7303M	ICP-MS	0.05µg/filter	☐
WIPE ☐ ASTM ☐ NON-ASTM *If no box is checked, non-ASTM Wipe is assumed	SW 846-7000B	Flame Atomic Absorption	10µg/wipe	☐
	SW 846-6010D*	ICP-OES	1.0µg/wipe	☐
TCLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
SPLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
TTLC	22 CCR App. II, 7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
STLC	22 CCR App. II, 7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
Soil	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
Wastewater	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
Unpreserved ☐ / Preserved with HNO3 ☐ PH<2	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	☐
Drinking Water	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	☐
Unpreserved ☐ / Preserved with HNO3 ☐ PH<2	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	☐
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	☐
Other:				☐

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
PC WRC WWB 1	BASEMENT 806 WHITE		5/17/23
PC WRC WWB 2	ROOM 106 WHITE		5/17/23
PC WRC WWB 3	HALL 105 Lt. BLUE		5/17/23
PC WRC WWB 4	ROOM 102 YELLOW/WHITE		5/17/23

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by: Eric Brown	Date/Time: 5/17/23	Received by:	Date/Time
Relinquished by:	Date/Time:	Received by:	Date/Time

Controlled Document - COC-25 Lead R17 05/09/2022

*6010C Available Upon Request

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EMSL Analytical, Inc.

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Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 042324218
Customer ID: ATC55
Customer PO:
Project ID:

Attention: Eric Brown
Atlas Technical
11117 Mockingbird Drive
Omaha, NE 68137

Phone: (402) 697-9747
Fax: (402) 597-8532
Received Date: 10/09/2023 8:45 AM
Analysis Date: 10/12/2023 - 10/13/2023
Collected Date: 10/04/2023

Project: Woodward Medical Center 204BS06333

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
MC-1-Concrete *042324218-0001*	W Wall - Concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-1-Skim Coat *042324218-0001A*	W Wall - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-2 *042324218-0002*	Ne Corner - CMU Mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-3 *042324218-0003*	From Spares Pile - Ceiling Tile	Gray/White Fibrous Homogeneous	40% Cellulose 40% Min. Wool 10% Glass	10% Non-fibrous (Other)	None Detected
MC-4 *042324218-0004*	From the Scrap Pile - Drywall	Brown/White Fibrous Homogeneous	20% Cellulose 3% Glass	77% Non-fibrous (Other)	None Detected
MC-5 *042324218-0005*	From the Bag - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-6-TSI *042324218-0006*	Chilled H2O Supply - TSI MED	Yellow Fibrous Homogeneous	70% Min. Wool	30% Non-fibrous (Other)	None Detected
MC-6-Mastic *042324218-0006A*	Chilled H2O Supply - TSI MED	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-7-TSI *042324218-0007*	Steam Supply - TSI MED	Yellow Fibrous Homogeneous	70% Min. Wool	30% Non-fibrous (Other)	None Detected
MC-7-Mastic *042324218-0007A*	Steam Supply - TSI MED	White Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
MC-8-TSI *042324218-0008*	TSI MED	Yellow Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (Other)	None Detected
MC-8-Mastic *042324218-0008A*	TSI MED	White Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
MC-9 *042324218-0009*	W. Damper - Vibration Damper	Black Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
MC-10 *042324218-0010*	Fire Proof Caulk	Red Non-Fibrous Homogeneous	8% Glass	92% Non-fibrous (Other)	None Detected
MC-11 *042324218-0011*	TSI SM	White/Silver/Yellow Fibrous Heterogeneous	5% Cellulose 40% Min. Wool	55% Non-fibrous (Other)	None Detected
MC-12 *042324218-0012*	TSI SM	White/Silver/Yellow Fibrous Heterogeneous	2% Cellulose 30% Min. Wool	68% Non-fibrous (Other)	None Detected

Initial report from: 10/13/2023 16:15:24

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200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 042324218
Customer ID: ATC55
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
MC-13 *042324218-0013*	TSI SM	White/Silver/Yellow Fibrous Heterogeneous	10% Cellulose 60% Min. Wool 5% Glass	25% Non-fibrous (Other)	None Detected
MC-14 *042324218-0014*	Stairs - Blue Vinyl Flooring	Blue Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
MC-15-Cove Base *042324218-0015*	Stairs - Black Cove Base	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-15-Mastic *042324218-0015A*	Stairs - Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-16 *042324218-0016*	Above Oxygen Storage Room - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-17 *042324218-0017*	Above Oxygen Storage Room - Floor Tile Grout - Grey	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-18-Cove Base *042324218-0018*	Above Oxygen Storage Room - Black Cove Base	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-18-Mastic *042324218-0018A*	Above Oxygen Storage Room - Mastic	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-19 *042324218-0019*	Above Oxygen Storage Room - White Drywall	Brown/White Fibrous Heterogeneous	10% Cellulose 5% Glass	85% Non-fibrous (Other)	None Detected
MC-20 *042324218-0020*	Above Oxygen Storage Room - White Caulking Around Sink	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-21 *042324218-0021*	Above Oxygen Storage Room - White Ceramic Tile Grout	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-22 *042324218-0022*	NW Corner of Hallway - White 2'x2' Fissure Ceiling Tile	Tan Fibrous Homogeneous	40% Cellulose 40% Min. Wool	20% Non-fibrous (Other)	None Detected
MC-23-Flooring *042324218-0023*	NE Corner of Hallway - Blue Vinyl Flooring	Blue Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
MC-23-Mastic *042324218-0023A*	NE Corner of Hallway - Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-24 *042324218-0024*	Staff Breakroom - White 2'x2' Fissure Ceiling Tile	Tan/White Fibrous Homogeneous	40% Cellulose 40% Min. Wool	20% Non-fibrous (Other)	None Detected
MC-25 *042324218-0025*	Utility Room - White Sink Under Coat	White Non-Fibrous Homogeneous		85% Non-fibrous (Other)	15% Chrysotile
MC-26-Floor Tile *042324218-0026*	Kitchen - Tan 12x12 Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-26-Mastic *042324218-0026A*	Kitchen - Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 10/13/2023 16:15:24

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200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 042324218
Customer ID: ATC55
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
MC-27-Floor Tile *042324218-0027*	Kitchen - Tan 12x12 Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-27-Mastic *042324218-0027A*	Kitchen - Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-28-Floor Tile *042324218-0028*	Kitchen - Tan 12x12 Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-28-Mastic *042324218-0028A*	Kitchen - Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-29 *042324218-0029*	1st Room Bathroom - White Sink Caulking	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-30-Floor Tile *042324218-0030*	2nd Room - Blue Vinyl Floor Tile	Blue Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
MC-30-Mastic *042324218-0030A*	2nd Room - Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-31 *042324218-0031*	2nd Room Bathroom - White Drywall	Brown/White Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
MC-32 *042324218-0032*	3rd Room Bathroom - White Sink Caulking	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
MC-33 *042324218-0033*	Janitor Room - Brown Drywall	Brown Non-Fibrous Heterogeneous	10% Cellulose 5% Glass	85% Non-fibrous (Other)	None Detected
MC-34 *042324218-0034*	Janitor Room - White 2x2 Ceiling Tile	Gray/White Fibrous Homogeneous	40% Cellulose 40% Min. Wool	20% Non-fibrous (Other)	None Detected
MC-35 *042324218-0035*	Utility Room West - White Sink Undercoat	White Non-Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
MC-36-Drywall *042324218-0036*	Jaintor Room - Brown Drywall	Brown/White Non-Fibrous Heterogeneous	5% Cellulose 5% Glass	90% Non-fibrous (Other)	None Detected
MC-36-Joint Compound *042324218-0036A*	Jaintor Room - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-37-Drywall *042324218-0037*	Jaintor Room - Brown Drywall	Brown Non-Fibrous Homogeneous	8% Cellulose 5% Glass	87% Non-fibrous (Other)	None Detected
MC-37-Joint Compound *042324218-0037A*	Jaintor Room - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-38 *042324218-0038*	Utility Room West - White Drywall	Brown/White Fibrous Homogeneous	15% Cellulose 5% Glass	80% Non-fibrous (Other)	None Detected
MC-39 *042324218-0039*	Utility Room West - White Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-40 *042324218-0040*	Oxygen Storage Room - Tan Floor Tile Grout	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 10/13/2023 16:15:24

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order:	042324218
Customer ID:	ATC55
Customer PO:	
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
MC-41	Shower Room - Tan Floor Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
042324218-0041					
MC-42	Entrance - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
042324218-0042					
MC-43	Entrance - Dark Brown Mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
042324218-0043					

Analyst(s)

Andrew Burke (39)
Selbbep Salgado (17)

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 “Interim Method”) but augmented with procedures outlined in the 1993 (”final”) version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA LAP, LLC-IHLAP Lab 100194, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from: 10/13/2023 16:15:24

OrderID: 042324218

Asbestos Chain of Custody (Air, Bulk, Soil)

EMSL Order Number / Lab Use Only: 042324218

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
PHONE: (800) 220-3675
EMAIL: CinnAsblab@EMSL.com

EMSL ANALYTICAL, INC. • PRODUCTS • TRAINING

If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization.

Customer Information		Billing Information	
Customer ID:		Billing ID:	
Company Name:	Atlas	Company Name:	Atlas
Contact Name:		Billing Contact:	
Street Address:	11117 Mockingbird Drive	Street Address:	11117 Mockingbird Drive
City, State, Zip:	Omaha, NE, 68137	City, State, Zip:	Omaha, NE, 68137
Country:		Country:	
Phone:	402-697-9747	Phone:	402-697-9747
Email(s) for Report:		Email(s) for Invoice:	

Project Information

Project Name/No:	WOOD WARD MEDICAL CENTER 204 BS06333	Purchase Order:	
EMSL LIMS Project ID: (If applicable, EMSL will provide)		US State where samples collected:	State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)
Sampled By Name:	ERIC BROWN	Sampled By Signature:	Eric Brown
No. of Samples in Shipment	43		

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 4-4.5 Hour AHERA ONLY ☐ 6 Hour ☐ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☒ 1 Week ☐ 2 Week

TEM Air 3-6 Hour, please call ahead to schedule. 32 Hour TAT available for select tests only; samples must be submitted by 11:30 am.

Test Selection

PCM Air
- ☐ NIOSH 7400
- ☐ NIOSH 7400 w/ 8hr. TWA

PLM - Bulk (reporting limit)
- ☒ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)
- ☐ POINT COUNT
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- POINT COUNT w/ GRAVIMETRIC
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- ☐ NIOSH 9002 (<1%)
- ☐ NYS 198.1 (Friable - NY)
- ☐ NYS 198.6 NOB (Non-Friable - NY)
- ☐ NYS 198.8 (Vermiculite SM-V)

TEM - Air
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312*

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (Non-Friable-NY)
- ☐ TEM EPA 600/R-93/116 w Milling Prep (0.1%)

Other Test (please specify)

TEM - Settled Dust
- ☐ Microvac - ASTM D5755
- ☐ Wipe - ASTM D6480
- ☐ Qualitative via Filtration Prep
- ☐ Qualitative via Drop Mount Prep

Soil - Rock - Vermiculite (reporting limit)*
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.25%)
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM Qualitative via Filtration Prep
- ☐ TEM Qualitative via Drop Mount Prep

*Please call with your project-specific requirements.

☐ Positive Stop - Clearly Identified Homogeneous Areas (HA) | Filter Pore Size (Air Samples) ☐ 0.8um ☐ 0.45um

Sample Number	Sample Location / Description	Volume, Area or Homogeneous Area	Date / Time Sampled (Air Monitoring Only)
	SEE ATTACHED		
	SHEETS		

RECEIVED EMSL CINNAMINSON, NJ 2023 OCT -9 A 10:14

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by: Eric Brown	Date/Time: 10/7/2023 18:00	Received by: EFX	Date/Time: 10/9/23 8:45am
Relinquished by:	Date/Time:	Received by:	Date/Time

Controlled Document - COC-05 Asbestos R16 10/26/2021

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

Page 1 of 43

ASBESTOS BULK SAMPLE FORM

ATLAS
11117 Mockingbird Drive
Omaha, NE 68137
Phone (402) 697-9747
Fax (402) 597-8532

042324218

Project Information

Client:	Project Description: WOODWARD	Project Manager: SM Inspector: EB
Date: 10/4/2023	Site Location: MEDICAL CENTER	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
MC1	CONCRETE	B	W WALL	
MC2	CMU MORTAR	B	NE CORNER	
MC3	CEILING TILE	B	FROM THE SPARES PILE	NA
MC4	DRYWALL	B	FROM THE SCRAP PILE	NA
MC5	DRYWALL MUD	B	FROM THE BAG	NA
MC6	TSI MED	B	CHILLED H_2O SUPPLY	
MC7	TSI MED	B	~~CHILLED H_2O RE~~ STEAM SUPPLY	
MC8	TSI MED	B		
MC9	VIBRATION DAMPER	B	W. DAMPER	2
MC10	FIRE PROOF CAULK	B		
MC11	TSI SM	B		
MC12	TSI SM	B		
MC13	TSI SM	B		

RECEIVED
EMSL
CINNAMINSON, NJ
2023 OCT -9 A 10:14

ASBESTOS BULK SAMPLE FORM

ATLAS
11117 Mockingbird Drive
Omaha, NE 68137
Phone (402) 697-9747
Fax (402) 597-8532

Project Information 042324218

Client:	Project Description: WOODWARD	Project Manager: Steve Hudson Inspector: Eric Ryan matt Waggy
Date: 10/4/2023	Site Location: MEDICAL CENTER	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
MC14	BLUE VINYL FLOORING	B	STAIRS	
MC15	Black cove B-se	B	Stairs	
MC16	Drywall mud	1st	Above Oxygen Storage room	Above 1st floor
MC17	Floor tile grout - grey	1st	Oxygen Storage room	10X6 ft
MC18	Black cove Base	1st	Oxygen Storage room	5 LF
MC19	White Drywall	1st	Oxygen Storage room	10X8 sf
MC20	White Caulking around sink	1st	Oxygen Storage room	1 LF
MC21	White Ceramic tile grout	1st	Oxygen Storage room	
MC22	White 2x2' fissue ceiling tile	1st	NW corner of Hallway	
MC23	Blue vinyl Flooring	1st	NE corner of Hallway	
MC24	White 2x2' fissue ceiling tile	1st	Staff Breakroom	
MC25	White sink undercoat	1st	Utility room	1 Sink
MC26	Tan 12x12 floor tile w/mastic	1st	Kitchen	

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EMSL
CINNAMINSON, NJ
2023 OCT -9 A 10:14

ASBESTOS BULK SAMPLE FORM

ATLAS
11117 Mockingbird Drive
Omaha, NE 68137
Phone (402) 697-9747
Fax (402) 597-8532

042324218

Project Information

Client:	Project Description: WOOD WARD	Project Manager: SM Inspector: EB MW
Date: 10/4/2023	Site Location: MEDICAL CENTER	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
MC-27	Tan 12X12 Floortile w/Mastic	1	Kitchen	
MC-28	Tan 12X12 Floortile w/mastic	1	Kitchen	
MC-29	White Stick Caulking	1	1st Room Bathroom	
MC-30	Blue vinyl floortile	1	2nd room	
MC-31	White Drywall	1	2nd Room Bathroom	
MC-32	White Stick Caulking	1	3rd room Bathroom	
MC-33	~~Brown~~ Drywall	1	Janitor Room	
MC-34	White 2X2 Ceiling tile	1	Janitor Room	
MC-35	White Stick Undercoat	1	Utility room west	
MC-36	Brown Drywall	1	~~Utility room~~ Janitor room	
MC-37	Brown Drywall	1	~~Utility room~~ Janitor room	
MC-38	White Drywall	1	Utility room West	
MC-39	White Drywall Mud	1	Utility room West	

RECEIVED
2023 OCT -9 A 10:14
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ASBESTOS BULK SAMPLE FORM

ATLAS
11117 Mockingbird Drive
Omaha, NE 68137
Phone (402) 697-9747
Fax (402) 597-8532

Project Information 042324218

Client:	Project Description: WOODWARD	Project Manager: SH Inspector: EB MW
Date: 10/04/2023	Site Location: MEDICAL CENTER ~~WOODWARD RESOURCE CENTER~~	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
MC-40	Tan floor tile grout	1	Oxygen Storage room	
MC-41	Tan floor tile grout	1	Shower room	
MC-42	Drywall Mud	1	Entrance	
MC-43	Dark Brown Mastic/Backer for Tile	1	Entrance	

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CINNAMINSON, NJ
2023 OCT -9 A 10:15

APPENDIX B

LEAD PAINT TEST RESULTS

XRF Field Reading

January 3, 2022

Heuresis Corp. XRF Serial #: 1492 Model #: Pb200i
1251 334th Street
Woodward, IA 50276

Job	Reading #	Date/Time	Inspector	Room	Color	Structure	Component	Substrate	PbC	Units	Results
Medical Center	1	1/3/2022	Eric Mueggenberg	NIST 0.0	N/A	N/A	Calibration	N/A	0.1	mg/cm2	Negative
Medical Center	2	1/3/2022	Eric Mueggenberg	NIST 0.0	N/A	N/A	Calibration	N/A	0.1	mg/cm2	Negative
Medical Center	3	1/3/2022	Eric Mueggenberg	NIST 0.0	N/A	N/A	Calibration	N/A	0.1	mg/cm2	Negative
Medical Center	4	1/3/2022	Eric Mueggenberg	NIST 1.0	N/A	N/A	Calibration	N/A	0.8	mg/cm2	Negative
Medical Center	5	1/3/2022	Eric Mueggenberg	NIST 1.0	N/A	N/A	Calibration	N/A	1.0	mg/cm2	Positive
Medical Center	6	1/3/2022	Eric Mueggenberg	NIST 1.0	N/A	N/A	Calibration	N/A	0.8	mg/cm2	Negative
Medical Center	7	1/3/2022	Eric Mueggenberg	254	Brown	Door	Door	Metal	0.1	mg/cm2	Negative
Medical Center	8	1/3/2022	Eric Mueggenberg	254	Brown	Door	Frame	Metal	0.2	mg/cm2	Negative
Medical Center	9	1/3/2022	Eric Mueggenberg	254	Yellow	Wall	Conduit	Metal	0.2	mg/cm2	Negative
Medical Center	10	1/3/2022	Eric Mueggenberg	254	White	Window	Trough	Metal	5.9	mg/cm2	Positive
Medical Center	11	1/3/2022	Eric Mueggenberg	254	White	Window	Frame	Metal	2	mg/cm2	Positive
Medical Center	12	1/3/2022	Eric Mueggenberg	254	Gray	Door	Door	Metal	0.1	mg/cm2	Negative
Medical Center	13	1/3/2022	Eric Mueggenberg	256	White	Wall	Wall	Plaster	0.3	mg/cm2	Negative
Medical Center	14	1/3/2022	Eric Mueggenberg	256	Brown	Wall	Radiator	Metal	0.2	mg/cm2	Negative
Medical Center	15	1/3/2022	Eric Mueggenberg	259	White	Wall	Wall	Plaster	0.3	mg/cm2	Negative
Medical Center	16	1/3/2022	Eric Mueggenberg	259	Beige	Wall	Radiator	Metal	0.2	mg/cm2	Negative
Medical Center	17	1/3/2022	Eric Mueggenberg	254	Purple-Beige	Wall	Wall	Drywall	0.1	mg/cm2	Negative
Medical Center	18	1/3/2022	Eric Mueggenberg	254	Gray	Wall	Wall	Plaster	0.8	mg/cm2	Negative
Medical Center	19	1/3/2022	Eric Mueggenberg	254	White	Wall	Radiator	Metal	0.1	mg/cm2	Negative
Medical Center	20	1/3/2022	Eric Mueggenberg	228-243	Brown	Door	Frame	Metal	0.2	mg/cm2	Negative
Medical Center	21	1/3/2022	Eric Mueggenberg	228-243	Brown	Door	Door	Metal	0.2	mg/cm2	Negative
Medical Center	22	1/3/2022	Eric Mueggenberg	247	Orange	Wall	Wall	Plaster	0.1	mg/cm2	Negative
Medical Center	23	1/3/2022	Eric Mueggenberg	247	Very Lt Tan	Window	Frame	Metal	1.9	mg/cm2	Positive
Medical Center	24	1/3/2022	Eric Mueggenberg	244	Orange	Wall	Wall	Plaster	0.6	mg/cm2	Negative
Medical Center	25	1/3/2022	Eric Mueggenberg	243	Offwhite	Wall	Wall	Plaster	0.4	mg/cm2	Negative
Medical Center	26	1/3/2022	Eric Mueggenberg	241	Offwhite	Wall	Wall	Plaster	13.4	mg/cm2	Positive
Medical Center	27	1/3/2022	Eric Mueggenberg	241	Orange	Wall	Wall	Plaster	0.3	mg/cm2	Negative
Medical Center	28	1/3/2022	Eric Mueggenberg	233	Offwhite	Wall	Wall	Plaster	0.2	mg/cm2	Negative
Medical Center	29	1/3/2022	Eric Mueggenberg	233	Offwhite	Wall	Wall	Plaster	1.2	mg/cm2	Positive
Medical Center	30	1/3/2022	Eric Mueggenberg	228	White	Stairs	Post/Cage	Metal	9.6	mg/cm2	Positive
Medical Center	31	1/3/2022	Eric Mueggenberg	228	Brown	Handrail	Handrail	Metal	0.4	mg/cm2	Negative
Medical Center	32	1/3/2022	Eric Mueggenberg	212	Offwhite over Green	Wall	Wall	Plaster	0.4	mg/cm2	Negative
Medical Center	33	1/3/2022	Eric Mueggenberg	208	Red	Wall	Wall	Plaster	0.6	mg/cm2	Negative
Medical Center	34	1/3/2022	Eric Mueggenberg	207	Yellow	Wall	Wall	Plaster	17.3	mg/cm2	Positive
Medical Center	35	1/3/2022	Eric Mueggenberg	307	Green	Wall	Wall	Plaster	0.1	mg/cm2	Negative
Medical Center	36	1/3/2022	Eric Mueggenberg	313	Brown	Floor	Floor	Concrete	0.1	mg/cm2	Negative
Medical Center	37	1/3/2022	Eric Mueggenberg	313	Brown	Door	Door	Wood	0	mg/cm2	Negative
Medical Center	38	1/3/2022	Eric Mueggenberg	314	Green	Floor	Floor	Concrete	0.3	mg/cm2	Negative
Medical Center	39	1/3/2022	Eric Mueggenberg	306	Blue	Wall	Wall	Plaster	0.5	mg/cm2	Negative
Medical Center	40	1/3/2022	Eric Mueggenberg	306	Blue	Door	Attic Access	Metal	1.0	mg/cm2	Positive

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax: (856) 303-2500 / (856) 786-5974
http://www.EMSL.com cinnaminsonleadlab@emsl.com

EMSL Order:	202210103
CustomerID:	ATC55
CustomerPO:	204B505194
ProjectID:	

Attn: **Doug Sayer**
Atlas Technical
11117 Mockingbird Drive
Omaha, NE 68137

Phone:	(402) 697-9747
Fax:	(402) 597-8532
Received:	11/21/2022 11:00 AM
Collected:	11/18/2022

Project: **204B505194/Woodward**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	*Collected*	*Analyzed*	*Weight*	*RDL*	*Lead* ***Concentration***
PC WRC-1 *202210103-0001*	11/18/2022 Site: Basement	11/22/2022	0.2669 g	0.0080 % wt	0.048 % wt
PC WRC-2 *202210103-0002*	11/18/2022 Site: 1st Floor	11/22/2022	0.2819 g	0.0080 % wt	0.32 % wt
PC WRC-3 *202210103-0003*	11/18/2022 Site: 2nd Floor	11/22/2022	0.2630 g	0.0080 % wt	0.077 % wt
PC WRC-4 *202210103-0004*	11/18/2022 Site: 3rd Floor	11/22/2022	0.2591 g	0.0080 % wt	0.0098 % wt

The QC sample duplicate RPD result for Lead associated with sample -0004 was outside of the method control limits.

Owen Mckenna, Lead Laboratory Director
or other approved signatory

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* Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.
Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA LAP, LLC-ELLAP Accredited #100194, A2LA Accredited - Certificate #2845.01

Initial report from 11/28/2022 18:29:46

OrderID: 202210103

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Lead Chain of Custody

EMSL Order Number / Lab Use Only: 202210103

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
EMAIL: c@emsl.com

Customer Information		Billing Information	
Customer ID:	ATC55	Billing ID:	ATC55
Company Name:	Atlas Technical Consultants LLC	Company Name:	Atlas Technical Consultants LLC
Contact Name:	~~Eric Mueggenberg~~ Doug Sayer	Billing Contact:	Sally Schmitz
Street Address:	11117 Mockingbird Drive	Street Address:	11117 Mockingbird Drive
City, State, Zip:	Omaha NE 68137	City, State, Zip:	Omaha NE 68137
Country:	US	Country:	
Phone:	~~515-689-3216~~ 818-264-5642	Phone:	515-689-3216
Email(s) for Report:	~~Eric.Mueggenberg@oneatlas.com~~ Doug.Sayer@oneatlas.com	Email(s) for Invoice:	~~sally.schmitz~~@oneatlas.com susan.becker

Project Information

Project Name/No:	204BS05194 / Woodward	Purchase Order:	204BS05194
EMSL LIMS Project ID: (If applicable, EMSL will provide)		US State where samples collected:	IA
State of Connecticut (CT) must select project location:	☐ Commercial (Taxable) ☐ Residential (Non-Taxable)		
Sampled By Name:	ERIC BRONZE	Sampled By Signature:	Eric Bronze
No. of Samples in Shipment	4		

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☒ 1 Week ☐ 2 Week

Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only; samples must be submitted by 11:30am.

MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
CHIPS ☐ % by wt. ☒ ppm (mg/kg) ☐ mg/cm²	SW 846-7000B	Flame Atomic Absorption	0.008% (80ppm)	☒
*Reporting Limit based on a minimum 0.25g sample weight	SW 846-6010D*	ICP-OES	0.0004% (4ppm)	☐
AIR	NIOSH 7082	Flame Atomic Absorption	4µg/filter	☐
	NIOSH 7300M / NIOSH 7303M	ICP-OES	0.5µg/filter	☐
	NIOSH 7300M / NIOSH 7303M	ICP-MS	0.05µg/filter	☐
WIPE ☐ ASTM ☐ NON-ASTM	SW 846-7000B	Flame Atomic Absorption	10µg/wipe	☐
*If no box is checked, non-ASTM Wipe is assumed	SW 846-6010D*	ICP-OES	1.0µg/wipe	☐
TCLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
SPLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
TTLC	22 CCR App. II, 7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
STLC	22 CCR App. II, 7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
Soil	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
Wastewater	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
Unpreserved ☐ / Preserved with HNO3 ☐ PH<2	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	☐
Drinking Water	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	☐
Unpreserved ☐ / Preserved with HNO3 ☐ PH<2	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	☐
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	☐
Other:				☐

	Sample Number	Sample Location	Volume / Area	Date / Time Sampled
1.	PC WRC-1	BASEMENT		11/18/22
2.	PC WRC-2	1ST FLOOR		↓
3.	PC WRC-3	2ND FLOOR		↓
4.	PC WRC-4	3RD FLOOR		↓

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by: Eric Bronze	Date/Time: 11/18/22 14:30	Received by:	Date/Time
Relinquished by:	Date/Time:	Received by:	Date/Time: 11/21/22 11am.

Controlled Document - COC-25 Lead R16 4/19/2021

*6010C Available Upon Request

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

EMSL Analytical, Inc.
706 Gralin Street, Kernersville, NC 27284
Phone/Fax: (336) 992-1025 / (336) 992-4175
http://www.EMSL.com kernersvillelab@emsl.com

EMSL Order:	022306998
CustomerID:	ATC55
CustomerPO:	204B506333
ProjectID:	

Attn: **Steve Hudson**
Atlas Technical
11117 Mockingbird Drive
Omaha, NE 68137

Phone:	(402) 697-9747
Fax:	(402) 597-8532
Received:	10/10/2023 09:00 AM
Collected:	10/4/2023

Project: **WOODWARD MEDICAL CENTER 204B506333**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	*Collected*	*Analyzed*	*Weight*	*RDL*	*Lead* ***Concentration***
PC MC 1 *022306998-0001*	10/4/2023	10/13/2023	.2685 g	0.0080 % wt	<0.0080 % wt
PC MC 2 *022306998-0002*	10/4/2023	10/13/2023	.2692 g	0.0080 % wt	<0.0080 % wt
PC MC 3 *022306998-0003*	10/4/2023	10/13/2023	.1351 g	0.015 % wt	<0.015 % wt
PC MC 4 *022306998-0004*	10/4/2023	10/13/2023	.3827 g	0.0080 % wt	<0.0080 % wt
PC MC 5 *022306998-0005*	10/4/2023	10/13/2023	.2723 g	0.0080 % wt	<0.0080 % wt
PC MC 6 *022306998-0006*	10/4/2023	10/13/2023	.3565 g	0.0080 % wt	<0.0080 % wt

James Cole

James Cole, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.
* Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.
Samples analyzed by EMSL Analytical, Inc. Kernersville, NC AIHA LAP, LLC-ELLAP Accredited #102564

Initial report from 10/16/2023 15:07:59

OrderID: 022306998

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Lead Chain of Custody

EMSL Order Number / Lab Use Only

022306998

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
EMAIL: c@emsl com

Customer Information		Billing Information	
Customer ID:		Billing ID:	
Company Name:	Atlas Technical	Company Name:	Atlas Technical
Contact Name:	Steve Hudson	Billing Contact:	Steve Hudson
Street Address:	11117 Mockingbird Drive	Street Address:	11117 Mockingbird Drive
City, State, Zip:	Omaha NE 68137	City, State, Zip:	Omaha NE 68137
Country:	US	Country:	US
Phone:	402-697-9747	Phone:	402-697-9747
Email(s) for Report:	steve.hudson@oneatlas.com	Email(s) for Invoice:	

Project Information

Project Name/No:	WOODWARD MEDICAL CENTER 204BS06333	Purchase Order:	
EMSL LIMS Project ID: (If applicable, EMSL will provide)		US State where samples collected:	IA
State of Connecticut (CT) must select project location:	☐ Commercial (Taxable) ☐ Residential (Non-Taxable)		
Sampled By Name:	ERIC BROWN	Sampled By Signature:	Eric Brown
No. of Samples in Shipment	6		

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☒ 1 Week ☐ 2 Week

Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only, samples must be submitted by 11:30am

MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
CHIPS ☒ % by wt. ☐ ppm (mg/kg) ☐ mg/cm²	SW 846-7000B	Flame Atomic Absorption	0.008% (80ppm)	☒
*Reporting Limit based on a minimum 0.25g sample weight	SW 846-6010D*	ICP-OES	0.0004% (4ppm)	☐
AIR	NIOSH 7082	Flame Atomic Absorption	4µg/filter	☐
	NIOSH 7300M / NIOSH 7303M	ICP-OES	0.5µg/filter	☐
	NIOSH 7300M / NIOSH 7303M	ICP-MS	0.05µg/filter	☐
WIPE ☐ ASTM ☐ NON-ASTM	SW 846-7000B	Flame Atomic Absorption	10µg/wipe	☐
*If no box is checked, non-ASTM Wipe is assumed	SW 846-6010D*	ICP-OES	1.0µg/wipe	☐
TCLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
SPLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
TTLC	22 CCR App. II, 7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
STLC	22 CCR App. II, 7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
Soil	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
Wastewater	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
Unpreserved ☐ / Preserved with HNO3 ☐ PH<2	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	☐
Drinking Water	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	☐
Unpreserved ☐ / Preserved with HNO3 ☐ PH<2	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	☐
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	☐
Other.				☐

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
PC MC 1	OFFWHITE	BASEMENT	10/4/2023
PC MC 2	WHITE	BASEMENT	
PC MC 3	BLACK	BASEMENT	
PC MC 4	TAN	1ST FLOOR	
PC MC 5	LIGHT BLUE	1ST FLOOR	

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by: Eric Brown	Date/Time: 10/6/2023 18:00	Received by: EFX	Date/Time: 10-09-23
Relinquished by:	Date/Time:	Received by: JS	Date/Time: 10:10:23 9am

Controlled Document - COC-25 Lead R16 4/19/2021

*6010C Available Upon Request

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc 's Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer

6pc

EFX 7967 1803 4288 Page 1 Of 2

(3)

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Lead Chain of Custody

EMSL Order Number / Lab Use Only: 69998

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
EMAIL: c@emsl com

Customer Information

Customer ID:	
Company Name:	Atlas Technical
Contact Name:	Steve Hudson
Street Address:	11117 Mockingbird Drive
City, State, Zip:	Omaha NE 68137
Country:	US
Phone:	402-697-9747
Email(s) for Report:	steve hudson@oneatlas.com

Billing Information

Billing ID:	
Company Name:	Atlas Technical
Billing Contact:	Steve Hudson
Street Address:	11117 Mockingbird Drive
City, State, Zip:	Omaha NE 68137
Country:	US
Phone:	402-697-9747
Email(s) for Invoice:	

Project Information

Project Name/No:	WOODWARD MEDICAL CENTER 2043506333
Purchase Order:	
EMSL LIMS Project ID: (If applicable, EMSL will provide)	
US State where samples collected:	IA
State of Connecticut (CT) must select project location:	☐ Commercial (Taxable) ☐ Residential (Non-Taxable)
Sampled By Name:	ERIC BROWN
Sampled By Signature:	Eric Brown
No. of Samples in Shipment	6

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☒ 1 Week ☐ 2 Week

Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only; samples must be submitted by 11:30am.

MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
CHIPS ☒ % by wt ☐ ppm (mg/kg) ☐ mg/cm²	SW 846-7000B	Flame Atomic Absorption	0.008% (80ppm)	☒
*Reporting Limit based on a minimum *0.25g sample weight*	SW 846-6010D*	ICP-OES	0.0004% (4ppm)	☐
AIR	NIOSH 7082	Flame Atomic Absorption	4µg/filter	☐
	NIOSH 7300M / NIOSH 7303M	ICP-OES	0.5µg/filter	☐
	NIOSH 7300M / NIOSH 7303M	ICP-MS	0.05µg/filter	☐
WIPE ☐ ASTM ☐ NON-ASTM	SW 846-7000B	Flame Atomic Absorption	10µg/wipe	☐
*If no box is checked, non-ASTM Wipe is assumed	SW 846-6010D*	ICP-OES	1.0µg/wipe	☐
TCLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
SPLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
TTLC	22 CCR App. II, 7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
STLC	22 CCR App. II, 7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
Soil	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
Wastewater	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
Unpreserved ☐ / Preserved with HNO3 ☐ PH<2	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	☐
Drinking Water	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	☐
Unpreserved ☐ / Preserved with HNO3 ☐ PH<2	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	☐
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	☐
Other:				☐

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
PC MC 6	DARK BLUE	1ST FLOOR	10/4/2023

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by:	Date/Time:	Received by:	Date/Time
Relinquished by:	Date/Time:	Received by:	Date/Time

Controlled Document - COC-25 Lead R16 4/19/2021

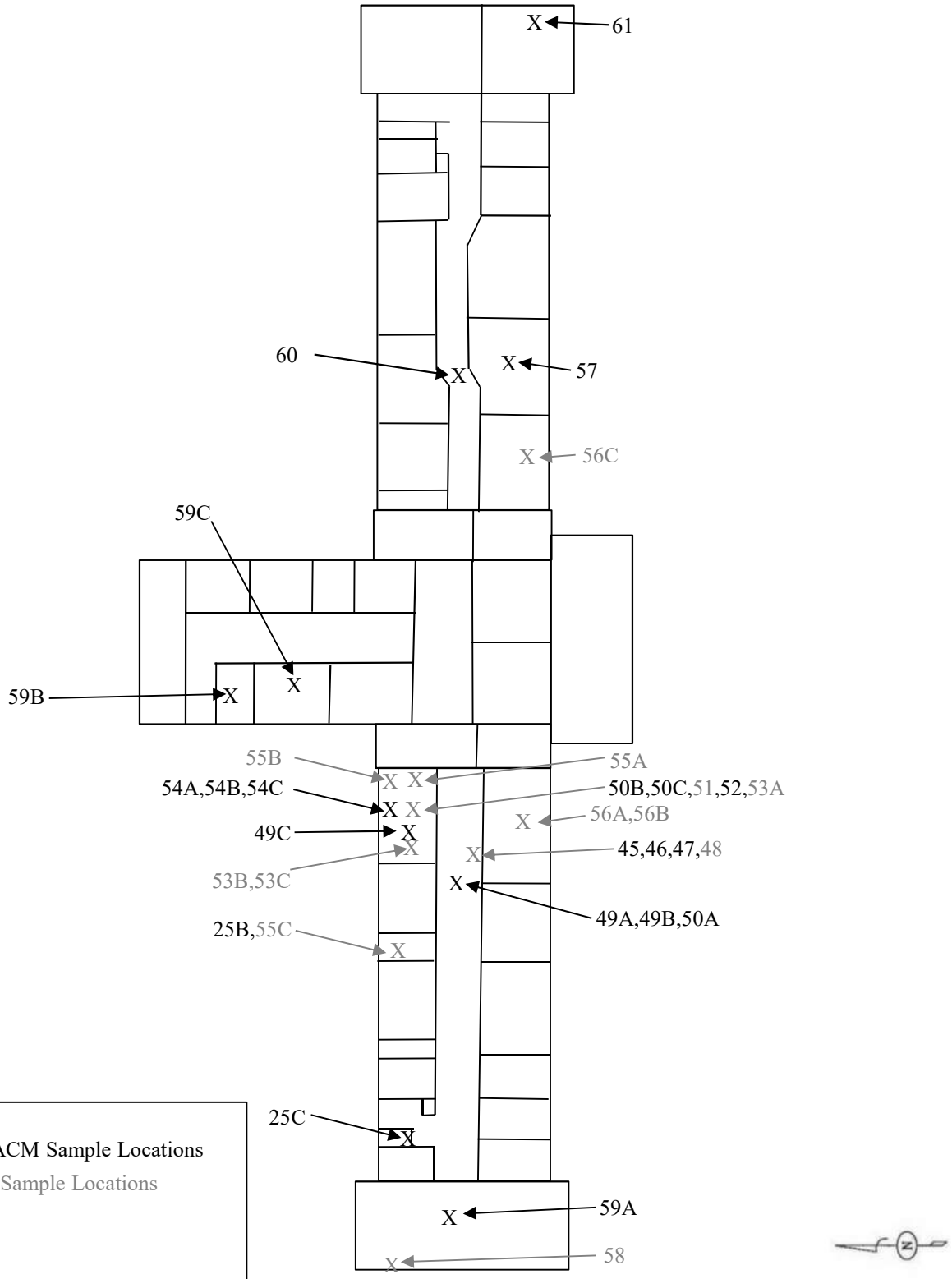
*5010C Available Upon Request

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc constitutes acceptance and acknowledgment of all terms and conditions by Customer

APPENDIX C

ASBESTOS SAMPLE LOCATIONS



ATLAS
4503 E 50th Street, Suite 800
Des Moines, IA 50317

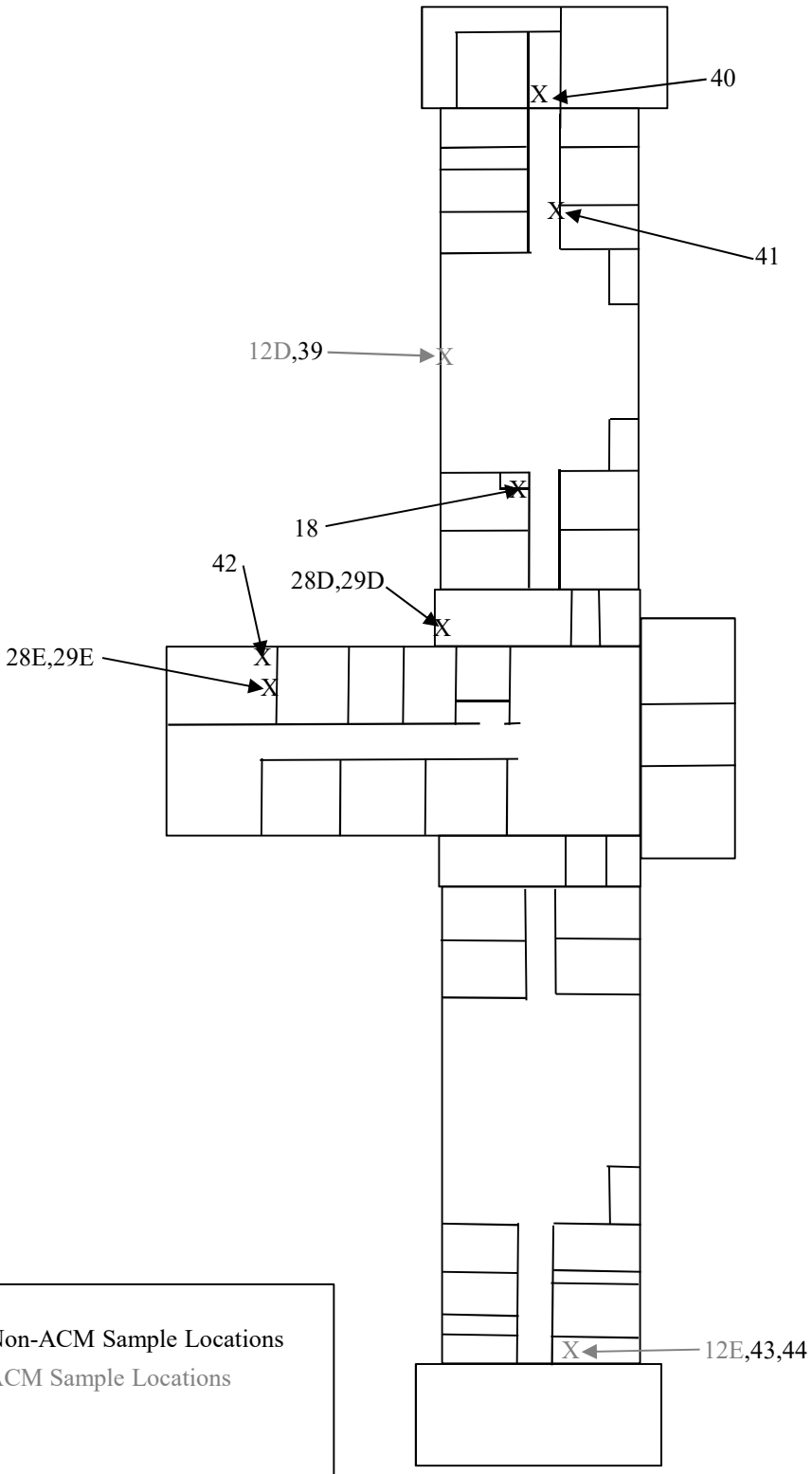
PROJECT NO: 204BS04414

DESIGNED BY: Atlas	SCALE: NTS	REVIEWED BY: EM
DRAWN BY: EM	DATE: 1/12/2022	FILE: SiteMap.PPT

SITE MAP

Medical Center
Basement

1251 224th St.
Woodward, IA 50276



Legend

X = Non-ACM Sample Locations

X = ACM Sample Locations

ATLAS

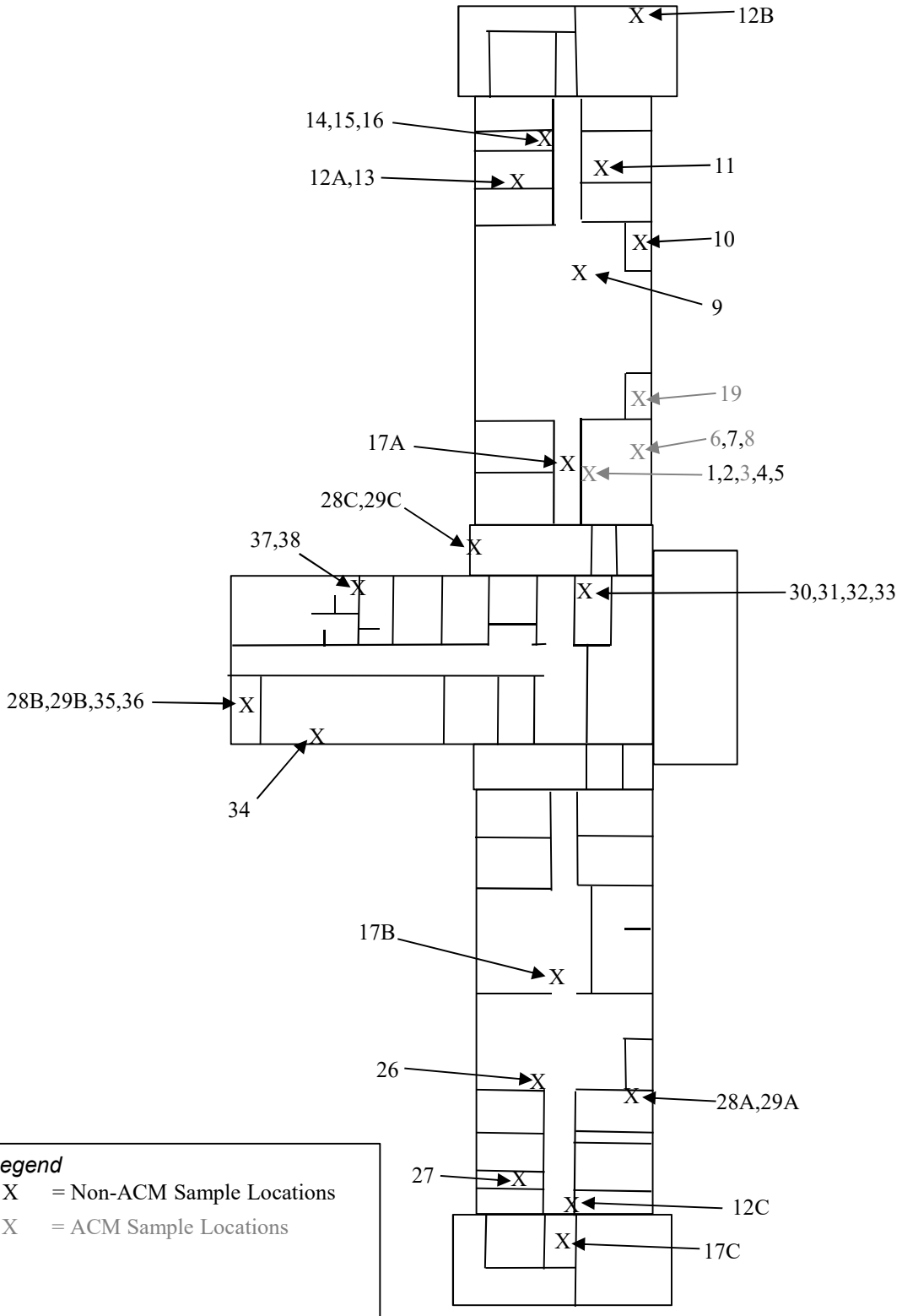
4503 E 50th Street, Suite 800
Des Moines, IA 50317

SITE MAP

Medical Center
First Floor

1251 224th St.
Woodward, IA 50276

PROJECT NO: 204BS04414		
DESIGNED BY: Atlas	SCALE: NTS	REVIEWED BY: EM
DRAWN BY: EM	DATE: 1/12/2022	FILE: SiteMap.PPT



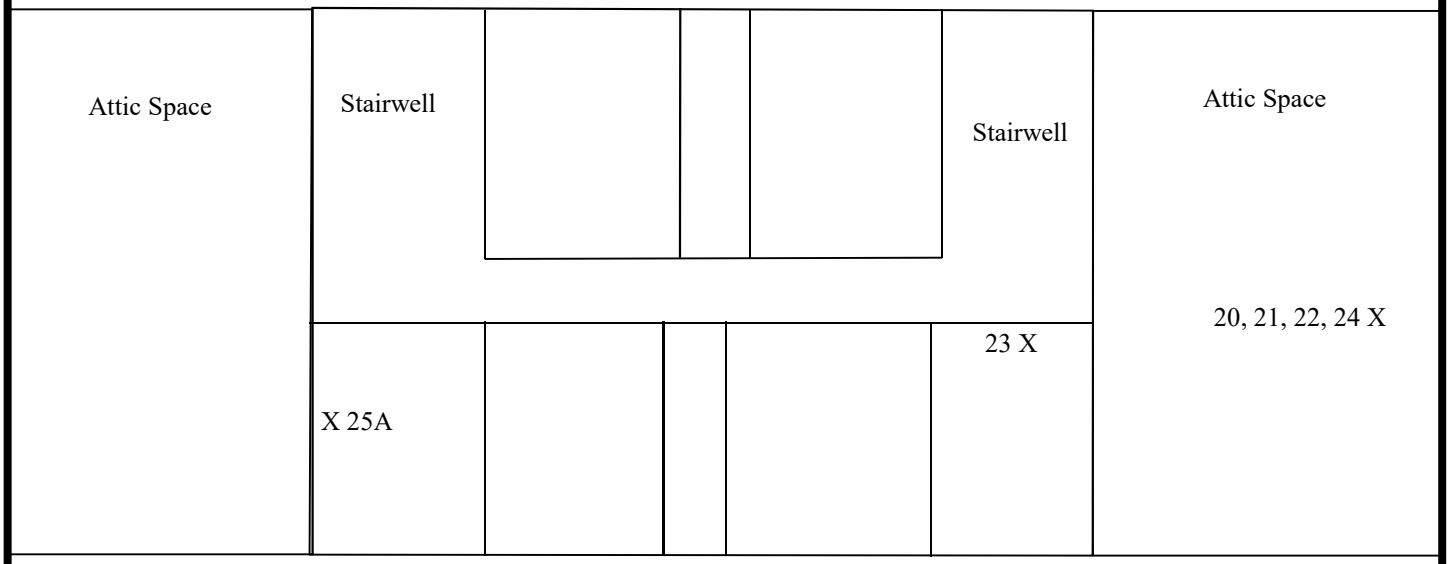
ATLAS
4503 E 50th Street, Suite 800
Des Moines, IA 50317

PROJECT NO: 204BS04414		
DESIGNED BY: Atlas	SCALE: NTS	REVIEWED BY: EM
DRAWN BY: EM	DATE: 1/12/2022	FILE: SiteMap.PPT

SITE MAP

Medical Center
Second Floor

1251 224th St.
Woodward, IA 50276



Legend

X = Non-ACM Sample Locations

X = ACM Sample Locations

ATLAS

4503 E 50th Street, Suite 800
Des Moines, IA 50317

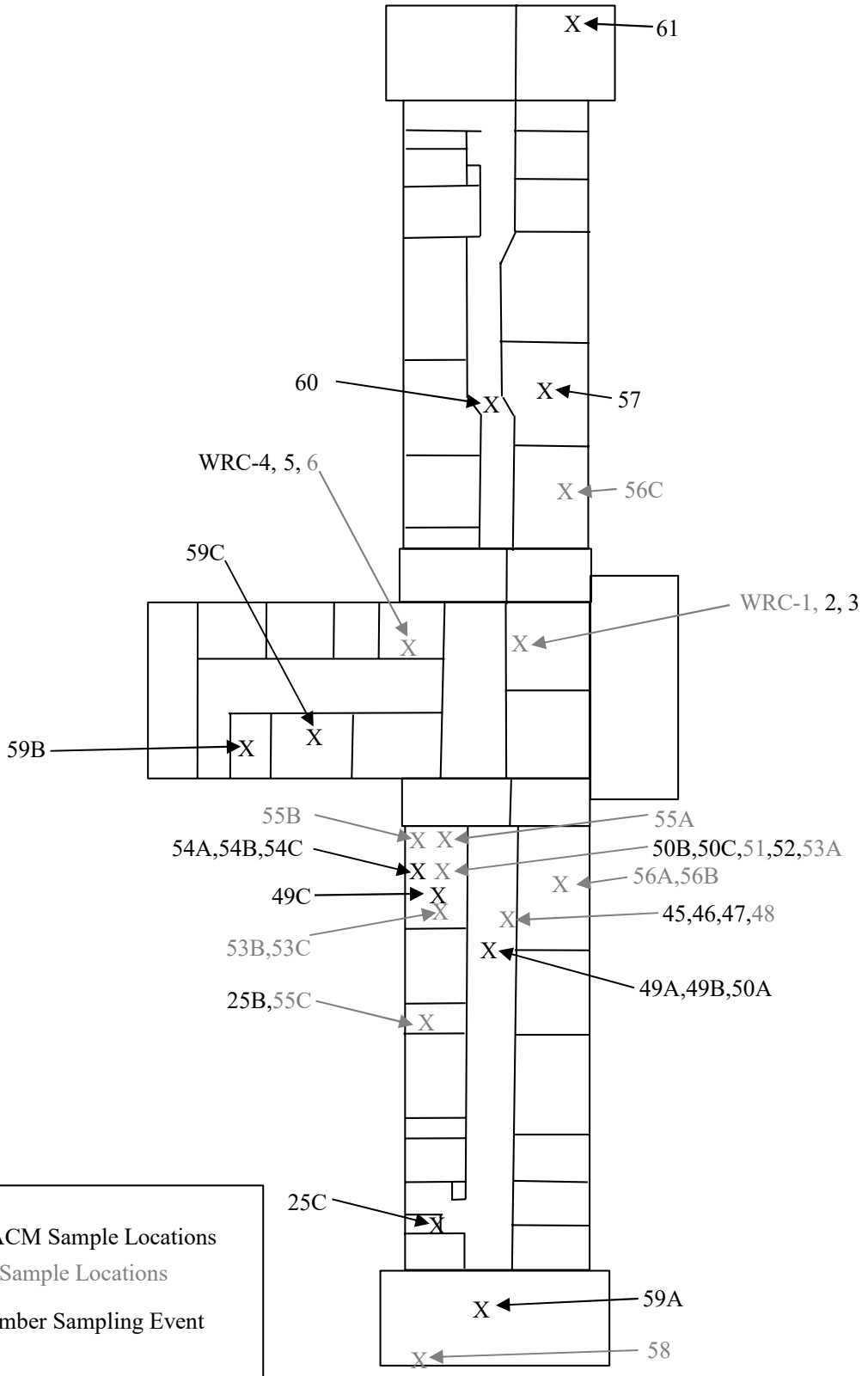
PROJECT NO: 204BS04414

DESIGNED BY: Atlas	SCALE: NTS	REVIEWED BY: EM
DRAWN BY: EM	DATE: 1/12/2022	FILE: SiteMap.PPT

SITE MAP

Medical Center
3rd Floor

1251 224th St.
Woodward, IA 50276



Legend

X = Non-ACM Sample Locations

X = ACM Sample Locations

WRC = November Sampling Event

ATLAS

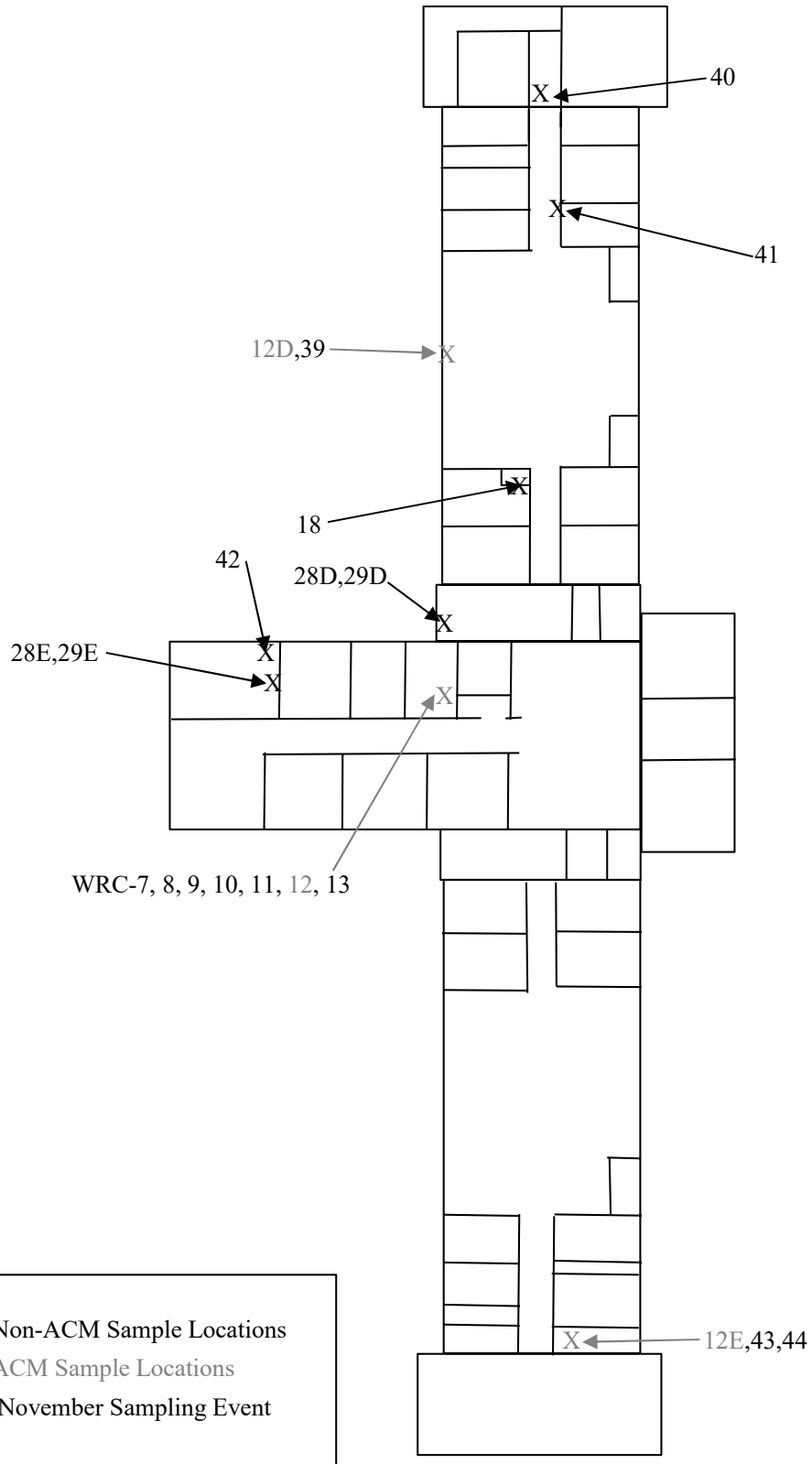
4503 E 50th Street, Suite 800
Des Moines, IA 50317

PROJECT NO: 204BS05174		
DESIGNED BY: Atlas	SCALE: NTS	REVIEWED BY: EM
DRAWN BY: EM	DATE: 12/7/2022	FILE: SiteMap.PPT

SITE MAP

Medical Center
Basement

1251 224th St.
Woodward, IA 50276



Legend

X = Non-ACM Sample Locations

X = ACM Sample Locations

WRC = November Sampling Event

ATLAS

4503 E 50th Street, Suite 800
Des Moines, IA 50317

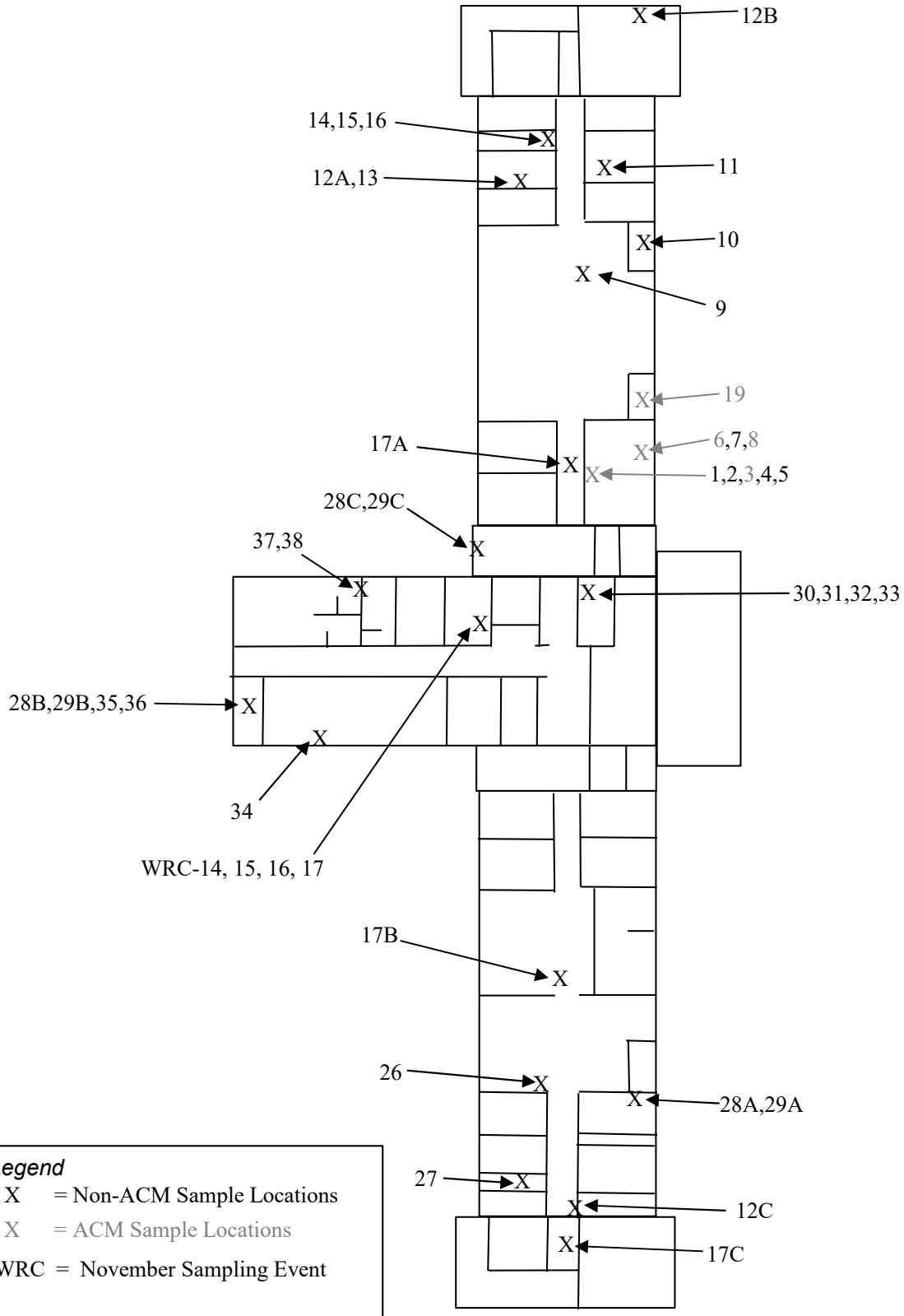
PROJECT NO: 204BS05194

DESIGNED BY: Atlas	SCALE: NTS	REVIEWED BY: EM
DRAWN BY: EM	DATE: 12/7/2022	FILE: SiteMap.PPT

SITE MAP

Medical Center
First Floor

1251 224th St.
Woodward, IA 50276



Legend

X = Non-ACM Sample Locations

X = ACM Sample Locations

WRC = November Sampling Event

ATLAS

4503 E 50th Street, Suite 800
Des Moines, IA 50317

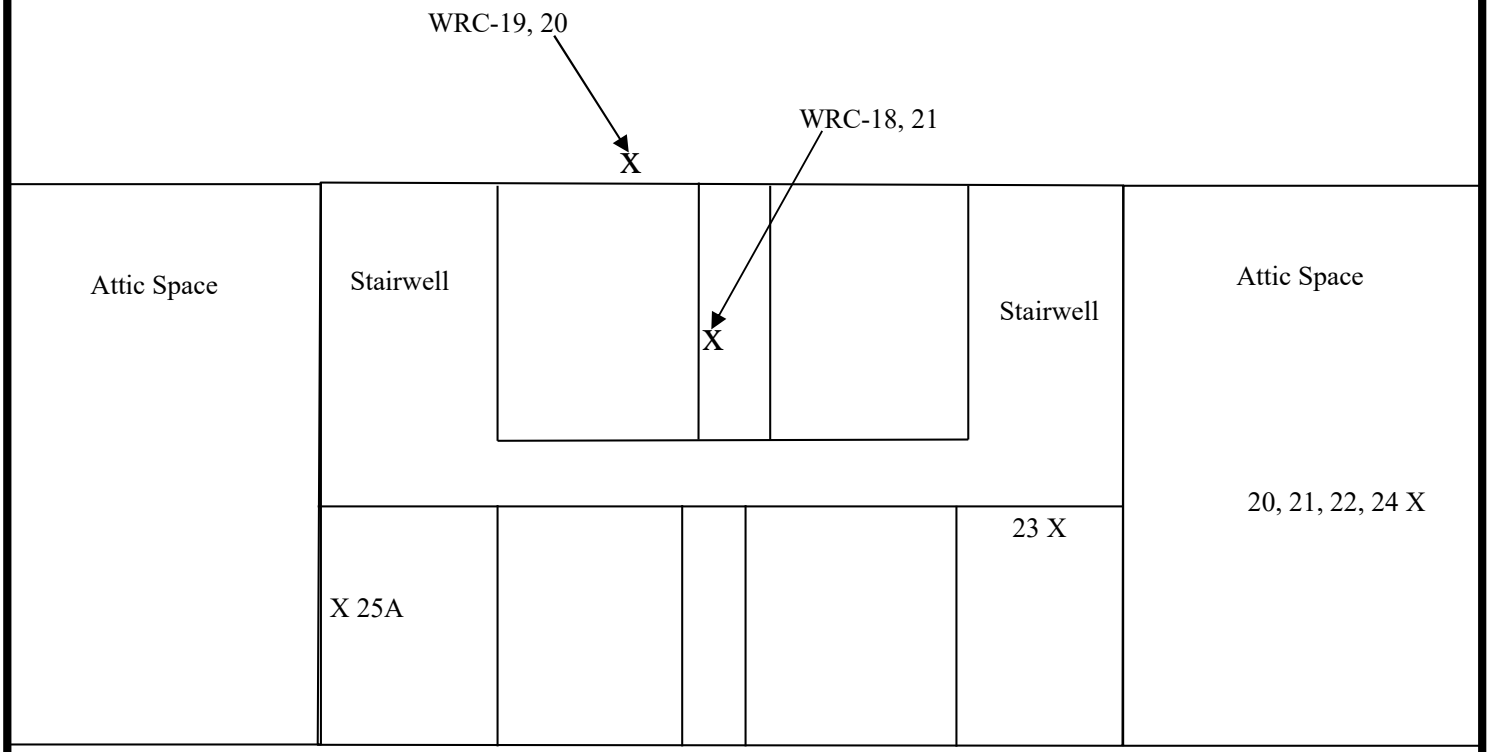
PROJECT NO: 204BS05194

DESIGNED BY: Atlas	SCALE: NTS	REVIEWED BY: EM
DRAWN BY: EM	DATE: 12/7/2022	FILE: SiteMap.PPT

SITE MAP

Medical Center
Second Floor

1251 224th St.
Woodward, IA 50276



Legend

X = Non-ACM Sample Locations

X = ACM Sample Locations

WRC = November Sampling Event

ATLAS

4503 E 50th Street, Suite 800
Des Moines, IA 50317

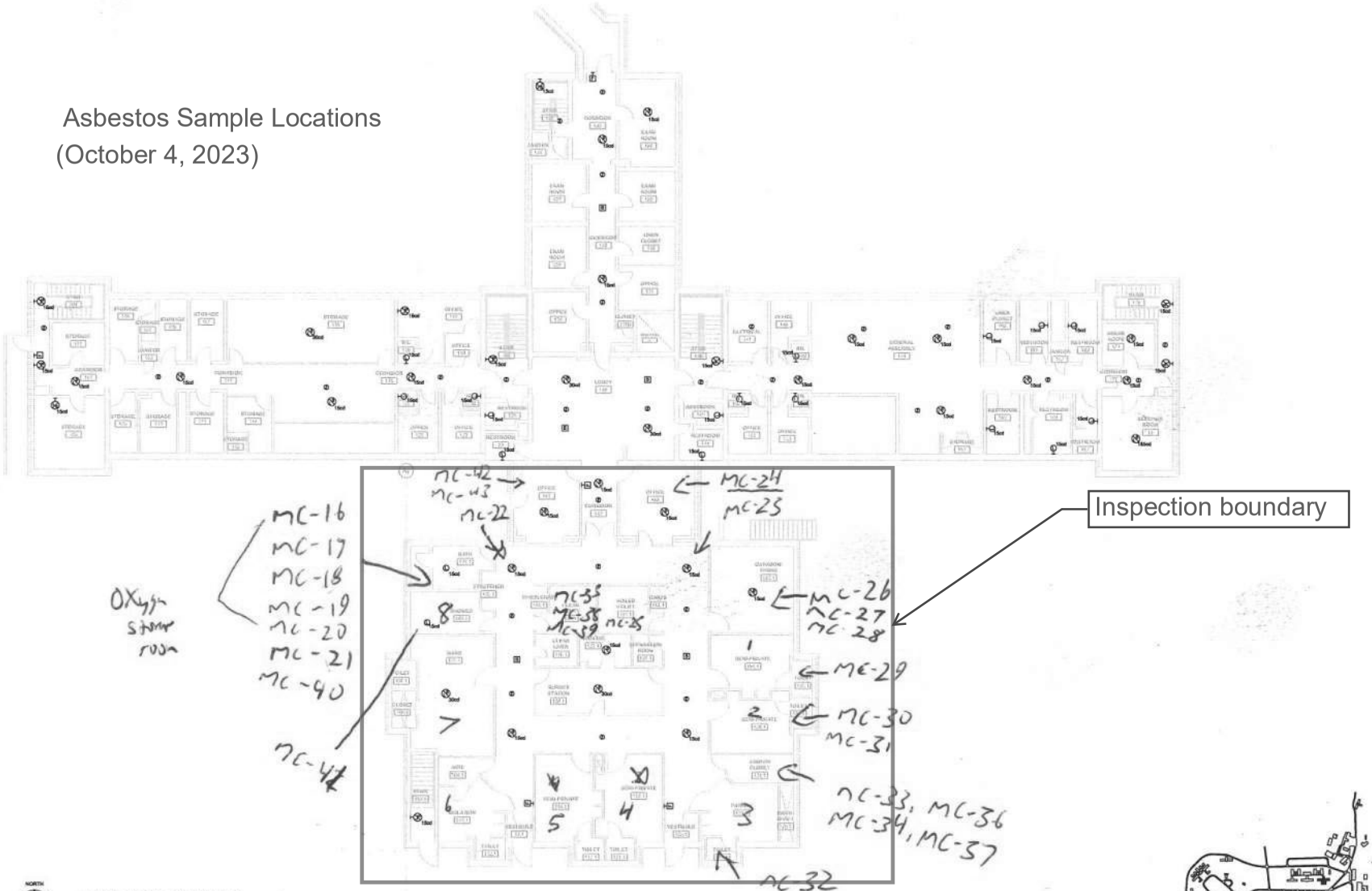
PROJECT NO: 204BS05194		
DESIGNED BY: Atlas	SCALE: NTS	REVIEWED BY: EM
DRAWN BY: EM	DATE: 12/7/2022	FILE: SiteMap.PPT

SITE MAP

Medical Center
3rd Floor

1251 224th St.
Woodward, IA 50276

Asbestos Sample Locations
(October 4, 2023)



FIRST FLOOR - SYSTEMS PLAN

KEY PLAN

SHIVEHATTERY

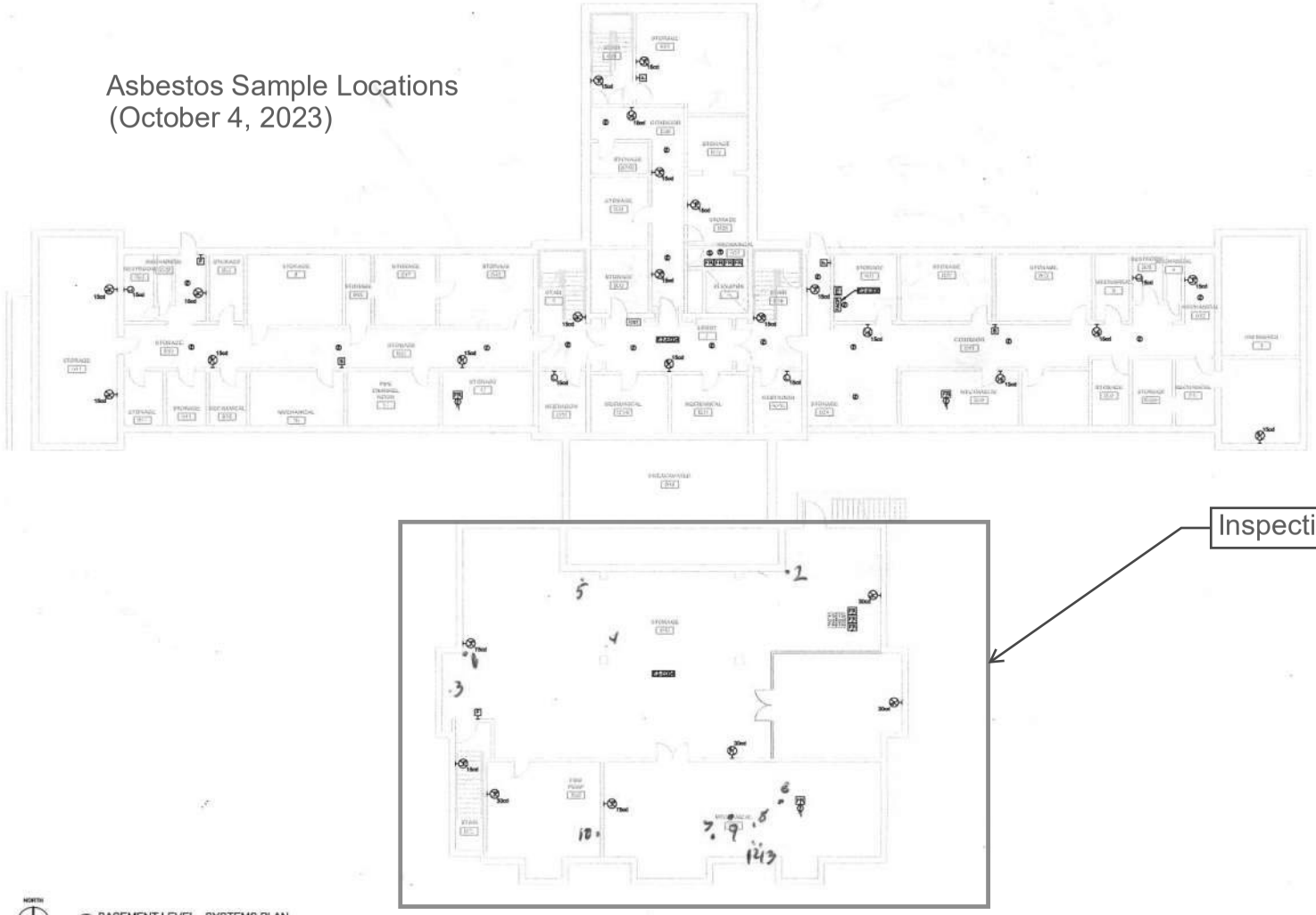
(#9294.01) WRC Fire Alarm Phase 2

PRELIMINARY - NOT FOR CONSTRUCTION

FIRST FLOOR SYSTEMS PLAN

12-E301

Asbestos Sample Locations
(October 4, 2023)



BASEMENT LEVEL - SYSTEMS PLAN

KEY PLAN

KEYNOTES	
KEY	NOTE
12-E004	ALL FIRE ALARM CABLING ON THIS FLOOR TO BE INSTALLED IN CONDUIT.
12-E005	EXTEND CIRCUIT FROM EXISTING FACP TO NEW CAP. REUSE EXISTING MULTI-MODE FIBER TO CONNECT NEW FACP.

SHIVEHATTERY

(#5234.01) WRC Fire Alarm Phase 2

PRELIMINARY - NOT FOR CONSTRUCTION

BASEMENT LEVEL SYSTEMS PLAN

12-E300

APPENDIX D

STAFF CERTIFICATIONS

ERIC MUEGGENBERG

DOB: 08-14-1978

Issued: 02-19-2021



This person is licensed to perform asbestos work in the State of Iowa. ID card is intended for official use only and must be present on jobsite.

License Type	Number	Expires
INSPECTOR	21-5776	02-16-2022
MANAGEMENT PLANNER	21-5777	02-16-2022
PROJECT DESIGNER	21-5778	02-17-2022

DIVISION OF IOWA LABOR

Asbestos

Rod A. Roberts

Rod A. Roberts
Labor Commissioner

ERIC BROWN

DOB: 05-07-1970

Issued: 02-19-2021



This person is licensed to perform asbestos work in the State of Iowa. ID card is intended for official use only and must be present on jobsite.

License Type	Number	Expires
INSPECTOR	21-5779	02-16-2022

DIVISION OF IOWA LABOR

Asbestos

Rod A. Roberts

Rod A. Roberts
Labor Commissioner

ERIC BROWN

DOB: 05-07-1970

Issued: 03-01-2022



This person is licensed to perform asbestos work in the State of Iowa. ID card is intended for official use only and must be present on jobsite.

License Type	Number	Expires
INSPECTOR	22-7943	02-09-2023

DIVISION OF IOWA LABOR

Asbestos

Rod A. Roberts

Rod A. Roberts
Labor Commissioner

ERIC BROWN

DOB: 05-07-1970

Issued: 02-08-2023



This person is licensed to perform asbestos work in the State of Iowa. ID card is intended for official use only and must be present on jobsite.

License Type	Number	Expires
INSPECTOR	23-9474	02-08-2024

DIVISION OF IOWA LABOR

Asbestos

Larry Johnson, Jr.
Labor Commissioner

APPENDIX E

PHOTOGRAPHS



View of the Woodward Medical Center

1



View of Blue Laminate Flooring (3% Chrysotile)

2

Photograph Log Medical Center 1251 334th Street Woodward, Iowa	**Atlas Technical Consultants, LLC** 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333



View of Tan Duct Sealant (2% Chrysotile)

3



View of White Window Glazing
(2% Anthophyllite 2-3% Chrysotile)

4

Photograph Log Medical Center 1251 334th Street Woodward, Iowa	**Atlas Technical Consultants, LLC** 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333



View of Drywall Mud (2% Chrysotile)

5



View of Gray Sink Insulation (5% Chrysotile)

6



View of 9″ x 9″ Brown and gray/beige with pink, white, blue, brown VFT (3-5% Chrysotile)

7



View of TSI 1″ Elbow (2% Chrysotile)

8



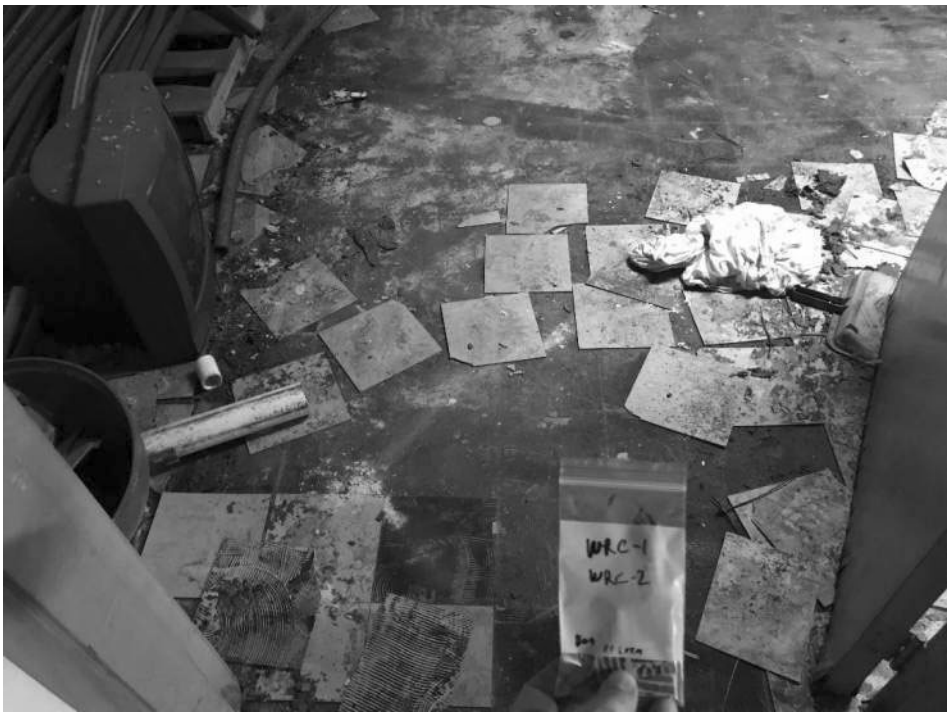
View of TSI 2″ Pipe (10-20% Amosite 5% Chrysotile)

9



View of TSI Aerocell (40-65% Chrysotile)

10



View of Beige 9″ x 9″ Vinyl Floor Tile in Basement (WRC-1, 5% Chrysotile)

11



View of Brown Cove Base Mastic in Basement (WRC-6, 3% Chrysotile)

12



View of Brown Ceiling Pucks on 1st Floor (WRC-12, 3% Chrysotile)

13



View of the Asbestos Containing TSI Run (Mastic/Sealant).
(South Wing, MC 7, 4% Chrysotile)

14



View of the Asbestos Containing TSI Run (Mastic/Sealant).
(South Wing, MC 8, 4% Chrysotile)

15



View of the Asbestos Containing Blue Vinyl Flooring on Stairs.
(South Wing, MC 14, 3% Chrysotile)

16



View of the Asbestos Containing Blue Vinyl Flooring.
(South Wing. MC 23, 3% Chrysotile)

17



View of the Asbestos Containing White Sink Insulation.
(South Wing, MC 25, 15% Chrysotile)

18



View of the Asbestos Containing Blue Vinyl Flooring.
(South Wing, MC 30, 2% Chrysotile)

19



View of the Asbestos Containing White Caulk. (South Wing, MC 32, <1% Chrysotile)

20



View of the Asbestos Containing White Sink Insulation.
(South Wing, MC 35, 8% Chrysotile)

21



View facing northwest at 1251 334th Street in Woodward, Iowa.	1



View of white paint on window frame and trough. (2.0 and 5.9 mg/cm^2)	2

Photograph Log 1251 334th Street Woodward, IA 50276 Lead Based Paint Survey	**Atlas** 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333



View of gray paint on plaster walls. (0.8 mg/cm^2)

3



View of very light tan paint on the window frames (1.9 mg/cm2)

4

Photograph Log 1251 334th Street Woodward, IA 50276 Lead Based Paint Survey	**Atlas** 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333



3

View of off-white paint on plaster walls. (13.4 mg/cm^2)

5



View of off-white paint on the walls (1.2 mg/cm2)

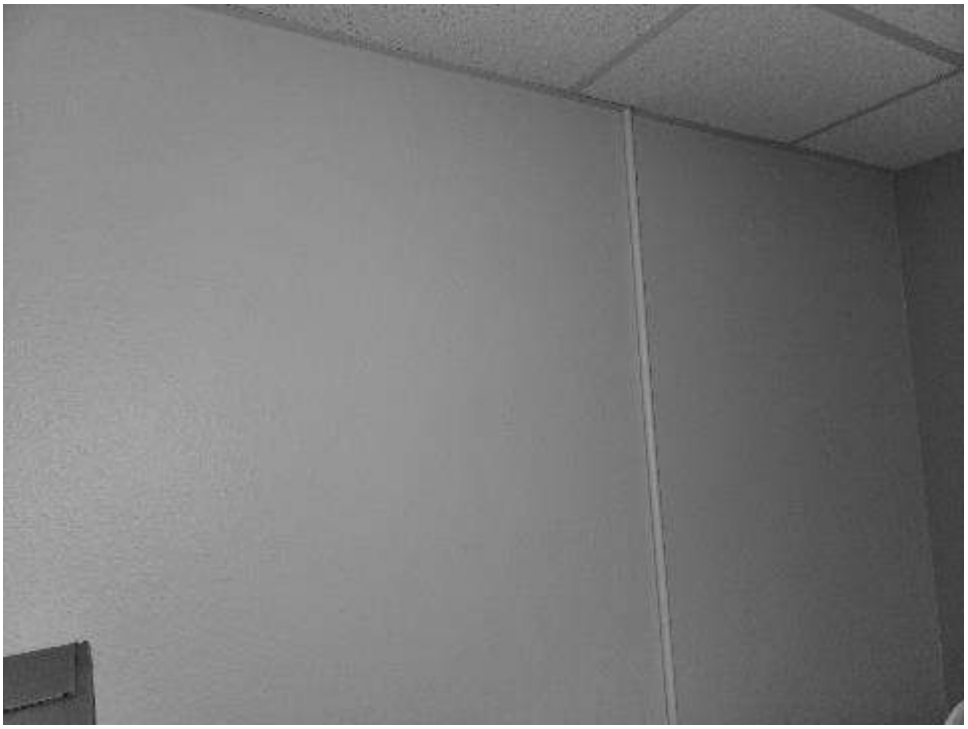
6

Photograph Log	**Atlas**
1251 334th Street Woodward, IA 50276 Lead Based Paint Survey	4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333



View of white paint on stair post and cage. (9.6 mg/cm^2)

7



View of light yellow paint on the plaster walls. (17.3 mg/cm2)

8

Photograph Log	**Atlas**
1251 334th Street Woodward, IA 50276 Lead Based Paint Survey	4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333



View of blue paint on metal attic access door. (1.0 mg/cm^2)

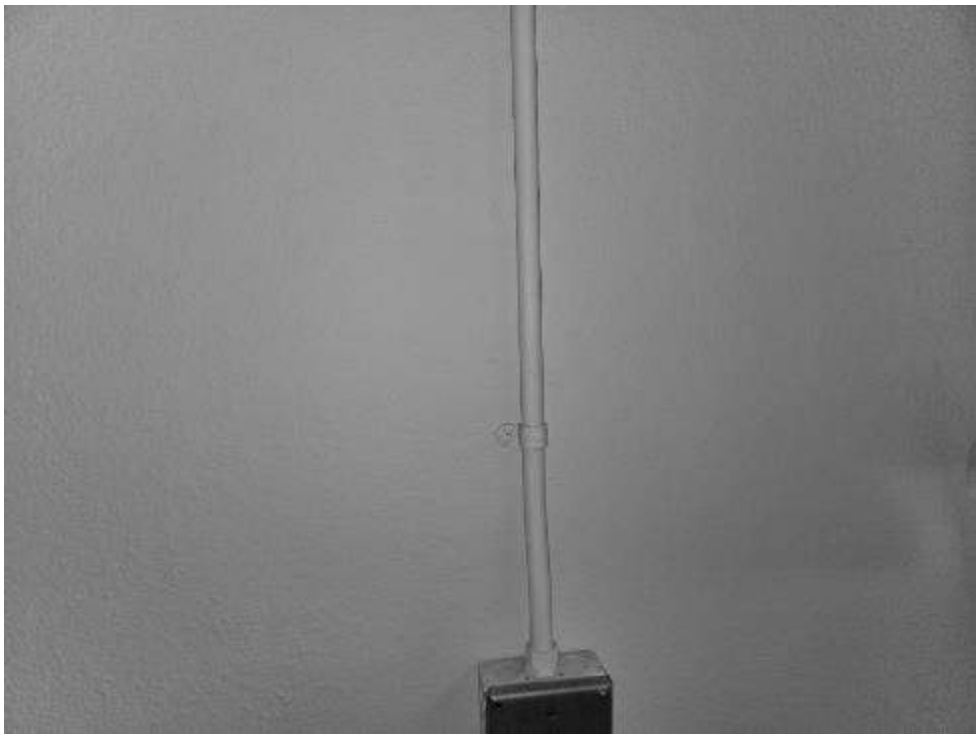
9



View of pink over orange paint on the plaster walls. (17.3 mg/cm2)

10

Photograph Log 1251 334th Street Woodward, IA 50276 Lead Based Paint Survey	**Atlas** 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333



View of white paint on plaster wall in N stairway. (17.9 mg/cm^2)

11



View of white paint on walls in basement. (0.048% wt)

13



View of light blue paint on walls on 1st floor. (0.32 % wt)

14



View of off-white paint on walls on 2nd floor (0.077% wt)

15

Photograph Log 1251 334th Street Woodward, IA 50276 Lead Based Paint Survey	**Atlas** 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333



View of off-white paint on walls on 3rd floor. (0.0098% wt)

16

HAZARDOUS BUILDING MATERIALS SURVEY REPORT

PREPARED FOR:

Story Construction
2810 Wakefield Circle
Ames, Iowa 50010

PROJECT LOCATION:

Administration Building
1251 334th Street
Woodward, Iowa 50276

Project Date: October 13 & 16, 2023

Report Date: November 9, 2023

Atlas Project ID: 204BS06333

Atlas Technical Consultants
4503 E 50th Street, Suite 800
Des Moines, IA 50317

November 9, 2023

Story Construction
Mr. Eli Ralston
Project Superintendent
2810 Wakefield Circle
Ames, Iowa 50010

Re: Hazardous Building Materials Survey Report
Administration Building
1251 334th Street
Woodward, Iowa 50276
Atlas Project Number: 204BS06333

Atlas is pleased to submit the attached Hazardous Building Materials Survey Report for the above-referenced site. This report includes procedures, methodologies and analytical laboratory results.

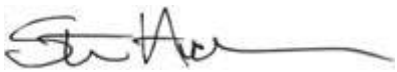
Atlas appreciates the opportunity to perform these services for the IDAS and Story Construction, and we look forward to working with you in the future. If you need any assistance with the implementation of the recommendations contained in this report, please feel free to give us a call at (515) 981-4528 and we will respond promptly to your needs.

Sincerely,

ATLAS TECHNICAL CONSULTANTS, LLC



Eric Brown
Iowa Inspector
(515) 981-4528



Steve Hudson, MS, CIH
Senior Project Manager
(402) 670-3842

T A B L E O F C O N T E N T S

LETTER OF TRANSMITTAL ..... **i**

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APPENDICES

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