Former Cherokee City Hall

Cherokee, OK

Owner: City of Cherokee

Final Remediation Report

OKLAHOMA
DEPARTMENT OF ENVIRONMENTAL QUALITY

SITE CLEANUP ASSISTANCE PROGRAM

Brownfields performed sampling in April of 2022

- Asbestos and lead-based paint located in building
- Over 1,200 sq.ft. of mastic and transite panels removed
- Over 10,000 sq.ft. and 450 ln. ft. of LBP removed
- Abatement completed in May of 2024
- Plan to use space for city storage and local laundromat

Table of Contents

Deeds and Legal Documents

"MANLY LEGAL BLANKS" FORM NO. 290-AF (ORDER BY NUMBER) MANLY OFFICE SUPPLY CO.—PRINTERS—OKLA. CITY

40

2018

WARRANTY DEED

Statutory Form—Individual

This Space Reserved for Filing Stamp

STATE OF OKLAHOMA) SS
COUNTY OF ALFALFA)
THIS INSTRUMENT WAS FILED FOR RECORD
AT 2:30 O'CLOCK P. M
DATE Aug. 1, 1974
AND DULY RECORDED IN BOOK 287
PAGE 401
FEE $ 2.30
ALICE WILSON, COUNTY CLERK
BY Alice Wilson DEPUTY

Know All Men by These Presents:

That Bobby L. Dickson and Louise V. Dickson, Husband and wife; and Elson L. Dickson and Martha L. Dickson Husband and wife;

of Alfalfa County, State of Oklahoma, parties of the first part, in consideration of the sum of Four Thousand and No/100 - DOLLARS in hand paid, the receipt of which is hereby acknowledged, does hereby Grant, Bargain, Sell and Convey unto The City of Cherokee, Oklahoma, a Municipal Corporation of Alfalfa County, State of Oklahoma, party of the second part, the following described real property and premises situate in Alfalfa County, State of Okkahoma, to-wit:

The South Twenty-one (21) feet of Lot Twenty-two (22), West of the Railroad Mill Switch;
The North Four (4), feet of the West One-hundred (100) feet of Lot Twenty-two (22);
The West One Hundred (100) feet of Lots Twenty-three (23) and Twenty-four (24), in Block Fifteen (15), in Original Town, now City of Cherokee, Alfalfa County, Oklahoma

together with all the improvements thereon and the appurtenances thereunto belonging, and warrant the title to the same.

TO HAVE AND TO HOLD said described premises unto the said party of the second part, its successors and assigns forever, free, clear and discharged of and from all former grants, charges, taxes, judgments, mortgages and other liens and incumbrances of whatsoever nature.

Signed and delivered this 25th day of May, 1974.

OKLAHOMA Date 8-1-74 CANCELLED $2.20 0195959
OKLAHOMA Date 8-1-74 CANCELLED $2.20 0195960

Bobby L. Dickson (signature)
Bobby L. Dickson
Louise V. Dickson (signature)
Louise V. Dickson
Elson L. Dickson (signature)
Elson L. Dickson
Martha L. Dickson (signature)
Martha L. Dickson

STATE OF OKLAHOMA
COUNTY OF Alfalfa } SS:

INDIVIDUAL ACKNOWLEDGMENT
Oklahoma Form

Before me, the undersigned, a Notary Public in and for said County and State on this 25th day of May, 1974, personally appeared Bobby L. Dickson and Louise V. Dickson, husband and wife; and Ekson L. Dickson and Maetha L. Dickson, husband and wife, to me known to be the identical persons who executed the within and foregoing instrument and acknowledged to me that each executed the same as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and seal the day and year last above written.

(SEAL)

My commission expires Oct 21-1975 Mildred Wright Notary Public

Manly Office Supply Co. Printers Okla. City

Filed for record Feb.25,1953 at 2:30 P.M. and recorded in Misc.110 page 458
Fee.$1.60 (seal) Pearl Higgins County Clerk

458

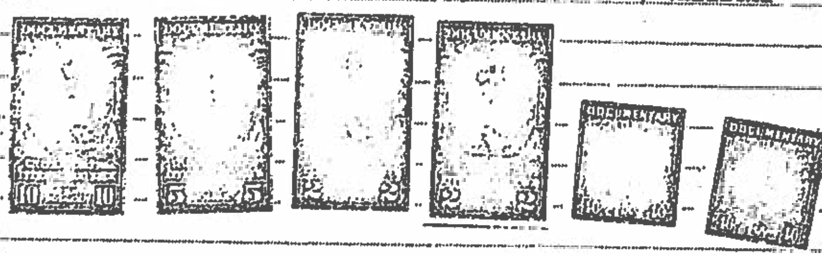
Warranty Deed---Statutory Form

Know All Men by These Presents, That Charles E. Knox and Vivian M. Knox, husband and wife,

parties of the First Part, in consideration of the sum of Eighteen Thousand and no/100 ($18,000.00) DOLLARS, in hand paid, the receipt of which is hereby acknowledged, do hereby grant, bargain, sell, and convey unto The City of Cherokee, Oklahoma, a Municipal Corporation,

the following described Real Property and Premises, situated in Alfalfa County, State of Oklahoma, to-wit:

Lots One (1), Two (2) and Three (3), in Block Fifteen (15), in the Original Town, now City, of Cherokee, Oklahoma



together with all the improvements thereon and the appurtenances thereunto belonging, and warrant the title to the same.

To Have and to Hold said described premises unto the said party of the second part, its successors and assigns forever, free, clear and discharged of and from all former grants, charges, taxes, judgments, mortgages and other liens and incumbrances of whatsoever nature

Signed and delivered this 21 day of February, 1953

(Charles E. Knox)

Vivian M Knox (Vivian M. Knox)

State of Oklahoma, Garfield County, ss.

BEFORE ME, a Notary Public in and for said County and State, on this 21st day of February, 1953, personally appeared Charles E. Knox and Vivian M Knox, his wife, to me known to be the identical persons who executed the within and foregoing instrument, and acknowledged to me that they executed the same as their free and voluntary act and deed for the uses and purposes therein set forth.

Witness my hand and official seal, the day and date above written.

My Commission expires 8-13, 1956 [signature], Notary Public

QUIT CLAIM DEED

FROM

J. C. Beaty et ux.

TO

City of Cherokee

STATE OF OKLAHOMA Alfalfa County, ss.

This instrument was filed for record on the 22 day of March 1935 at 9:10 o'clock A M., and duly recorded in Book 37 on Page 544 Fee $1.30

(SEAL) Robt. T. Allen
County Clerk.

By Arthur Immell Deputy.

THIS INDENTURE, Made this 16th day of May, A. D., 1932, between J. C. Beaty and H. F. Beaty, husband and wife, of the first part, and The City of Cherokee, a corporation, party of the second part,

WITNESSETH, That said part ies of the first part, in consideration of the sum of One and no/100 DOLLARS to them duly paid, the receipt of which is hereby acknowledged they remised, released and quit-claimed and by these presents do for them selves and their heirs, executors and administrators, remise, release and forever quit claim unto the said part y of the second part and to its successors and assigns, forever all their right title interest estate which they claim and demand both at law and equity in and to all the following described real estate and premises situated in Alfalfa County, State of Oklahoma, to-wit:

All of lotd 19, 20, 21, 22, 23, and 24 in Block 26; Lot 20 in Block 22; Lots 1,2,3,4, and 5 in block 12; The East 40 feet of lots 13, 14, 15, 16,-17 and 18 in block 22; Lots 19, 20 and 21 in Block 15; Lots 19, 20 and 21 in Block 25; Lots 15 and 16 in Block 26; The S½ of lot 3 and N½ of Lot 4 Block 3 Gilmore's Addition; All in the City of Cherokee; Also the South 21 ft. West of R.R. of lot 22 in Block 15 of the City of Cherokee, also Lots 13, 14 and 15 in Block 14 City of Cherokee, All in Alfalfa County, State of Oklahoma.

Together with all and singular hereditaments and appurtenances thereto belonging.

TO HAVE AND TO HOLD the above described premises unto the said City of Cherokee, its successors heirs and assigns, so that neither they the said J. C. Beaty and H. F. Beaty or any person in their name and behalf, shall or will hereinafter claim or demand any right or title to the said premises or any part thereof; but they and every one of them shall by these presents be excluded and forever barred.

IN WITNESS WHEREOF, The said part ies of the first part ha ve hereunto set their hand and seal the day and year first above written.

Signed, sealed and delivered in the presence of

J. C. Beaty

H. F. Beaty

STATE OF OKLAHOMA, Alfalfa County, ss.:

Before me the undersigned a Notary Public, in and for said County and State, on this 16th day of May, 1932, personally appeared J. C. Beaty and H. F. Beaty, husband and wife, to me known to be the identical person s who executed the within and foregoing instrument, and acknowledged to me that they executed the same as their free and voluntary act and deed for the uses and purposes therein set forth.

WITNESS my hand and official seal, the day and year above set forth.

My commission expires Oct 6th 1932 (SEAL)

P. R. Stokesberry
Notary Public.

(ORDER BY NUMBER)

This Space Reserved for Filing Stamp

QUIT CLAIM DEED

INDIVIDUAL FORM

THIS INDENTURE, Made this 18th day of December, A. D. 1990

between Max R. Gourley and Lawana Fair, being the sole and only heirs at law, devisees and legatees of W. E. Gourley, a/k/a W. Earl Gourley, whose estate was probated in Case No. P 84-34 in the District Court of Alfalfa County, State of Oklahoma, parties of the first part and City of Cherokee, Ok. a municipal corporation, party of the second part

Witnesseth, that said parties of the first part, in consideration of the sum of $1.00 and correction of title DOLLARS

to them in hand paid, the receipt of which is hereby acknowledged, does hereby quitclaim, grant, bargain, sell and convey unto the said party of the second part all their right, title, interest, estate, and every claim and demand, both at law and in equity, in and to all the following described property situate in Alfalfa County, State of Oklahoma, to-wit:

All that portion of Lots 19, 20, and 21, lying west of the Mill Spur or switch of the Denver, Enid and Gulf Railroad, now Atchison, Topeka and Santa Fe Railroad, in Block 15, Original Town (now City) of Cherokee, Alfalfa County, Oklahoma

STATE OF OKLAHOMA
COUNTY OF ALFALFA SS
THIS INSTRUMENT WAS FILED FOR RECORD
AT 8:30 O'CLOCK A M
DATE 2-1-91
AND DULY RECORDED IN BOOK 476
PAGE 970
KAYE ANN ... COUNTY CLERK
BY ... DEPUTY

together with all and singular the hereditaments and appurtenances thereunto belonging.

To Have and to Hold the above described premises unto the said City of Cherokee, a municipal corporation

its successors heirs and assigns forever, so that neither , the said grantors

nor any person in their name and behalf, shall or will hereafter claim or demand any right or title to the said premises or any part thereof; but they and everyone of them shall by these presents be excluded and forever barred.

In Witness Whereof, the said parties of the first part has hereunto set their hands the day and year first above written.

Max R. Gourley

Lawana Fair

STATE OF New York
COUNTY OF New York } ss:

INDIVIDUAL ACKNOWLEDGMENT
Oklahoma Form

Before me, the undersigned, a Notary Public in and for said County and State on this 27th day of December, 1990, personally appeared Max R. Gourley

to me known to be the identical person who executed the within and foregoing instrument and acknowledged to me that he executed the same as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and seal the day and year last above written.

Notary Public, State of New York
No. 24-...125
Qualified in Kings County
Certificate Filed in New York County
Commission Expires May 31, 1991

My commission expires ______ Notary Public

I-2014-071926 Book 0735 Pg: 668
12/09/2013 1:39 pm Pg 0668-0668
Fee: $ 13.00 Doc: $ 3.75
Laneta Unruh - Alfalfa County Clerk
State of Oklahoma

INDIVIDUAL
QUIT CLAIM DEED

THIS INDENTURE, made this _____ day of _____, 2013, between **Teddy Ray Argraves and Tammy Rae Argraves**, husband and wife, Grantors, and **The City of Cherokee, Oklahoma**, Grantee.

WITNESSETH, Grantors, in consideration of services rendered by Grantee to Grantors with a value of TWO THOUSAND FIVE HUNDRED DOLLARS ($2,500.00), do hereby quitclaim, grant, bargain, sell and convey unto Grantee all right, title, interest, estate, and every claim and demand, both at law and in equity, in and to all the following described property situated in Alfalfa County, State of Oklahoma, to-wit:

> Lots Four (4), Five (5) and Six (6) in Block Fifteen (15), Original Town of Cherokee, Alfalfa County, Oklahoma, according to the recorded plat thereof,

together with all and singular the hereditaments and appurtenances thereunto belonging.

TO HAVE AND TO HOLD the above described premises unto Grantee, its successors and assigns forever, so that neither the said Grantors nor any person in their name and behalf shall or will hereafter claim or demand any right or title to the said premises or any part thereof; but they and everyone of them shall by these presents be excluded and forever barred.

IN WITNESS WHEREOF, Grantors have hereunto set their hands the day and year first above written.

Delivered this 6th day of December, 2013.

Teddy Ray Argraves

Tammy Rae Argraves

STATE OF OKLAHOMA)
COUNTY OF ALFALFA)SS:

The foregoing instrument was acknowledged before me this 6th day of December, 2013, by Teddy Ray Argraves and Tammy Rae Argraves.

Notary Public

My commission expires:
No.: 13003815

NOTARY PUBLIC, State of Oklahoma
Commission #13003815
Alfalfa County
HANNAH HORSTMAN
My Commission Expires: 04/23/2017

Grantee's Address:
City of Cherokee
121 N. Grand
Cherokee, OK 73728

COUNTY CLERK ALFALFA COUNTY, OKLAHOMA

032264

QUIT CLAIM DEED

STATE OF OKLAHOMA SS
COUNTY OF ALFALFA
THIS INSTRUMENT WAS FILED FOR RECORD
AT 3:10 O'CLOCK PM
DATE Dec. 30, 2005 AND DULY
RECORDED IN BOOK 585 PAGE 81
DOCUMENTARY STAMPS $ -0-
BRUCE MARTIN, COUNTY CLERK
BY DEPUTY

KNOW ALL MEN BY THESE PRESENTS:

That **Donnie R. McDermott and Jo Melissa McDermott, his wife,** parties of the first part, in consideration of the sum of **Ten Dollars ($10.00),** and other valuable consideration, to them in hand paid, the receipt of which is hereby acknowledged, do they hereby, grant, bargain, sell and convey unto **City of Cherokee, Oklahoma,** party of the second part, the following described real property and premises situated in Alfalfa County, State of Oklahoma, to-wit:

6 **All of my right, title and interest in and to Lots 19, 20, 21, 22, 23, and 24, lying East of the railroad mill switch in Block 15, in the Original Town (now City) of Cherokee, Alfalfa County, Oklahoma.**

together with all and singular the hereditaments and appurtenances thereunto belonging.

TO HAVE AND TO HOLD the above described premises unto the said party of the second part, their heirs and assigns forever, free, clear and discharged of and from all former grants, charges, taxes, judgments, mortgages and other liens and incumbrances of whatsoever nature.

Signed and delivered this 28th day of July, 2005.

Donnie R. McDermott

Jo Melissa McDermott

STATE OF Oklahoma)
)ss:
COUNTY OF Alfalfa)

The foregoing instrument was acknowledged before me this 28th day of July, 2005, by **Donnie R. McDermott and Jo Melissa McDermott, his wife,** to me known to be the identical persons who executed the within and foregoing instrument and acknowledged to me that they executed the same as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and seal the day and year last above written.

My commission expires: 12-13-05
My commission #: 01019691
(Seal)

Notary Public

Return to: **City of Cherokee, Oklahoma**
119 North Grand
Cherokee, Oklahoma 73728

000481

$00
$00

971

INDIVIDUAL ACKNOWLEDGMENT (Oklahoma Form)

STATE OF California County of Orange, ss:

Before me the undersigned, a Notary Public, in and for said County and State, on this 28 day of January, 19 91, personally appeared Lavana Fair to me known to be the identical person who executed the within and foregoing instrument and acknowledged to me that she executed the same as her free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and seal the day and year last above written.

My commission expires: 4/16/91 JoAnn B Hessan Notary Public

INDIVIDUAL ACKNOWLEDGMENT (Oklahoma Form)

STATE OF California County of Orange, ss:

Before me the undersigned, a Notary Public, in and for said County and State, on this ____ day of ____, 19____, personally appeared ____ to me known to be the identical person ____ who executed the within and foregoing instrument and acknowledged to me that ____ executed the same as ____ free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and seal the day and year last above written.

My commission expires: ____ ____ Notary Public

CORPORATION ACKNOWLEDGMENT (Oklahoma Form)

STATE OF ____ County of ____, ss:

On this ____ day of ____, A. D., 19____, before me, the undersigned, a Notary Public in and for the county and state aforesaid, personally appeared ____ to me known to be the identical person who signed the name of the maker thereof to the within and foregoing instrument as its ____ President and acknowledged to me that ____ executed the same as ____ free and voluntary act and deed, and as the free and voluntary act and deed of said corporation, for the uses and purposes therein set forth.

Given under my hand and seal the day and year last above written.

My commission expires: ____ ____ Notary Public

When instrument is executed by a corporation, the corporate name must be shown and instrument signed by its President or Vice-President and attested by its Secretary or Assistant Secretary and the Corporate Seal affixed.

FORM NO. 280-AF (COMPLY BY NUMBER)

QUIT CLAIM DEED (Individual Form)

FROM

TO

STATE OF ____ ss:
County

This instrument was filed for record on the ____ day of ____, 19____ at ____ o'clock ____ M., and recorded in Book ____ of ____ at page ____ Fee $ ____

County Clerk.

By ____ Deputy.

RETURN TO

NOTARY ACKNOWLEDGMENT of SIGNATURE BY MARK (Oklahoma Form)

STATE OF ____ County of ____, ss:

Before me, ____, a Notary Public in and for said County and State on this ____ day of ____, 19____, personally appeared ____ to me known to be the identical person who executed the within and foregoing instrument by ____ mark in my presence and in the presence of ____ as witnesses and acknowledged to me that ____ executed the same as ____ free and voluntary act and deed for the uses and purposes therein set forth.

In Witness Whereof, I have hereunto set my hand and official seal the day and year last above written.

My commission expires: ____ ____ Notary Public

NOTE—The signature by mark of a lesser who cannot write his name must be witnessed by two witnesses, one of whom must write lesser's name.

This Intergovernmental Agreement (Agreement) between the Oklahoma Department of Environmental Quality (DEQ) and City of Cherokee (City) is for environmental cleanup services provided by DEQ for the Property located at 119 North Grand Ave, Cherokee, OK, 73728, Alfalfa County. The areas of responsibility and relationships presented herein provide the conceptual framework under which the project will be executed.

I. **STATUTORY AUTHORITY AND EFFECTIVE DATE:** This Agreement is authorized pursuant to and in accordance with the provisions of Title 27A Okla. Stat. (O.S.) § 2-3-201, 27A O.S. § 2-3-202, 74 O.S. § 581, and 74 O.S. § 1008. This Agreement shall begin on February 21, 2023 or when executed by all parties whichever date occurs of the later and will continue through February 20, 2024 or until completion of project or through an amendment whichever occurs first.

II. **ENVIRONMENTAL CLEANUP SERVICES:** The City has requested environmental cleanup assistance from DEQ. DEQ agrees to provide the environmental cleanup services outlined in the attached Statement of Work (**Exhibit "A"**) and the City agrees to these services.

III. **RESPONSIBILITIES OF ALL PARTIES:** The City and DEQ mutually agree that the responsibilities shall be as stated below:

1) City's Responsibilities: The City shall be responsible for the duties listed below and shall not hold DEQ responsible for any of the duties. Those duties shall include:
   a) Appoint a representative to serve as the central point of contact on matters relating to this Agreement and submit said representatives name and contact information to DEQ within ten (10) days of the effective date of this Agreement;
   b) Restrict occupant's use/presence in the facility during remediation, as requested. This could include but is not limited to removing equipment, vehicles and other items that may be in the way of cleanup activities;
   c) Attend routine update calls with DEQ during the remediation process; and
   d) Perform any continued operations and maintenance required to keep remedy protective. An Operations and Maintenance Plan will be provided by DEQ if necessary.
2) DEQ's Responsibilities: DEQ shall be responsible for the duties listed below and shall not hold the City responsible for any of the duties. Those duties shall include:
   a) Appoint a representative to serve as the central point of contact on matters relating to this Agreement and submit said representatives name and contact information to the City within ten (10) days of the effective date of this Agreement;
   b) Provide regular verbal progress reports via calls with the City;
   c) Manage work and cover costs associated with the environmental cleanup work outlined in the attached Statement of Work (**Exhibit "A"**);
   d) Supply the City with a final report of all DEQ activities within 90 days of completion of work.

IV. **ACCESS TO PROPERTY:** All access to property shall be enforced by the executed Environmental Access Permit that shall accompany this Agreement upon execution.

V. **PUBLIC INFORMATION:** The City is generally responsible for all public information. The City shall acknowledge the DEQ cleanup services outlined in this Agreement when making public statements regarding this building. The City will allow DEQ to place signs on the property during the environmental cleanup work. DEQ may make public announcements and respond to all inquiries relating to the environmental cleanup work in this Agreement. DEQ reserves the right to approve all press releases and publications where the agency is mentioned or included before publication. The agency shall provide a contact for publicity approval within ten (10) days of execution of the Agreement. The City shall have the agency's approval before using the DEQ logo or moving any DEQ signs the agency has placed. The City and DEQ shall give the other party advance notice before making any public statement regarding work contemplated, undertaken, or completed pursuant to this Agreement.

VI. **TERMINATION:** This Agreement is expressly contingent upon funding and shall terminate without penalty either in whole or in part if funds are not made available to DEQ. Either party may terminate this Agreement by giving written notice at least sixty (60) days prior to the desired date of cancellation.

VII. **ACCEPTANCE OF AGREEMENT**: The parties acknowledge and agree that they have read the Agreement and that they accept the responsibilities with which they are charged. The City agrees to comply with the building use restrictions during cleanup and understands that failure to comply with said restrictions or failure to adhere to the responsibilities enumerated in this Agreement may result in delayed remediation. This Agreement shall not affect any pre-existing or independent relationships or obligations between the parties. The City's Acceptance of this Agreement from DEQ constitutes acceptance of all current DEQ Purchasing terms and conditions. Terms and conditions are subject to change and may be found at https://www.deq.ok.gov/wp-content/uploads/deqmainresources/DEQ-Terms-and-Conditions.pdf

VIII. **UNAUTHORIZED OBLIGATION:** At no time during the performance of this Agreement shall the City have the authority to obligate DEQ for payment of any goods or services.

In witness whereof, this Agreement, consisting of four (4) pages has been executed and delivered effective as of the date first above written.

City of Cherokee
112 North Grand Ave
Cherokee, OK, 73728

Chad Rock 3-14-23

Authorized Representative Signature Date

Chad Rock City Manager

Authorized Representative Name, Title

Oklahoma Department of Environmental Quality
707 N. Robinson, P.O. Box 1677,
Oklahoma City, Oklahoma 73101-1677

Authorized Representative Signature Date

Kathy Aebischer, Director Administrative Services

Authorized Representative Name, Title

Exhibit “A”
Statement of Work

Environmental Access Permit

THIS PERMIT made and entered into by and between **City of Cherokee**, hereinafter called the PERMITOR, and the **DEPARTMENT OF ENVIRONMENTAL QUALITY**, hereinafter called the PERMITTEE.

WITNESSETH, PERMITTEE is hereby granted permission and authority to enter upon the following described property, situated in Alfalfa County, Oklahoma, hereinafter referred to as the "Property":

119 North Grand Ave, Cherokee, OK, 73728, Alfalfa County

Attached and incorporated by reference as Exhibit "A": Property Location Map

TERMS AND CONDITIONS OF PERMIT:

1. **TERM**: This Permit shall be for a period of 1 year beginning February 21, 2023, and ending February 20, 2024.

2. **USE OF PROPERTY**: PERMITTEE and its consults or contractors may enter upon said property for the performance of remedial activities, install, erect, operate, maintain, remove, and perform all work associated with said remedial activities. PERMITTEE and its consults and contractors shall have the right of ingress and egress, to and from said site across adjoining lands of the PERMITOR. PERMITOR and PERMITTEE acknowledge that all equipment and improvements of PERMITTEE to support the said operations shall be deemed personal property of PERMITTEE.

3. **MAINTENANCE**: PERMITTEE agrees that no other changes shall be made to the Property without prior written permission of the PERMITOR other than what is necessary for the purpose of the Permit.

4. **INDEMNIFICATION**: PERMITOR agrees on its behalf and that of any successors or assigns to hold harmless, defend and indemnify the PERMITTEE, its officers, agents, employees, representatives, successors, and assigns, from and against any and all losses, liabilities, expenses, claims, demands, injuries, damages, fines, penalties, costs or judgments, including, without limitation, attorney's fees and costs of any kind. Without waiving any defense or immunity, and subject to the Oklahoma Governmental Tort Claims Act, such indemnification shall exclude any such liability to the extent caused by the negligence or willful misconduct of the PERMITTEE, its officers, agents, employees, representatives, successors, and assigns while acting within the scope of their employment.

5. **NO WARRANTIES**: The PERMITTEE makes no representations or warranties of any kind in connection with this Permit. This Permit is subject to all existing conditions, restrictions, reservations, easements, servitudes and right of ways of record.

6. **ASSIGNMENT**: This Permit cannot be assigned in whole or in part without the written approval of the PERMITTEE.

7. **TERMINATION**: Either party may terminate this Permit, or any renewals of this Permit, by giving written notice at least sixty (60) days prior to the desired date of cancellation.

8. **APPLICABLE LAW**: This Permit shall supersede any and all previous agreements whether oral or written and shall be governed by the laws of the State of Oklahoma.

9. **NON-WAIVER**: Failure of either the PERMITOR or PERMITTEE to exercise any right given hereunder or to insist upon strict compliance with regard to any term, condition or covenant specified herein, shall not constitute a waiver of the PERMITOR or PERMITTEE'S right to exercise such right or to demand strict compliance with any term, condition or covenant under this Agreement.

10. **ENTIRE AGREEMENT:** This Permit constitutes the sole and entire agreement of the parties and is binding upon the PERMITOR and the PERMITTEE, their heirs successors, legal representatives and assigns.

PERMITOR: **City of Cherokee**
(Type or Print)

By: Chad Roach
(Signature)

Chad Roach City Manager
(Print Name and Title)

Date: 3/14/2023

PERMITTEE: **Oklahoma Department of Environmental Quality**

By: _____
(Signature)

Kathy Aebischer
(Print Name)
Director of Support Services, Administrative Services Division

Date: 3/14/2023

Exhibit “A”
Property Location Map

Inspection Reports

CHEROKEE OLD TOWN HALL

121 N. GRAND AVENUE
CHEROKEE, OK 73728

APRIL 20, 2022 | *LEAD-BASED PAINT INSPECTION & SETTLED-DUST SURVEY*

SERVICES PROVIDED FOR:

ODEQ Land Protection Division
Attention: Trenton Wilhelm | Environmental Programs Specialist
707 N. Robinson Avenue
Oklahoma City, OK 73102
405.702.5801| *trenton.wilhelm@deq.ok.gov*

SERVICES PROVIDED BY:

Marshall Environmental Management, Incorporated
Attention: Jamie Marshall | President
1301 North Martin Luther King Avenue
Oklahoma City, OK 73117
405.616.0401 | mem@marshallenvironmental.com

TABLE OF CONTENTS

CHEROKEE TOWN HALL

LEAD-BASED PAINT INSPECTION AND SETTLED LEAD-DUST SURVEY

CERTIFICATION

This is to certify that Marshall Environmental Management, Incorporated (MEM) was contracted by Trenton Wilhelm of the Oklahoma Department of Environmental Quality Land Protection Division, to conduct a Lead-Based Paint (LBP) Inspection and Settled Dust Survey (SDS) of the Cherokee Old Town Hall located at 121 North Grand Avenue in Cherokee, Oklahoma. This LBP Inspection and SDS was performed on March 29th of 2022, by an LBP Inspector and Risk Assessor certified by the Oklahoma Department of Environmental Quality (ODEQ). Painted surfaces were analyzed for lead content utilizing an X-Ray Fluorescence (XRF) direct-reading, data-logging instrument (Heuresis Pb200i XRF Lead Paint Analyzer). Training for the instrument was provided by an ODEQ/EPA-approved course as required prior to obtaining the ODEQ LBP Inspector/Risk Assessor Certification. The instrumentation utilized was calibrated in accordance with manufacture specifications; therefore, the analytical data resulting from this inspection event is believed to reflect the concentrations of lead in paint that were present at the time this inspection was performed.

CERTIFIED LEAD-BASED PAINT INSPECTOR/RISK ASSESSOR

April 20, 2022

Alex Lane | Industrial Hygiene Associate — Report Date

Industrial Hygienist Associate

ODEQ Lead-Based Certification: OKRASR13828

April 20, 2022

Jamie Marshall | MS| CIH — Report Date

President

ODEQ Lead-Based Certification: OKRASR13418

EXECUTIVE SUMMARY

On March 29th, 2022, MEM conducted a LBP inspection and SDS of the structure located at 121 North Grand Avenue in Cherokee, Oklahoma. According to the EPA, *Lead-Based Paint* is characterized as paint that contains lead in concentrations greater than or equal to 1-milligram per square centimeter (≥1-mg/cm^2). As a result of this lead-based paint inspection, **LBP was identified** on the original walls, ceilings, doors, door components, window components, baseboards, parking stripes, and angle iron at various locations throughout the building. (See attached floor plan and photo album for LPB components). The sampling location, substrate and color of paint identified as lead-based are summarized in the Analytical Findings portion of this report (Table I).

Furthermore, surface dust wipe samples were collected from floor surfaces and windowsills throughout the building to determine the extent of LBP contamination throughout the building. Subsequently, with the exception of surface wipe samples S-5 and S-6, all remaining surface wipe samples collected of the floors reported lead concentrations that exceeded the EPA Clearance value of 10-µg/ft^2. Alternatively, while lead was detected in the surface wipe samples collected on the windowsills, the concentrations detected for these samples were below the applicable Environmental Protection Agency (EPA) clearance levels. Settled dust wipe sample locations with concentrations of lead can be found in Table II on the following pages. The analytical data resulting from this LBP inspection and SDS is believed to reflect the concentration of lead in paint and/or dust that was present at the time this LBP inspection and SDS was performed. The correlating analytical data, floorplan diagrams and photographs and applicable certifications/licensures are included as an attachment to this report. The remainder of this report includes the Analytical Findings, Disclosure Statement, Legal Obligation as well as information regarding LBP.

HISTORICAL OVERVIEW OF PROPERTY & LEAD-BASED PAINT ACTIVITIES

The Cherokee Old Town Hall is one structure which is comprised of one-story, with a brick and concrete exterior, with drywall and plaster interior walls. The floors are comprised of concrete, carpeting, and floor tiles. Historical records on prior renovations were not provided for review nor was there evidence or information that would suggest that a prior LBP Inspection or Risk Assessment occurred at said dwelling.

SCOPE OF SERVICE

This LBP Inspection was accomplished so that the location(s) of paint that contain lead in concentrations ≥1-mg/cm^2, if present, could be identified. As part of this LBP Inspection, various painted surfaces, excluding non-fixed and factory-painted items, were representatively sampled, and analyzed for lead content. Readings were taken from each of the combinations listed below for each accessible area of the building.

- **Color:** Lead is added to paints for pigmentation and corrosion resistance. MEM assumes that paints of similar color contain similar amounts of lead and, therefore, each color observed was tested.
- **Substrate:** Lead is used as a primer for various substrates. However, similar to topcoats, the undercoat primer and other paint layers could be different. It is assumed that, on each substrate type in the building (e.g., metal, wood, wallboard, and stucco), primer and undercoat paint are consistently applied and contain similar quantities of lead, if any. Thus, each substrate observed was tested.
- **Building Components**: Building components (e.g., walls, floor, and ceiling) could have been painted with different colors of paint throughout the history of the building. It is assumed that the different components had different primers and undercoats applied even though the topcoat colors appeared similar. It is also

assumed that similar primer and paint had been applied underneath the top layer on similar building components. Thus, each building component observed was tested.

This LBP Inspection, however, was limited to certain aspects of the building construction that can restrict and/or prevent the complete inspection of hidden or inaccessible building components. Painted surfaces were analyzed for lead content utilizing an X-Ray Fluorescence (XRF), direct reading data-logging instrument *Heuresis Pb200i Lead Analyzer.* The south street-facing side of the structure(s) was identified as side *A*, and going in a clockwise direction, the remaining sides were categorized as side *B*, *C* and *D* respectively. Lastly, the client and/or owner representative were expected to provide access to the structure(s) in addition to notifying and providing, if necessary, an explanation of the LBP Inspection to the occupants. At the time this inspection was performed, no deviations from the scope of service occurred.

In addition to the LBP Inspection, samples were also collected of settled dust throughout the building. These samples were collected with a Lead Wipe that meets ASTM E1792 specifications utilizing a template. Utilizing disposable gloves, the wipe was used to sample the floor or windowsill firmly at an upper corner of the template to make "S"-like motions across the entire one square-foot (1-ft^2) template or measured surface area of the windowsill. The wipe was folded in half, keeping the dirty side in, and the wiping procedure was repeated in the original direction in a forward and back motion. The wipe filter was folded again, and the wiping procedure was repeated, concentrating on collecting dust from the edges and corners of the sample area. The wipe filter was folded and placed inside the polyethylene capped tube for laboratory analysis. Moreover, any settled dust sample collected from interior floor surfaces that contains lead in concentrations greater than 10-micrograms per-square-foot (>10-µg/ft2), >100-µg/ft2 for interior windowsills and >400-µg/ft^2 for window troughs and all other exterior surfaces, are defined as LBP hazards.

DISCLAIMER & STANDARD OF CARE

Although paint on various surfaces may not contain lead in concentrations that exceed the federal standard, a hazard could be presented if painted surfaces are disturbed. Occupational Safety and Health Administration (OSHA) regulations covering worker safety and health may apply when painted surfaces, lead-based paint or not, are disturbed The EPA pre-renovation rule requires that the contractor provide a copy of the booklet Protect Your Family from Lead in Your Home or Renovate Right: Important Lead Hazard Information for Families, Child Care Providers and Schools for any renovation that disturbs more than 2-square feet (2-ft2) of painted surface in a facility built before 1978. Furthermore, if renovation of any kind takes place the contractor should provide a copy of Renovate Right: Important Lead Hazard Information for Families, Child Care Providers and Schools. This Report was generated utilizing the EPA protocol referenced in the Certification portion of this Report. The analytical results associated with this inspection are only applicable on the date(s) indicated. Future activities may alter the results.

ANALYTICAL FINDINGS

The analytical data associated with this inspection detected LBP in various exterior and interior components (i.e., original walls, ceilings, door components, window components, parking stripes, baseboards, and angle iron). As such, the sample numbers in Table I below are indicative of the actual samples collected, though the room equivalent listed includes the rooms that contain building materials that should be treated as LBP-containing. Subsequently, the majority of the painted building components were intact, though some were faded or peeling. To determine the extent of the LBP contamination, an SDS was conducted throughout the building and the results are reported in Table II below. The analytical data for the LBP inspection and SDS is included in the Appendix to this Report.

TABLE I: XRF DATA (LBP SURFACES)

SAMPLE NUMBER	ROOM EQUIVALENT	BUILDING COMPONENT	SUBSTRATE	PAINT COLOR	PAINT CONDITION	LBP CONCENTRATION	ESTIMATED QUANTITY	LEAD BASED PAINT ACTIVITY	ESTIMATED ABATEMENT COST
5, 17, 24, 40-42, 46, 89-90, 98, 108-110, 116, 119-124, 134, 136, 140, 143, 149-152, 164, 199-201, 208-209	ROOM 1, 2, 4, 6, 14, 16, 17, 18, 19, 22, 25, 26, 27	WALLS & CEILINGS	PLASTER, METAL, AND BRICK	BIEGE, WHITE, RED, BLUE	INTACT, FADED	1.2 – 20.7-mg/cm2	~9,600 FT²	STABILIZATION	$45,000
127	ROOM 17	WINDOW TRIM	WOOD	WHITE	INTACT	4.1-mg/cm2	1	COMPONENT REMOVAL	$1,500
29, 30, 130, 131, 144, 145, 157	ROOM 4, 17, 18, 27	DOORS & COMPONENTS	WOOD, METAL	WHITE, BLUE	INTACT	1.7 – 16.3-mg/cm2	5	COMPONENT REMOVAL	$7,500
146	ROOM 18	BASEBOARD	WOOD	WHITE	INTACT	5-mg/cm2	~32 LINEAR FT	COMPONENT RMOVAL	$2,500
211	EXTERIOR SIDE D	ANGLE IRON	METAL	WHITE	FLAKING	7-mg/cm2	~116 LINEAR FT	STABILIZATION	$11,500
213	ROOM 16 & EXTERIOR	PARKING STRIPES	CONCRETE	YELLOW	INTACT	3.2-mg/cm2	~300 LINEAR FT	ENCAPSULATION	$9,500
199, 200, 208, 209	EXTERIOR	WALL	BRICK	RED, BLACK, WHITE	FADED	1.2 - 2.5-mg/cm2	~1,000 FT²	SCRAPE	$5,000
								ESTIMATED ABATEMENT COST	$82,500

TABLE II: SURFACE DUST ANALYTICAL SUMMARY

SAMPLE ID	ROOM EQUIVALENT	BUILDING COMPONENT/LOCATION	RESULTS	EPA CLEARANCE/ACTION LEVEL
S-01	ROOM 2	FLOOR - EAST	**27-µg/ft.²**	10-µg/ft.²
S-02	ROOM 1	FLOOR – EAST CENTER	**120-µg/ft.²**	10-µg/ft.²
S-03	ROOM 4	FLOOR - NORTH	**32-µg/ft.²**	10-µg/ft.²
S-04	ROOM 6	FLOOR – NORTH CENTER	**12-µg/ft.²**	10-µg/ft.²
S-05	ROOM 7	FLOOR - CENTER	<5.0-µg/ft.²	10-µg/ft.²
S-06	ROOM 10	FLOOR – WEST CENTER	<5.0-µg/ft.²	10-µg/ft.²
S-07	ROOM 14	FLOOR - SOUTHWEST	**150-µg/ft.²**	10-µg/ft.²
S-08	ROOM 17	FLOOR - CENTER	**500-µg/ft.²**	10-µg/ft.²
S-09	ROOM 18	FLOOR - NORTH	**200-µg/ft.²**	10-µg/ft.²
S-10	ROOM 25	FLOOR - CENTER	**27-µg/ft.²**	10-µg/ft.²

SAMPLE ID	ROOM EQUIVALENT	BUILDING COMPONENT/LOCATION	RESULTS	EPA CLEARANCE/ACTION LEVEL
S-11	ROOM 16	FLOOR – NORTH CENTER	**170-µg/ft.²**	10-µg/ft.²
S-12	ROOM 19	FLOOR - CENTER	**20-µg/ft.²**	10-µg/ft.²
S-13	ROOM 20	FLOOR - WEST	**51-µg/ft.²**	10-µg/ft.²
S-14	ROOM 21	FLOOR - EAST	**110-µg/ft.²**	10-µg/ft.²
S-15	ROOM 1	FLOOR – EAST DOOR ENTRY WAY	**130-µg/ft.²**	10-µg/ft.²
S-16	EXTERIOR	FLOOR – SOUTH DOOR SIDE A	**110-µg/ft.²**	10-µg/ft.²
S-17	EXTERIOR	FLOOR – CENTER DOOR SIDE A	**50-µg/ft.²**	10-µg/ft.²
S-18	ROOM 1	WINDOWSILL - CENTER	30-µg/ft.²	100-µg/ft.²
S-19	ROOM 2	WINDOWSILL - NORTH	28-µg/ft.²	100-µg/ft.²
S-20	ROOM 20	WINDOWSILL – EAST CENTER	39-µg/ft.²	100-µg/ft.²
S-21	ROOM 19	WINDOWSILL - NORTHEAST	13-µg/ft.²	100-µg/ft.²
S-22	ROOM 14	FLOOR - NORTHEAST	**55-µg/ft.²**	10-µg/ft.²
S-23	ROOM 16	FLOOR – SOUTHEAST DOORWAY	**43-µg/ft.²**	10-µg/ft.²
S-24	ROOM 27	FLOOR - CENTER	**68-µg/ft.²**	10-µg/ft.²
S-25	ROOM 5	FLOOR - CENTER	**21-µg/ft.²**	10-µg/ft.²
S-26	EXTERIOR	FLOOR – NORTH DOOR	**66-µg/ft.²**	10-µg/ft.²
S-27	EXTERIOR	FLOOR – NORTHWEST DOOR	**15-µg/ft.²**	10-µg/ft.²

µg/ft.² MICROGRAMS PER SQUARE FOOT

DISCLOSURE STATEMENT AND OWNERS' LEGAL OBLIGATION

Under Federal law (24 CFR Part 35 and 40 CFR Part 745), this LBP Inspection Report must be disclosed and made available to prospective tenants before becoming obligated under a lease or sales contract where LBP is present. If an Inspection finds that LBP is not present in certain multifamily dwelling units, which are to be leased, the dwelling unit(s) is exempt from disclosure requirements. However, under federal law **even if no LBP is identified** the owner is still required to fulfill certain legal responsibilities when the property is sold, not leased. Property owners and sellers are also required to distribute an educational pamphlet and include standard warning language in their leases or sales contracts to ensure that information is provided in order to protect children from LBP hazards.

Information regarding the legal obligation to disclose results associated with LBP inspections and/or risk assessments to tenants and/or purchasers can be obtained from the National Lead Information Center Clearinghouse (1-800-424-LEAD). This information is specified in 24 CFR Part 35 and 40 CFR Part 745 (published in the *Federal Register*, Volume 61, Number 45, April 6, 1996, beginning on p. 9064).

LEAD-BASED PAINT INFORMATION

You may contact the National Lead Information Center Clearinghouse (1-800-424-LEAD) to obtain United States Department of Housing and Urban Development (HUD) and EPA brochures, question and answer booklets, regulations, mentioned in this Report, and other information regarding LBP disclosure.

PART I: IDENTIFYING INFORMATION

OCCUPANT INFORMATION

Vacant

PROPERTY OWNER INFORMATION

City of Cherokee
121 North Grand Avenue
Cherokee, OK 73728

CERTIFIED LBP INSPECTOR/RISK ASSESSOR

Alex Lane
ODEQ Certification – OKRASR13828

Jamie Marshall
ODEQ Certification – OKRASR13418

CERTIFIED LBP FIRM

Marshall Environmental Management, Inc.
1301 N Martin Luther King Ave.
Oklahoma City, OK 73117
405.616.0401| mem@marshallenvironmental.com
ODEQ Certification – OKFIRM11160

LABORATORY ANALYSES PERFORMED BY:

Quantem Laboratories
2033 Heritage Park Drive
Oklahoma City, OK 73120-7502
800.822.1650 | www.quantem.com
Date of Sampling: 08/15/19

X-RAY FLUORESCE ANALYZER

Heuresis Pb200i Lead Analyzer
Serial Number: 1966

APPENDIX

XRF ANALYTICAL DATA

AREA DIAGRAM & PHOTO ALBUM

CERTIFICATION/LICENSURE

Cherokee Old Town Hall
119 N. Grand Avenue
Cherokee, Oklahoma 73728

Marshall Environmental Management
1301 North Martin Luther King Avenue
Oklahoma City, OK 73117

Company Heuresis Corp.
Model Pb200i
Type XRF Lead Paint Analyzer
Serial Num 1966
App Versio Pb200i-4.1-11

Reading #	Concentrat	Units	Result	Action Level	Date	Time	Analytic Mode	Room	Structure	Substrate	Wall	Color	Condition
2	0.1	mg/cm2	Negative	1	3/29/2022	13:24:05	Lead Paint	Calibrate					
3	0.1	mg/cm2	Negative	1	3/29/2022	13:24:16	Lead Paint	Calibrate					
4	0.1	mg/cm2	Negative	1	3/29/2022	13:24:31	Lead Paint	Calibrate					
5	8.1	mg/cm2	Positive	1	3/29/2022	13:34:58	Lead Paint	Room 1	Wall	Concrete	A	Beige	Intact
6	-0.4	mg/cm2	Negative	1	3/29/2022	13:37:48	Lead Paint	Room 1	Wall	Concrete	B	Beige	Intact
7	-0.4	mg/cm2	Negative	1	3/29/2022	13:38:25	Lead Paint	Room 1	Wall	Plaster	B	Beige	Intact
8	-0.2	mg/cm2	Negative	1	3/29/2022	13:38:53	Lead Paint	Room 1	Wall	Concrete	C	Beige	Intact
9	-0.2	mg/cm2	Negative	1	3/29/2022	13:39:19	Lead Paint	Room 1	Wall	Concrete	D	Beige	Intact
10	0	mg/cm2	Negative	1	3/29/2022	13:40:30	Lead Paint	Room 1	Door	Wood	D	White	Intact
11	0.2	mg/cm2	Negative	1	3/29/2022	13:41:24	Lead Paint	Room 1	Door Trim	Wood	D	White	Intact
12	0.4	mg/cm2	Negative	1	3/29/2022	13:42:26	Lead Paint	Room 1	Window Sill	Wood	A	White	Intact
13	0.2	mg/cm2	Negative	1	3/29/2022	13:43:15	Lead Paint	Room 1	Window Sill	Wood	A	White	Intact
14	0.1	mg/cm2	Negative	1	3/29/2022	13:44:15	Lead Paint	Room 1	Baseboard	Wood	A	White	Intact
15	-0.1	mg/cm2	Negative	1	3/29/2022	13:45:54	Lead Paint	Room 1	Trim	Wood	A	White	Intact
16	0	mg/cm2	Negative	1	3/29/2022	13:49:56	Lead Paint	Room 2	Wall	Plaster	A	Beige	Intact
17	8.6	mg/cm2	Positive	1	3/29/2022	13:51:23	Lead Paint	Room 2	Wall	Plaster	B	Beige	Intact
18	0.1	mg/cm2	Negative	1	3/29/2022	13:55:10	Lead Paint	Room 2	Wall	Plaster	C	Beige	Intact
19	-0.2	mg/cm2	Negative	1	3/29/2022	13:55:41	Lead Paint	Room 2	Wall	Concrete	C	Beige	Intact
20	0.1	mg/cm2	Negative	1	3/29/2022	13:57:11	Lead Paint	Room 2	Door	Wood	D	White	Intact
21	-0.1	mg/cm2	Negative	1	3/29/2022	13:57:57	Lead Paint	Room 2	Door Jamb	Wood	D	White	Intact
22	0.4	mg/cm2	Negative	1	3/29/2022	13:58:37	Lead Paint	Room 2	Window Sill	Wood	A	White	Intact
23	0	mg/cm2	Negative	1	3/29/2022	14:00:31	Lead Paint	Room 4	Wall	Plaster	A	White	Intact
24	15.4	mg/cm2	Positive	1	3/29/2022	14:01:01	Lead Paint	Room 4	Wall	Plaster	B	White	Intact
25	0	mg/cm2	Negative	1	3/29/2022	14:01:41	Lead Paint	Room 4	Wall	Plaster	C	White	Intact
26	0	mg/cm2	Negative	1	3/29/2022	14:02:06	Lead Paint	Room 4	Wall	Plaster	D	White	Intact
27	0.1	mg/cm2	Negative	1	3/29/2022	14:03:27	Lead Paint	Room 4	Ceiling	Plaster	D	White	Intact
28	0	mg/cm2	Negative	1	3/29/2022	14:04:38	Lead Paint	Room 4	Shelf	Wood	A	Green	Intact
29	1.7	mg/cm2	Positive	1	3/29/2022	14:05:48	Lead Paint	Room 4	Door Jamb	Metal	D	Blue	Intact
30	3.1	mg/cm2	Positive	1	3/29/2022	14:06:21	Lead Paint	Room 4	Door	Metal	D	White	Intact
31	-0.1	mg/cm2	Negative	1	3/29/2022	14:09:06	Lead Paint	Room 1	Wall	Concrete	D	Beige	Intact
32	0.1	mg/cm2	Negative	1	3/29/2022	14:09:39	Lead Paint	Room 1	Trim	Wood	D	Brown	Intact

33	-0.1	mg/cm2	Negative	1	3/29/2022	14:11:10	Lead Paint	Room 5	Wall	Drywall	A	Beige	Intact
34	-0.2	mg/cm2	Negative	1	3/29/2022	14:11:35	Lead Paint	Room 5	Wall	Drywall	B	Beige	Intact
35	-0.3	mg/cm2	Negative	1	3/29/2022	14:12:00	Lead Paint	Room 5	Wall	Drywall	C	Beige	Intact
36	-0.2	mg/cm2	Negative	1	3/29/2022	14:12:20	Lead Paint	Room 5	Wall	Drywall	D	Beige	Intact
37	0	mg/cm2	Negative	1	3/29/2022	14:13:23	Lead Paint	Room 5	Door	Wood	B	White	Intact
38	0	mg/cm2	Negative	1	3/29/2022	14:13:42	Lead Paint	Room 5	Door Jamb	Wood	B	White	Intact
39	0.1	mg/cm2	Negative	1	3/29/2022	14:15:25	Lead Paint	Room 6	Wall	Brick	A	White	Intact
40	5.1	mg/cm2	Positive	1	3/29/2022	14:15:49	Lead Paint	Room 6	Wall	Concrete	B	White	Intact
41	6.5	mg/cm2	Positive	1	3/29/2022	14:16:26	Lead Paint	Room 6	Wall	Concrete	B	Red	Intact
42	15.2	mg/cm2	Positive	1	3/29/2022	14:16:45	Lead Paint	Room 6	Wall	Concrete	C	Red	Intact
43	-0.1	mg/cm2	Negative	1	3/29/2022	14:17:16	Lead Paint	Room 6	Wall	Drywall	D	Red	Intact
44	0.1	mg/cm2	Negative	1	3/29/2022	14:20:26	Lead Paint	Room 22	Wall	Brick	A	White	Intact
45	0.1	mg/cm2	Negative	1	3/29/2022	14:21:00	Lead Paint	Room 22	Wall	Plaster	B	Beige	Intact
46	8	mg/cm2	Positive	1	3/29/2022	14:21:23	Lead Paint	Room 22	Wall	Plaster	C	Beige	Intact
47	0.5	mg/cm2	Negative	1	3/29/2022	14:22:08	Lead Paint	Room 22	Baseboard	Wood	C	White	Intact
48	0	mg/cm2	Negative	1	3/29/2022	14:24:57	Lead Paint	Room 7	Wall	Drywall	A	Blue	Intact
49	0.1	mg/cm2	Negative	1	3/29/2022	14:25:40	Lead Paint	Room 7	Wall	Drywall	B	Blue	Intact
50	0	mg/cm2	Negative	1	3/29/2022	14:26:07	Lead Paint	Room 7	Wall	Drywall	C	Blue	Intact
51	-0.3	mg/cm2	Negative	1	3/29/2022	14:26:32	Lead Paint	Room 7	Wall	Drywall	D	Blue	Intact
52	0.1	mg/cm2	Negative	1	3/29/2022	14:29:15	Lead Paint	Room 9	Wall	Drywall	A	White	Intact
53	-0.1	mg/cm2	Negative	1	3/29/2022	14:29:36	Lead Paint	Room 9	Wall	Drywall	B	White	Intact
54	0.1	mg/cm2	Negative	1	3/29/2022	14:29:53	Lead Paint	Room 9	Wall	Drywall	C	White	Intact
55	-0.1	mg/cm2	Negative	1	3/29/2022	14:30:15	Lead Paint	Room 9	Wall	Drywall	D	White	Intact
56	-0.2	mg/cm2	Negative	1	3/29/2022	14:30:44	Lead Paint	Room 9	Ceiling	Drywall	D	White	Intact
57	-0.1	mg/cm2	Negative	1	3/29/2022	14:31:58	Lead Paint	Room 24	Wall	Drywall	A	White	Intact
58	0	mg/cm2	Negative	1	3/29/2022	14:32:20	Lead Paint	Room 24	Wall	Drywall	B	White	Intact
59	-0.1	mg/cm2	Negative	1	3/29/2022	14:32:36	Lead Paint	Room 24	Wall	Drywall	C	White	Intact
60	0.1	mg/cm2	Negative	1	3/29/2022	14:32:55	Lead Paint	Room 24	Wall	Drywall	D	White	Intact
61	0	mg/cm2	Negative	1	3/29/2022	14:33:15	Lead Paint	Room 24	Ceiling	Drywall	D	White	Intact
62	0	mg/cm2	Negative	1	3/29/2022	14:34:01	Lead Paint	Room 10	Wall	Drywall	A	White	Intact
63	0	mg/cm2	Negative	1	3/29/2022	14:34:25	Lead Paint	Room 10	Wall	Drywall	B	White	Intact
64	-0.2	mg/cm2	Negative	1	3/29/2022	14:34:47	Lead Paint	Room 10	Wall	Drywall	C	White	Intact
65	0.1	mg/cm2	Negative	1	3/29/2022	14:35:07	Lead Paint	Room 10	Wall	Drywall	D	White	Intact
66	0	mg/cm2	Negative	1	3/29/2022	14:35:37	Lead Paint	Room 10	Ceiling	Drywall	D	White	Intact
67	-0.1	mg/cm2	Negative	1	3/29/2022	14:36:14	Lead Paint	Room 11	Wall	Drywall	A	White	Intact
68	-0.2	mg/cm2	Negative	1	3/29/2022	14:36:32	Lead Paint	Room 11	Wall	Drywall	B	White	Intact
69	0	mg/cm2	Negative	1	3/29/2022	14:36:50	Lead Paint	Room 11	Wall	Drywall	C	White	Intact
70	0	mg/cm2	Negative	1	3/29/2022	14:37:07	Lead Paint	Room 11	Wall	Drywall	D	White	Intact
71	0.1	mg/cm2	Negative	1	3/29/2022	14:38:06	Lead Paint	Room 11	Ceiling	Drywall	D	White	Intact
72	0.1	mg/cm2	Negative	1	3/29/2022	14:39:40	Lead Paint	Room 12	Wall	Drywall	A	White	Intact
73	0	mg/cm2	Negative	1	3/29/2022	14:40:02	Lead Paint	Room 12	Wall	Drywall	B	White	Intact
74	0	mg/cm2	Negative	1	3/29/2022	14:40:22	Lead Paint	Room 12	Wall	Drywall	C	White	Intact

75	0.1	mg/cm2	Negative	1	3/29/2022	14:40:43	Lead Paint	Room 12	Wall	Drywall	D	White	Intact
76	-0.1	mg/cm2	Negative	1	3/29/2022	14:41:18	Lead Paint	Room 12	Ceiling	Drywall	D	White	Intact
77	0	mg/cm2	Negative	1	3/29/2022	14:43:39	Lead Paint	Room 13	Wall	Drywall	A	White	Intact
78	0	mg/cm2	Negative	1	3/29/2022	14:44:08	Lead Paint	Room 13	Wall	Drywall	B	White	Intact
79	0.2	mg/cm2	Negative	1	3/29/2022	14:45:08	Lead Paint	Room 13	Wall	Brick	C	White	Intact
80	0.1	mg/cm2	Negative	1	3/29/2022	14:46:23	Lead Paint	Room 13	Wall	Brick	D	White	Intact
81	0	mg/cm2	Negative	1	3/29/2022	14:46:43	Lead Paint	Room 13	Wall	Drywall	D	White	Intact
82	0.1	mg/cm2	Negative	1	3/29/2022	14:47:44	Lead Paint	Room 13	Ceiling	Drywall	D	White	Intact
83	0.4	mg/cm2	Negative	1	3/29/2022	14:48:09	Lead Paint	Room 13	Floor	Drywall	D	White	Intact
87	-0.1	mg/cm2	Negative	1	3/29/2022	14:51:42	Lead Paint	Room 14	Wall	Brick	A	White	Poor
89	2.9	mg/cm2	Positive	1	3/29/2022	14:52:31	Lead Paint	Room 14	Wall	Brick	B	White	Poor
90	3	mg/cm2	Positive	1	3/29/2022	14:53:13	Lead Paint	Room 14	Wall	Brick	B	Blue	Poor
91	-0.1	mg/cm2	Negative	1	3/29/2022	14:54:04	Lead Paint	Room 14	Wall	Wood	B	Red	Intact
92	0.5	mg/cm2	Negative	1	3/29/2022	14:54:55	Lead Paint	Room 14	Wall	Brick	B	Red	Intact
93	0	mg/cm2	Negative	1	3/29/2022	14:55:55	Lead Paint	Room 14	Wall	Brick	C	White	Intact
94	0.1	mg/cm2	Negative	1	3/29/2022	14:57:08	Lead Paint	Room 14	Shelf	Wood	C	Red	Intact
95	-0.1	mg/cm2	Negative	1	3/29/2022	14:57:23	Lead Paint	Room 14	Shelf	Wood	C	Red	Intact
96	-0.1	mg/cm2	Negative	1	3/29/2022	14:58:14	Lead Paint	Room 14	Wall	Wood	C	White	Intact
97	0.1	mg/cm2	Negative	1	3/29/2022	14:58:48	Lead Paint	Room 14	Wall	Brick	C	White	Intact
98	2.8	mg/cm2	Positive	1	3/29/2022	14:59:13	Lead Paint	Room 14	Wall	Brick	C	Grey	Intact
99	0.5	mg/cm2	Negative	1	3/29/2022	15:07:10	Lead Paint	Room 15	Wall	Brick	A	White	Intact
100	0.1	mg/cm2	Negative	1	3/29/2022	15:07:38	Lead Paint	Room 15	Wall	Brick	B	White	Intact
101	0.1	mg/cm2	Negative	1	3/29/2022	15:08:09	Lead Paint	Room 15	Wall	Brick	C	White	Intact
102	0.3	mg/cm2	Negative	1	3/29/2022	15:08:29	Lead Paint	Room 15	Wall	Brick	D	White	Intact
103	0.2	mg/cm2	Negative	1	3/29/2022	15:08:55	Lead Paint	Room 15	Ceiling	Brick	D	White	Intact
104	0.1	mg/cm2	Negative	1	3/29/2022	15:12:25	Lead Paint	Room 16	Wall	Drywall	D	White	Intact
105	-0.1	mg/cm2	Negative	1	3/29/2022	15:13:03	Lead Paint	Room 16	Wall	Drywall	A	White	Intact
106	-0.3	mg/cm2	Negative	1	3/29/2022	15:13:25	Lead Paint	Room 16	Wall	Concrete	B	White	Intact
107	-0.1	mg/cm2	Negative	1	3/29/2022	15:14:17	Lead Paint	Room 16	Wall	Plaster	B	White	Intact
108	4.1	mg/cm2	Positive	1	3/29/2022	15:15:46	Lead Paint	Room 16	Wall	Plaster	C	White	Intact
109	8.5	mg/cm2	Positive	1	3/29/2022	15:16:24	Lead Paint	Room 16	Wall	Plaster	B	White	Intact
110	10.3	mg/cm2	Positive	1	3/29/2022	15:17:15	Lead Paint	Room 16	Wall	Plaster	D	White	Intact
111	0.2	mg/cm2	Negative	1	3/29/2022	15:20:33	Lead Paint	Room 16	Floor	Concrete	D	White	Intact
112	0	mg/cm2	Negative	1	3/29/2022	15:21:35	Lead Paint	Room 16	Door	Wood	A	White	Intact
113	0	mg/cm2	Negative	1	3/29/2022	15:21:54	Lead Paint	Room 16	Door Jamb	Wood	A	White	Intact
114	0	mg/cm2	Negative	1	3/29/2022	15:22:39	Lead Paint	Room 16	Baseboard	Wood	A	White	Intact
115	-0.1	mg/cm2	Negative	1	3/29/2022	15:23:49	Lead Paint	Room 25	Wall	Plaster	A	White	Intact
116	9.4	mg/cm2	Positive	1	3/29/2022	15:24:12	Lead Paint	Room 25	Wall	Plaster	B	White	Intact
117	-0.1	mg/cm2	Negative	1	3/29/2022	15:24:44	Lead Paint	Room 25	Wall	Plaster	C	White	Intact
118	4.6	mg/cm2	Positive	1	3/29/2022	15:25:26	Lead Paint	Room 25	Ceiling	Plaster	C	White	Intact
119	7.4	mg/cm2	Positive	1	3/29/2022	15:36:51	Lead Paint	Room 17	Wall	Plaster	A	White	Intact
120	7.3	mg/cm2	Positive	1	3/29/2022	15:37:39	Lead Paint	Room 17	Wall	Plaster	A2	White	Intact

121	9.7	mg/cm2	Positive	1	3/29/2022	15:38:08	Lead Paint	Room 17	Wall	Plaster	B	White	Intact
122	8.9	mg/cm2	Positive	1	3/29/2022	15:38:49	Lead Paint	Room 17	Wall	Plaster	B2	White	Intact
123	7.4	mg/cm2	Positive	1	3/29/2022	15:39:16	Lead Paint	Room 17	Wall	Plaster	C	White	Intact
124	9.8	mg/cm2	Positive	1	3/29/2022	15:39:41	Lead Paint	Room 17	Wall	Plaster	D	White	Intact
125	0.1	mg/cm2	Negative	1	3/29/2022	15:40:26	Lead Paint	Room 17	Shelf	Wood	C	White	Intact
126	0	mg/cm2	Negative	1	3/29/2022	15:40:51	Lead Paint	Room 17	Shelf door	Wood	C	White	Intact
127	4.1	mg/cm2	Positive	1	3/29/2022	15:42:04	Lead Paint	Room 17	Window Trim	Wood	C	White	Intact
128	4.8	mg/cm2	Positive	1	3/29/2022	15:43:24	Lead Paint	Room 17	Ceiling	Plaster	C	White	Intact
129	1	mg/cm2	Positive	1	3/29/2022	15:43:50	Lead Paint	Room 17	Ceiling	Wood	C	Red	Intact
130	16.3	mg/cm2	Positive	1	3/29/2022	15:47:57	Lead Paint	Room 17	Door	Wood	D	White	Intact
131	3.4	mg/cm2	Positive	1	3/29/2022	15:48:14	Lead Paint	Room 17	Door Jamb	Wood	D	White	Intact
132	0.7	mg/cm2	Negative	1	3/29/2022	15:49:26	Lead Paint	Room 26	Wall	Concrete	A	White	Intact
133	0.7	mg/cm2	Negative	1	3/29/2022	15:49:56	Lead Paint	Room 26	Wall	Concrete	B	White	Intact
134	1.3	mg/cm2	Positive	1	3/29/2022	15:50:24	Lead Paint	Room 26	Wall	Concrete	C	White	Intact
135	0.5	mg/cm2	Negative	1	3/29/2022	15:51:02	Lead Paint	Room 26	Wall	Concrete	D	White	Intact
136	20.7	mg/cm2	Positive	1	3/29/2022	15:51:25	Lead Paint	Room 26	Wall	Metal	C	White	Intact
137	0.8	mg/cm2	Negative	1	3/29/2022	15:52:19	Lead Paint	Room 26	Ceiling	Metal	C	White	Intact
138	1	mg/cm2	Positive	1	3/29/2022	15:53:05	Lead Paint	Room 26	Shelf	Wood	D	White	Intact
140	8.3	mg/cm2	Positive	1	3/29/2022	15:55:00	Lead Paint	Room 18	Wall	Plaster	A	White	Intact
141	5.9	mg/cm2	Positive	1	3/29/2022	15:55:18	Lead Paint	Room 18	Wall	Plaster	B	White	Intact
142	6.6	mg/cm2	Positive	1	3/29/2022	15:55:35	Lead Paint	Room 18	Wall	Plaster	C	White	Intact
143	6.6	mg/cm2	Positive	1	3/29/2022	15:55:52	Lead Paint	Room 18	Wall	Plaster	D	White	Intact
144	5	mg/cm2	Positive	1	3/29/2022	15:56:21	Lead Paint	Room 18	Door	Wood	D	White	Intact
145	4.6	mg/cm2	Positive	1	3/29/2022	15:56:38	Lead Paint	Room 18	Door Jamb	Wood	D	White	Intact
146	5	mg/cm2	Positive	1	3/29/2022	15:56:59	Lead Paint	Room 18	Baseboard	Wood	D	White	Intact
147	4.2	mg/cm2	Positive	1	3/29/2022	15:57:50	Lead Paint	Room 18	Ceiling	Plaster	D	White	Intact
148	0	mg/cm2	Negative	1	3/29/2022	15:58:12	Lead Paint	Room 18	Ceiling	Wood	D	White	Intact
149	10.5	mg/cm2	Positive	1	3/29/2022	16:28:08	Lead Paint	Room 27	Wall	Plaster	A	White	Intact
150	5.3	mg/cm2	Positive	1	3/29/2022	16:28:37	Lead Paint	Room 27	Wall	Plaster	B	White	Intact
151	5	mg/cm2	Positive	1	3/29/2022	16:28:58	Lead Paint	Room 27	Wall	Plaster	C	White	Intact
152	5.4	mg/cm2	Positive	1	3/29/2022	16:29:18	Lead Paint	Room 27	Wall	Plaster	D	White	Intact
153	4.3	mg/cm2	Positive	1	3/29/2022	16:30:30	Lead Paint	Room 27	Ceiling	Plaster	D	White	Intact
154	0.1	mg/cm2	Negative	1	3/29/2022	16:35:20	Lead Paint	Calibrate	Door	Plaster	A	White	Intact
155	0.1	mg/cm2	Negative	1	3/29/2022	16:35:38	Lead Paint	Calibrate	Door	Plaster	A	White	Intact
156	0.1	mg/cm2	Negative	1	3/29/2022	16:35:47	Lead Paint	Calibrate	Door	Plaster	A	White	Intact
157	2	mg/cm2	Positive	1	3/29/2022	16:36:39	Lead Paint	Room 27	Door	Wood	A	White	Intact
158	0.6	mg/cm2	Negative	1	3/29/2022	16:36:58	Lead Paint	Room 27	Door Jamb	Wood	A	White	Intact
159	0.1	mg/cm2	Negative	1	3/29/2022	16:38:34	Lead Paint	Room 19	Wall	Drywall	A	White	Intact
160	0	mg/cm2	Negative	1	3/29/2022	16:39:04	Lead Paint	Room 19	Wall	Drywall	B	White	Intact
161	0.1	mg/cm2	Negative	1	3/29/2022	16:39:42	Lead Paint	Room 19	Wall	Drywall	C	White	Intact
162	-0.1	mg/cm2	Negative	1	3/29/2022	16:40:14	Lead Paint	Room 19	Wall	Drywall	C	Red	Intact
163	-0.1	mg/cm2	Negative	1	3/29/2022	16:40:52	Lead Paint	Room 19	Wall	Drywall	D	White	Intact

164	11.6	mg/cm2	Positive	1	3/29/2022	16:41:42	Lead Paint	Room 19	Wall	Concrete	A	Red	Intact
165	0.1	mg/cm2	Negative	1	3/29/2022	16:42:51	Lead Paint	Room 19	Window Sill	Concrete	A	Black	Intact
166	0.2	mg/cm2	Negative	1	3/29/2022	16:43:12	Lead Paint	Room 19	Window Sill	Concrete	A	Red	Intact
167	0.1	mg/cm2	Negative	1	3/29/2022	16:45:06	Lead Paint	Room 19	Baseboard	Wood	C	Red	Intact
168	0	mg/cm2	Negative	1	3/29/2022	16:45:37	Lead Paint	Room 19	Door	Wood	B	Red	Intact
169	0	mg/cm2	Negative	1	3/29/2022	16:46:02	Lead Paint	Room 19	Door Jamb	Wood	B	White	Intact
170	-0.2	mg/cm2	Negative	1	3/29/2022	16:46:24	Lead Paint	Room 19	Door Jamb	Wood	B	Black	Intact
171	0	mg/cm2	Negative	1	3/29/2022	16:48:00	Lead Paint	Room 20	Wall	Concrete	A	Brown	Intact
172	0	mg/cm2	Negative	1	3/29/2022	16:48:19	Lead Paint	Room 20	Wall	Wood	A	Brown	Intact
173	-0.1	mg/cm2	Negative	1	3/29/2022	16:48:48	Lead Paint	Room 20	Wall	Wood	B	Brown	Intact
174	-0.1	mg/cm2	Negative	1	3/29/2022	16:49:08	Lead Paint	Room 20	Wall	Drywall	B	Brown	Intact
175	0	mg/cm2	Negative	1	3/29/2022	16:49:41	Lead Paint	Room 20	Wall	Drywall	C	Brown	Intact
176	0	mg/cm2	Negative	1	3/29/2022	16:49:58	Lead Paint	Room 20	Wall	Wood	C	Brown	Intact
177	0.1	mg/cm2	Negative	1	3/29/2022	16:50:31	Lead Paint	Room 20	Wall	Wood	D	Brown	Intact
178	0.3	mg/cm2	Negative	1	3/29/2022	16:50:56	Lead Paint	Room 20	Wall	Concrete	D	Brown	Intact
179	0.3	mg/cm2	Negative	1	3/29/2022	16:51:30	Lead Paint	Room 20	Window Sill	Wood	A	Brown	Intact
180	0	mg/cm2	Negative	1	3/29/2022	16:52:43	Lead Paint	Room 20	Door	Wood	B	Brown	Intact
181	-0.3	mg/cm2	Negative	1	3/29/2022	16:53:04	Lead Paint	Room 20	Door Jamb	Wood	B	Brown	Intact
182	-0.1	mg/cm2	Negative	1	3/29/2022	16:53:39	Lead Paint	Room 20	Baseboard	Wood	C	Brown	Intact
183	0.2	mg/cm2	Negative	1	3/29/2022	16:55:10	Lead Paint	Room 21	Wall	Concrete	A	White	Intact
184	-0.3	mg/cm2	Negative	1	3/29/2022	16:55:31	Lead Paint	Room 21	Wall	Concrete	B	White	Intact
185	0.1	mg/cm2	Negative	1	3/29/2022	16:55:54	Lead Paint	Room 21	Wall	Drywall	C	White	Intact
186	-0.1	mg/cm2	Negative	1	3/29/2022	16:56:13	Lead Paint	Room 21	Wall	Drywall	D	White	Intact
187	0.2	mg/cm2	Negative	1	3/29/2022	16:56:41	Lead Paint	Room 21	Door Trim	Drywall	A	White	Intact
188	0	mg/cm2	Negative	1	3/29/2022	16:57:02	Lead Paint	Room 21	Door	Drywall	B	White	Intact
189	0.2	mg/cm2	Negative	1	3/29/2022	16:58:52	Lead Paint	Room 14	Beam	Metal	B	Silver	Intact
190	-0.1	mg/cm2	Negative	1	3/29/2022	17:02:49	Lead Paint	Room 14	Ceiling	Wood	B	Silver	Intact
191	0.1	mg/cm2	Negative	1	3/29/2022	17:20:03	Lead Paint	Calibrate					
192	0.1	mg/cm2	Negative	1	3/29/2022	17:20:16	Lead Paint	Calibrate					
193	0.1	mg/cm2	Negative	1	3/29/2022	17:20:25	Lead Paint	Calibrate					
194	0	mg/cm2	Negative	1	3/30/2022	12:37:58	Lead Paint	Calibrate					
195	-0.1	mg/cm2	Negative	1	3/30/2022	12:38:09	Lead Paint	Calibrate					
196	-0.1	mg/cm2	Negative	1	3/30/2022	12:38:18	Lead Paint	Calibrate					
197	1.1	mg/cm2	Positive	1	3/30/2022	12:39:28	Lead Paint	Room 16	Ceiling	Plaster		White	Peeling
198	3.1	mg/cm2	Positive	1	3/30/2022	12:44:35	Lead Paint	Room 20	Ceiling	Plaster		White	Intact
199	1.8	mg/cm2	Positive	1	3/30/2022	12:51:53	Lead Paint	Exterior	Wall	Brick	A	White	Faded
200	1.2	mg/cm2	Positive	1	3/30/2022	12:52:25	Lead Paint	Exterior	Wall	Brick	A	Red	Faded
201	5.5	mg/cm2	Positive	1	3/30/2022	12:56:11	Lead Paint	Exterior	Wall	Plaster	A	White	Cracking
202	0.2	mg/cm2	Negative	1	3/30/2022	12:58:03	Lead Paint	Exterior	Wall	Brick	B	White	Poor
203	0	mg/cm2	Negative	1	3/30/2022	12:58:29	Lead Paint	Exterior	Wall	Brick	B	White	Poor
204	-0.1	mg/cm2	Negative	1	3/30/2022	12:58:49	Lead Paint	Exterior	Wall	Brick	B	White	Poor
205	0.1	mg/cm2	Negative	1	3/30/2022	12:59:32	Lead Paint	Exterior	Wall	Brick	C	White	Poor

206	-0.1	mg/cm2	Negative	1	3/30/2022	13:01:08	Lead Paint	Exterior	Door Trim	Wood	D		White	Poor
207	0.2	mg/cm2	Negative	1	3/30/2022	13:02:42	Lead Paint	Exterior	Fascia	Concrete	D		White	Intact
208	2.5	mg/cm2	Positive	1	3/30/2022	13:04:25	Lead Paint	Exterior	Wall	Brick	D		White	Intact
209	1.7	mg/cm2	Positive	1	3/30/2022	13:05:01	Lead Paint	Exterior	Wall	Brick	D		Red	Intact
210	-0.2	mg/cm2	Negative	1	3/30/2022	13:10:06	Lead Paint	Exterior	Wall	Wood	D		White	Intact
211	7	mg/cm2	Positive	1	3/30/2022	13:11:02	Lead Paint	Exterior	Angle Iron	Metal	D		White	Intact
212	0.4	mg/cm2	Negative	1	3/30/2022	13:11:58	Lead Paint	Exterior	Angle Iron	Metal	D		Red	Intact
213	3.2	mg/cm2	Positive	1	3/30/2022	13:12:55	Lead Paint	Room 16	Floor	Concrete	D		Yellow	Intact
214	0	mg/cm2	Negative	1	3/30/2022	15:41:39	Lead Paint	Calibrate						
215	-0.1	mg/cm2	Negative	1	3/30/2022	15:41:48	Lead Paint	Calibrate						
216	0.1	mg/cm2	Negative	1	3/30/2022	15:41:57	Lead Paint	Calibrate						

Photo 1: Exterior side A paint on brick

Photo 2: Exterior side D paint on brick

Photo 3: Exterior side A 3 spots

Photo 4: Exterior side D angel iron

Photo 5: Exterior side D angel iron

Photo 6: Exterior side D paint on brick

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Photo Album

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Photo 1: Exterior side D parking paint line

Photo 2: Rm 1 paint on ceiling

Photo 3: Rm 1 wall side A

Photo 4: Rm 2 wall side B

Photo 5: Rm 4 side D white safe door

Photo 6: Rm 4 wall side B

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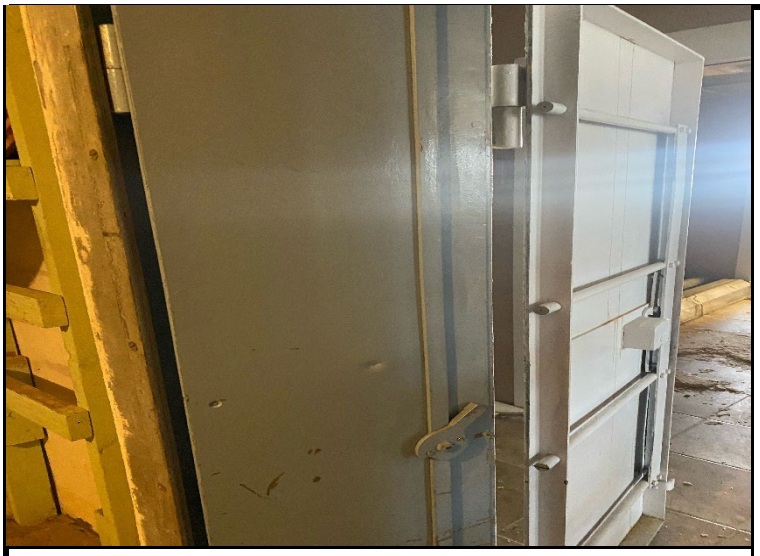

Photo 1: Rm 4 entry way

Photo 2: Rm 4 side D blue safe door

Photo 3: Rm 6 wall side C

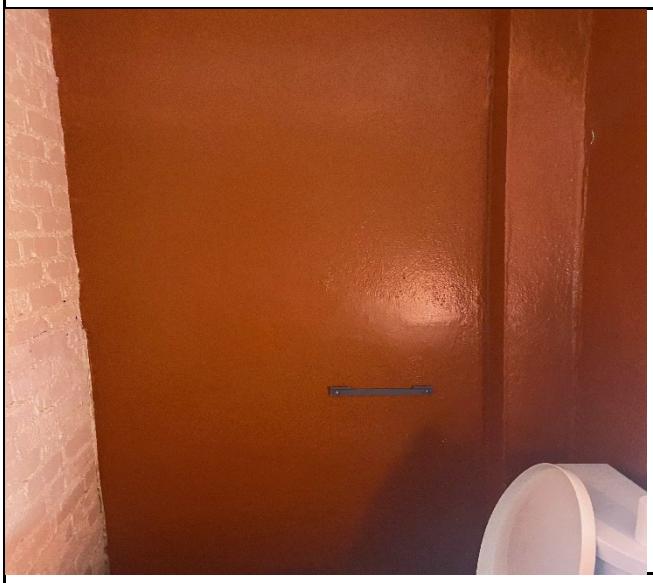

Photo 4: Rm 6 wall side B

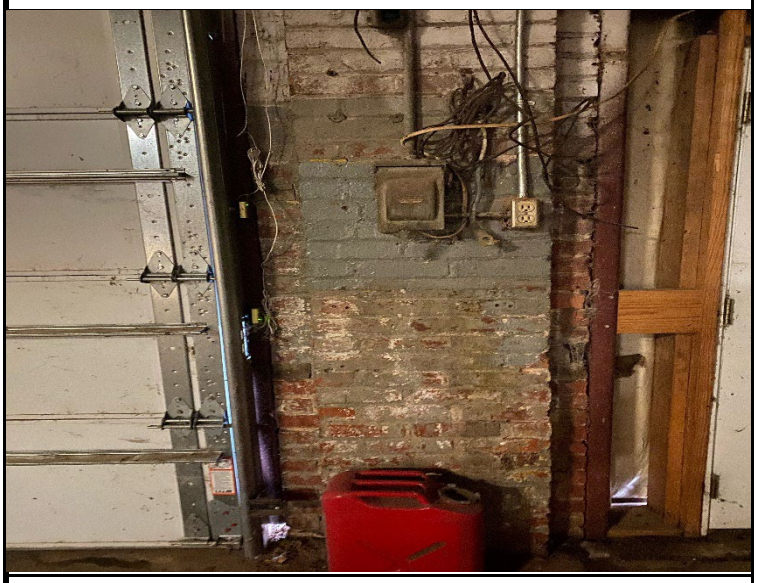

Photo 5: Rm 14 paint on brick side D

Photo 6: Rm 14 side B blue and white paint

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Photo 1: Rm 16 yellow piant line

Photo 2: Rm 16 paint on ceiling

Photo 3: Rm 16 paint on wall side B

Photo 4: Rm 16 paint on wall side C

Photo 5: Rm 16 paint around the bay door

Photo 6: Rm 17 entire door

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Photo 1: Rm 17 red and white paint on ceiling

Photo 2: Rm 17 paint on wall side D

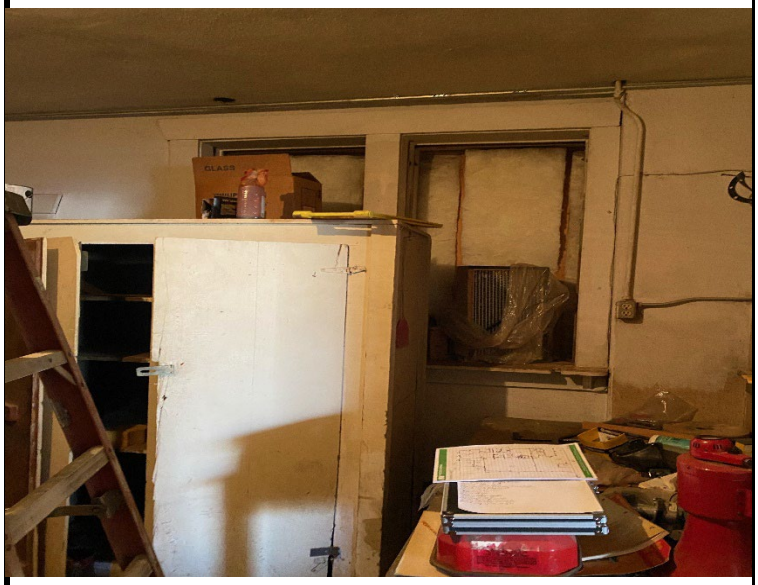

Photo 3: Rm 17 paint on wall and window trim side C

Photo 4: Rm 17 wall side B

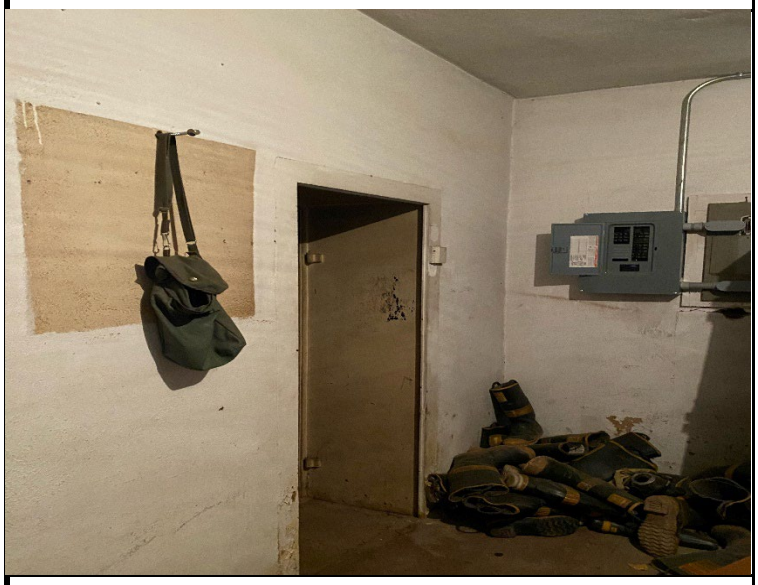

Photo 5: Rm 17 paint on wall side A

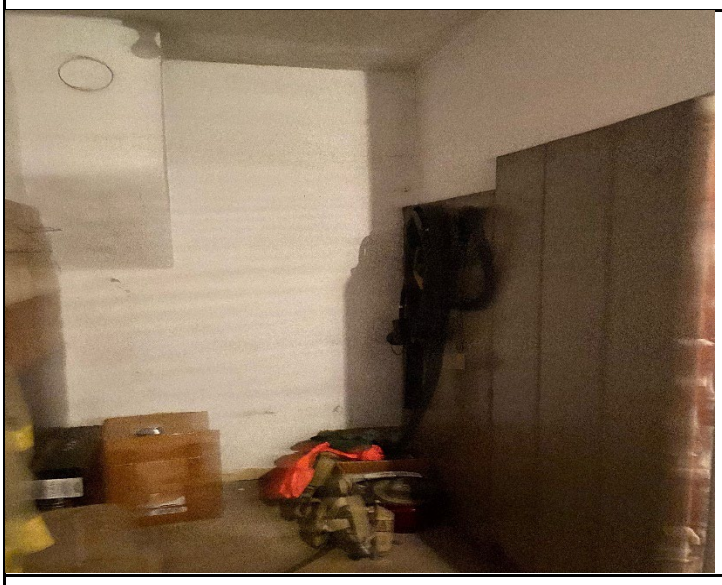

Photo 6: Rm 17 wall side A and B

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Photo 1: Rm 18 entire door

Photo 2: Rm 18 paint on ceiling- plaster, walls side B & C

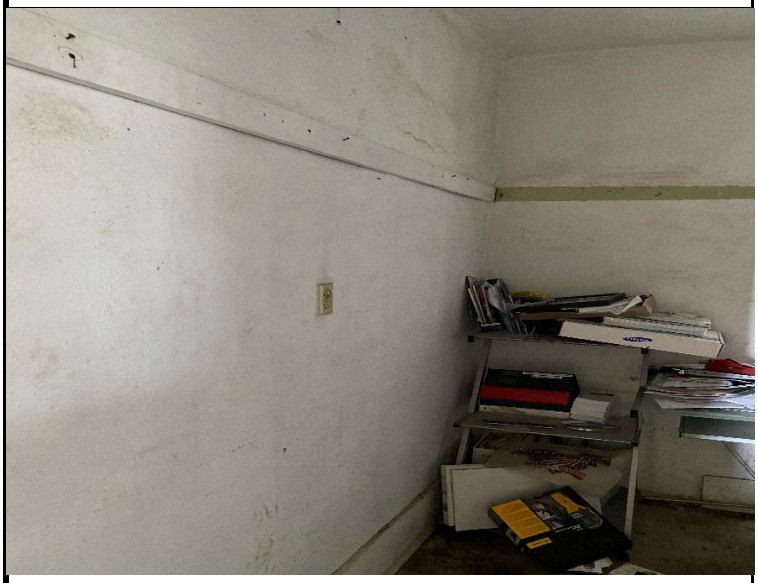

Photo 3: Rm 18 paint on walls and baseboards. Side A & B

Photo 4: Rm 20 paint on ceiling

Photo 5: Rm 20 red paint around window, side A

Photo 6: Rm 21 paint on ceiling

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Photo 1: Rm 22 paint on wall side C

Photo 2: Rm 25 paint on ceiling

Photo 3: Rm 25 paint on wall side B

Photo 4: Rm 26 wall side A

Photo 5: Rm 26 paint on entry way

Photo 6: Rm 27 door

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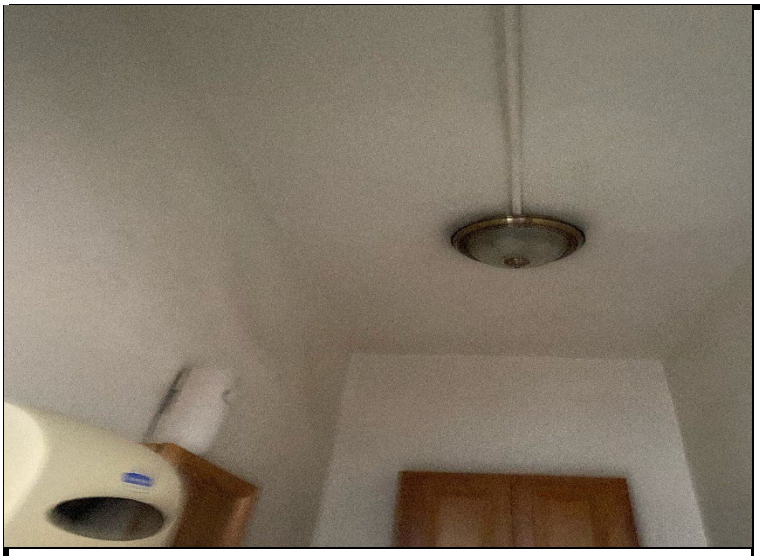

Photo 1: Rm 27 paint on ceiling and walls B,C, & D

Photo 2: Rm 27 paint on walls side B,C, & D

Photo 3:

Photo 4:

Photo 5:

Photo 6:

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C

B

D

A

LBP Containing Door & Components
LBP Wall
LBP Exterior Paint
LBP Parking Lines
LBP Containing Window Components
LBP Angel Iron
LBP Base board
LBP Ceiling

N

NOT TO SCALE

MARSHALL ENVIRONMENTAL MANAGEMENT

LBP LOCATIONS

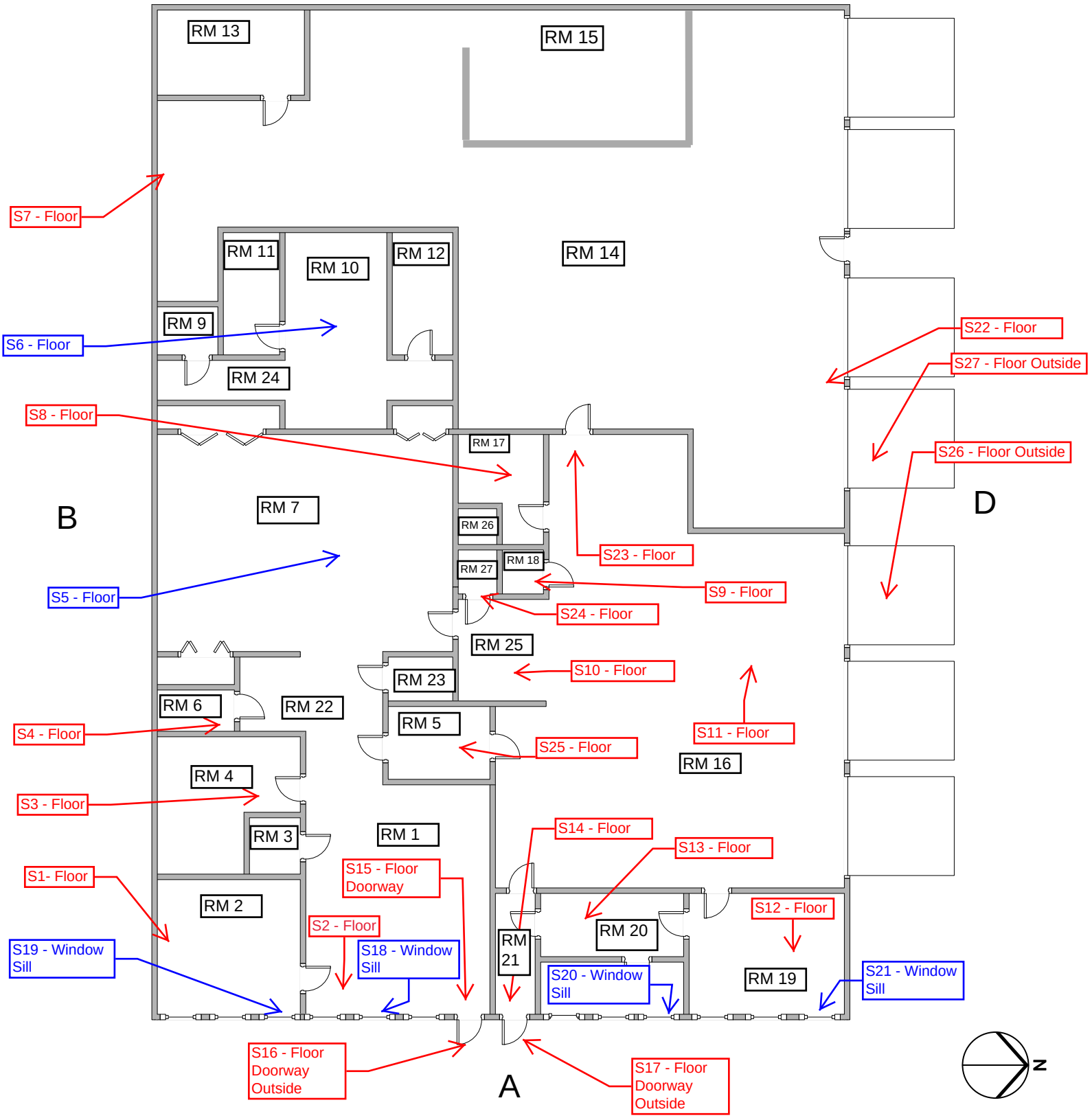
CHEROKEE OLD TOWN HALL
119 N GRAND AVENUE
CHEROKEE, OK 73728

PREPARED BY: JACOB P. KING
DATE PREPARED: 03/30/2022
MEM PROJECT ID: 0051-AB-032922-JK

2
FIGURE

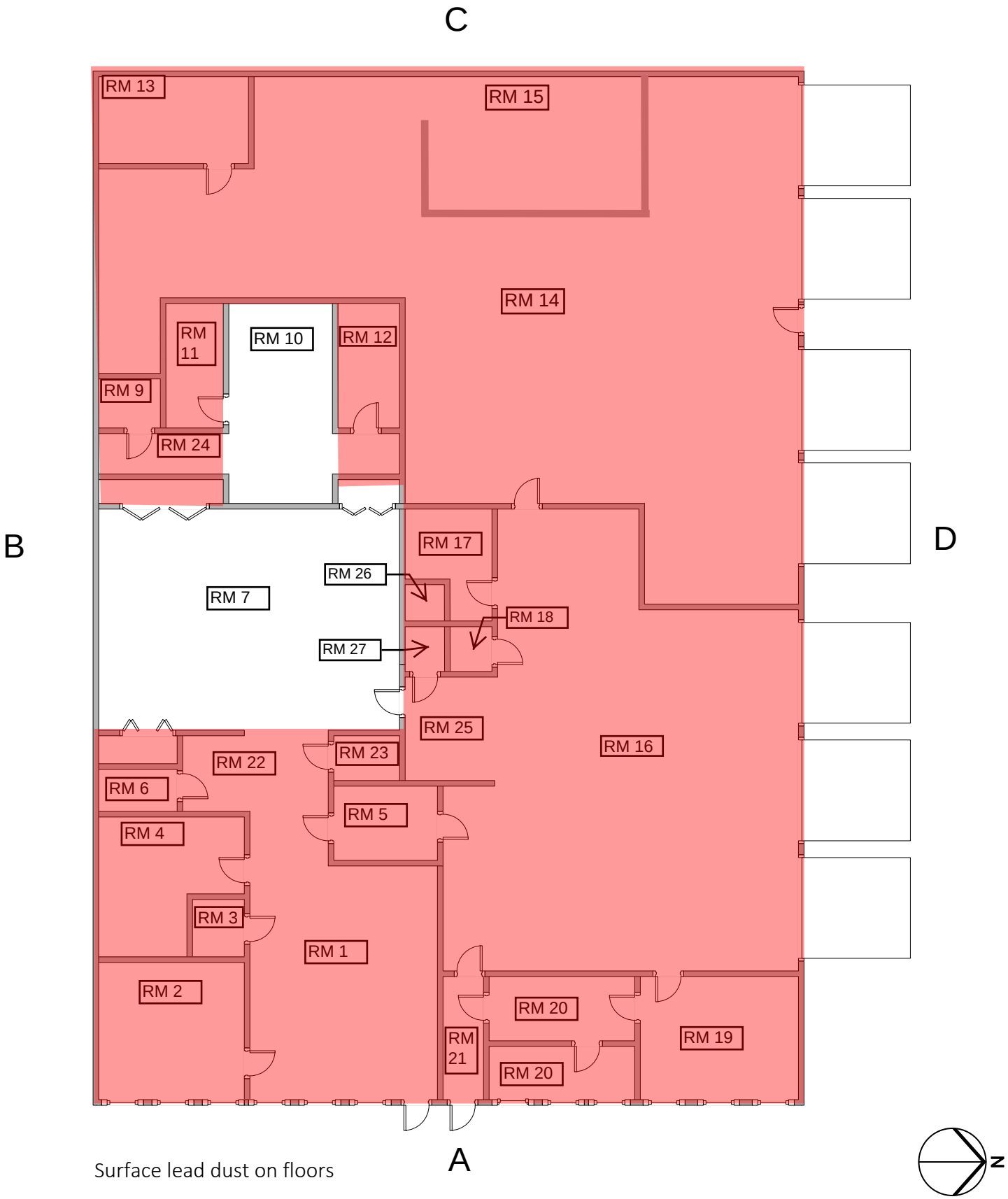
Indicates sample locations that exceed the applicable EPA clearance value

Indicates sample locations that exceed the applicable EPA clearance value



NOT TO SCALE

MEM MARSHALL ENVIRONMENTAL MANAGEMENT	**SLD WIPES SAMPLE LOCATIONS**	1 FIGURE
	CHEROKEE OLD TOWN HALL 119 N GRAND AVENUE CHEROKEE, OK 73728	PREPARED BY: JACOB P. KING DATE PREPARED: 03/30/2022 MEM PROJECT ID: 0051-AB-032922-JK



Surface lead dust on floors

NOT TO SCALE

MEM MARSHALL ENVIRONMENTAL MANAGEMENT	**SLD LOCATIONS**	3 FIGURE
	CHEROKEE OLD TOWN HALL 119 N GRAND AVENUE CHEROKEE, OK 73728	PREPARED BY: JACOB P. KING DATE PREPARED: 03/30/2022 MEM PROJECT ID: 0051-AB-032922-JK


For Public Hire
OKLAHOMA
Lead-Based Paint
Certification
ALEX
LANE
OKRASR13828
Inspector/Risk Assessor
DEQ
Expires March 31,2023

Department of Environmental Quality

This is to Certify That

CHARLES MARSHALL

has met the specifications of the Oklahoma Lead-Based Paint Management Act
and is certified as a Lead-Based Paint

INSPECTOR/RISK ASSESSOR

Certification #: OKRASR13418

This certificate is valid from the date of issuance and expires as prescribed by law.

Issued on: **4/1/2022** Expires on: **3/31/2023**

Division Director
Air Quality Division

DEQ OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

Heather Hench

Environmental Programs Manager
Air Quality Division

CHEROKEE OLD TOWN HALL

119 N GRAND AVENUE

CHEROKEE, OK 73728

APRIL 19, 2022	*ASBESTOS INSPECTION*

SERVICES PROVIDED FOR:

ODEQ Land Protection Division
Attention: Trenton Wilhelm
707 N Robinson Avenue
Oklahoma City,73102
(405) 702 5108 |Trenton.wilhem@deq.ok.gov

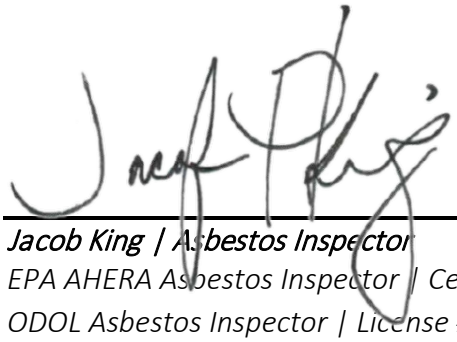
SERVICES PROVIDED BY:

Marshall Environmental Management, Incorporated
Attention: Jamie Marshall, Asbestos Management Planner
1301 N Martin Luther King Avenue
Oklahoma City, OK 73117
(405) 616-0401 | mem@marshallenvironmental.com

TABLE OF CONTENTS

CERTIFICATION

This is to certify that Marshall Environmental Management, Incorporated (MEM) was contracted by Trenton Wilhelm on behalf of ODEQ Land Protection Division, to conduct an Asbestos Inspection within the Cherokee Old Town Hall located at 119 N Grand Avenue in Cherokee, Oklahoma. This Asbestos Inspection was performed due to the upcoming renovation or demolition activities. This inspection was performed on March 29, 2022, by an Asbestos Hazard Emergency Response Act (AHERA) Inspector/Management Planner, certified by the Environmental Protection Agency (EPA) and licensed by the Oklahoma Department of Labor (ODOL). The findings and analytical data resulting from this inspection are believed to accurately depict the condition and location of material(s) that contain asbestos (if present) on the date this inspection was conducted. Applicable certifications and licensure are included in the appendix to this report.



April 19, 2022

Jacob King | Asbestos Inspector *Report Date*
EPA AHERA Asbestos Inspector | Certification #: 804107
ODOL Asbestos Inspector | License #: 401815

April 19, 2022

Jamie Marshall | MS | CIH | Asbestos Management Planner *Report Date*
EPA AHERA Asbestos Inspector/Management Planner Certification #: 704000
ODOL Asbestos Inspector/Management Planner License #: 400477
EPA AHERA Asbestos Project Designer Certification #: 600787
ODOL Asbestos Project Designer License #: 400478

LABORATORY ANALYSIS PERFORMED BY:

Marshall Environmental Management, Incorporated
1301 N Martin Luther King Avenue
Oklahoma City, OK 73117
(405) 616-0401 |mem@marshallenvironmental.com
Laboratory Accreditation: AIHA PAT ID #: 102334

CHEROKEE OLD TOWN HALL

ASBESTOS INSPECTION

EXECUTIVE SUMMARY

On March 29, 2022, Marshall Environmental Management, Incorporated (MEM) conducted an Asbestos Inspection within the Cherokee Old Town Hall located at 119 N Grand Avenue in Cherokee, Oklahoma. This inspection was performed so that a strategy, that follows the regulations set forth by the Environmental Protection Agency (EPA), may be prepared for the management and/or abatement (i.e., the removal and disposal) of building material(s) that contain asbestos. This Asbestos Inspection was performed throughout the building due to the upcoming demolition/renovation activities. As such, ***asbestos-containing wall mastic, exterior transite panels, safe gasket, and safe fireproofing*** were identified as a result of this inspection. The EPA and the Oklahoma Department of Labor (ODOL) define an Asbestos-Containing Material (ACM) as any material that contains asbestos in concentrations greater than one percent (>1%). In accordance with the EPA, the ***asbestos-containing wall mastic, and exterior transite panels are considered non-friable***, that which cannot be rendered to a powder via hand pressure. The ***asbestos-containing safe gasket and safe fireproofing are considered friable***, that which can be rendered to a powder via hand pressure. Accordingly, the asbestos-containing ***wall mastic is categorized as Category I Non-Friable ACM,*** whereas the ***asbestos-containing exterior transite panels is categorized as Category II Non-Friable ACM.*** The ***asbestos-containing safe gasket and safe fireproofing are categorized as a Regulated ACM (RACM).*** Materials that contain asbestos can exist in a structure as long as they remain undisturbed and in good condition. However, ***the asbestos-containing wall mastic, exterior transite panels, safe gasket, and safe fireproofing must be abated prior to the commencement of renovation and/or demolition activities that would render these ACM friable.***

In accordance with the Occupational Safety and Health Administration (OSHA), the abatement of the ***asbestos-containing safe gasket and safe fireproofing must be carried out as Class I work,*** whereas the ***asbestos-containing wall mastic and exterior transite panels are required to be carried out as Class II Work***. In addition to this, ***an Asbestos Abatement Project Design must be submitted to and approved by the ODOL*** prior to the abatement of the Friable ACM; and an ***EPA National Emission Standard for Hazardous Air Pollutants (NESHAP) Notification must be submitted to and approved by the Oklahoma Department of Environmental Quality (ODEQ)*** ten business-days prior to the commencement of certain renovations and any demolition activities. Lastly, ***the ODOL requires Third-Party Asbestos-Abatement Air Monitoring to take place*** while asbestos-abatement activities are taking place. The sampling location, condition, type, and quantity of material(s) identified as asbestos containing are summarized in the Observations and Findings portion of this report. The remainder of this report is comprised of the Sampling Strategy and Methodology, the Observations and Findings, Response Actions, Regulatory Review, Limitations of the Survey, and the Appendix to this report.

SAMPLING STRATEGY & METHODOLOGY

In order to collect materials suspected of containing asbestos, each accessible area, limited to the scope-of-work, was systematically inspected. A specified number of samples were collected from suspect Asbestos-Containing Materials (ACM) that are uniform in color and texture and believed to be applied during the same period (i.e., homogenous material). If laboratory analyses determines that the sample(s) contain asbestos, the entirety of the homogenous material is considered asbestos-containing. The sample collection process includes documenting the location, condition, classification, and estimated quantity of material(s) that are suspected of containing asbestos. This asbestos inspection was conducted in accordance with the Environmental Protection Agency (EPA) National Emission Standards for Hazardous Air Pollutants (NESHAP) 40-Code of Federal Regulation (CFR) 61 Subpart M. Each sample collected was submitted for analysis in accordance with the EPA authorized method 600 49-CFR Part 61 § M Asbestos NESHAP Rules. The following are examples of the types of materials that were visually inspected and/or sampled during this inspection:

SURFACING MATERIAL:

Examples include, but are not limited to, blown and/or troweled on surfacing material commonly observed on ceilings, walls and/or structural steel.

THERMAL SYSTEM INSULATION (TSI):

Examples include, but are not limited to, insulation on piping, thermal process or Heating Ventilation and Air Conditioning (HVAC) equipment and components.

MISCELLANEOUS MATERIAL:

Examples include, but are not limited to, floor and ceiling tiles, mastics, vinyl sheet-flooring, wallboard, wallboard-tape and mud or joint compounds.

OBSERVATIONS & FINDINGS

The commercial structure that was assessed as part of this asbestos inspection, is located at 119 N Grand Avenue Cherokee, Oklahoma. The building is comprised of a brick, concrete, and glass exterior, concrete-slab foundation, and a flat roof. The interior of the structure appears to be comprised of drywall, brick, plaster, drop ceilings, wood ceiling, carpet, floor tile, ceramic floor tile, wood floors, and concrete floors throughout. The material(s) that were sampled, during this inspection included wall-systems, wall particle board, plaster, floor tile, ceramic floor tile, floor-tile mastic, wall mastic, window caulking, door caulking, ceiling tiles, batting insulation, duct mastic, duct insulation, pipe insulation, safe gaskets, safe fireproofing, and transite panels throughout the building. As a result of this inspection, within the Cherokee Old Town Hall, asbestos-containing safe gaskets, safe fireproofing, wall mastic, and exterior transite panels were identified. The materials assessed during this inspection were considered to be in good condition. In addition, the roof system was not included in the scope of work, therefore it was not inspected for asbestos. It should be noted that there were two transite flues and a chalk board that were unable to be sampled and should be assumed asbestos containing until the items can be properly tested. The following tables summarize the homogenous location, condition, type, percent, and estimated quantity of material(s) that were identified as asbestos-containing. All estimated quantities and pricing should be verified by the contractor prior to remediation activities. The correlating analytical data, area diagram and photographs (illustrating the locations and quantities of asbestos-containing homogenous areas) are included in the appendix to this report.

CATEGORY I NON-FRIABLE ASBESTOS-CONTAINING MATERIALS

TABLE I: WALL MASTIC

DESCRIPTION | LOCATION	CONDITION	TYPE	% ASBESTOS	QUANTITY	ESTIMATED COST
ROOM 2 EAST WALL: ACM GRAY MASTIC BEHIND NON-ACM WOOD PANEL	INTACT/GOOD	MISCELLANEOUS	10% CHRYSOTILE	~720-ft^2	~$3,600

CATEGORY II NON-FRIABLE ASBESTOS-CONTAINING MATERIALS

TABLE II: EXTERIOR TRANSITE PANELS

DESCRIPTION | LOCATION	CONDITION	TYPE	% ASBESTOS	QUANTITY	ESTIMATED COST
EAST EXTERIOR TRANSITE PANELS	INTACT/GOOD	MISCELLANEOUS	25% CHRYSOTILE	~528-ft^2	~$13,200

FRIABLE ASBESTOS-CONTAINING MATERIALS

TABLE IV: SAFE GASKETS AND FIREPROOFING

DESCRIPTION | LOCATION	CONDITION	TYPE	% ASBESTOS	TOTAL QUANTITY	ESTIMATED ABATEMENT COST
ROOM 1 EAST WALL ROOM 17 AND 16	INTACT/GOOD	MISCELLANEOUS	40-60% CHRYSOTILE 5% CROCIDOLITE	~2 SAFES	~$5,000

TOTAL ESTIMATED COST

TOTAL ESTIMATED PRICE FOR ABATEMENT	~$21,800
TOTAL ESTIMATED COST OF PROJECT DESIGN & THIRD-PARTY AIR MONITORING	~$4,000
TOTAL ESTIMATED COST OF ABATEMENT TO INCLUDE THIRD-PARTY AIR MONITORING	**~$25,800**

REGULATED ASBESTOS-RESPONSE ACTIONS

- The Friable, Category I, and Category II Non-Friable ACM (i.e., wall mastic, transite panels, safe gaskets, and safe fire proofing) must be abated prior to the commencement of certain renovation and demolition activities that would render the materials friable.
- The abatement of the asbestos-containing safe gasket and safe fire proofing must be carried out as ***Class I Work*** in accordance with OSHA.
- The abatement of the asbestos-containing wall mastic and transite panels must be carried out as ***Class II Work*** in accordance with OSHA.
- According to the ODOL, an Asbestos-Abatement Contractor, licensed by the ODOL, is required to perform the abatement of the Friable ACM (i.e., safe gasket and safe fireproofing).
- Adequate training and the appropriate certifications and licensure must be in place prior to the commencement of friable-abatement activities.
- An Asbestos-Abatement Project Design must be prepared and approved by the ODOL prior to the abatement of the Friable ACM.
- Third-Party Asbestos Abatement Air Monitoring is required while the abatement activities are taking place.
- An EPA NESHAP Notification must be submitted to and approved by the ODEQ ten business days prior to the commencement of certain abatement and/or renovation and any demolition activities.

REGULATORY REVIEW

Asbestos Containing Materials are any materials which consist of greater than one percent (>1%) asbestos, as defined by the Environmental Protection Agency (EPA) Approved Analytical Method 40 Code of Federal Regulations (CFR) Chapter I, Part 763, Subpart F, Appendix C, referred to as Interim Method for determination of Asbestos in Bulk Insulation Samples, using Polarized Light Microscopy (PLM), US EPA 600/M4-82-020 1982. Prior to 1980, asbestos was commonly utilized during construction in addition to being found in various building materials. In 1994, the Occupational Safety and Health Administration (OSHA) required employers to identify Asbestos-Containing Materials (ACM) in pre-1980 construction as part of its Standard for Occupational Exposure to Asbestos in Construction (29 CFR 1926.1101). This OSHA standard covers maintenance, repair and removal functions involving ACM or Presumed ACM (PACM). In addition, the OSHA General Industry Standard (29 CFR 1910.1001) also requires employers to notify employees who would be performing housekeeping activities around ACM or PCAM in public and commercial buildings. Without asbestos inspections, owners and/or operators must treat suspected ACM as asbestos-containing.

As part of the Oklahoma Department of Labor (ODOL) Public Employees Occupational Safety and Health (PEOSH) Program, the Oklahoma Occupational Health and Safety Standards Act and Administrative Rules (OAC 380:40) adopts most of the Federal OSHA Standards. In accordance with 29 CFR 1910.1001, the OSHA Asbestos Standard, when a building owner or employer identifies previously installed ACM and/or PACM, labels or signs shall be affixed or posted so that employees will be notified of what materials contain ACM and/or PACM. Warning signs shall be provided and displayed at all approaches to and inside regulated areas so that an employee may read the signs and take necessary protective steps before entering the area. The asbestos warning labels are to be readily visible and include the following warning:

DANGER
ASBESTOS MAY CAUSE CANCER
CAUSES DAMAGE TO LUNGS
AUTHORIZED PERSONNEL ONLY

The EPA requires asbestos inspections in school buildings in grades Kindergarten through 12 as part of the Asbestos Hazard Emergency Response Act (AHERA), which is authorized in 40 CFR 763.6. The AHERA sampling protocol addresses the systematic sample collection of all forms of ACM in addition to categorizing ACM materials as friable Category I or II Non-Friable. An AHERA Inspection must also evaluate the condition and the potential for disturbance of ACM. If asbestos is present within school facilities grades K-12, an Asbestos Management Plan is required, by the Local Educational Authority (LEA), to be in place.

Along with AHERA, the EPA also regulates commercial asbestos abatement activities. An EPA National Emission Standards for Hazardous Air Pollutants (NESHAP) notification must be submitted to the Oklahoma Department of Environmental Quality (ODEQ) ten-business days prior to the initiation of certain abatement/renovation and any demolition activities where Regulated ACM (RACM) are present in quantities that meet or exceed 160-square feet ($Ft.^2$), 260-linear ft. or 35-cubic ft. ($Ft.^3$). Instructions regarding NESHAP notification requirements and ODEQ compliance are provided on the DEQ website: *https://www.deq.ok.gov/wp-content/uploads/deqmainresources/AsbestosNESHAP_06-2019.pdf*. Land disposal requirements are also regulated by the EPA through State Landfill Permits. These efforts

are now administered by the ODEQ Air Quality and Land Protection regulations. The ODEQ requires the advance filing of a NESHAP notification when any demolition or renovation activities take place. The NESHAP notification process tracks abated ACM to an ODEQ approved landfill on a project-by-project basis.

The ODOL Asbestos Division regulates asbestos abatement by implementing the rules that govern the abatement of friable ACM. Under the ODOL asbestos rule, OAC 380:50, only adequately licensed contractors can perform asbestos abatement, develop Asbestos Management Plans and Asbestos-Abatement Project Designs. All asbestos-abatement supervisors, workers and inspectors must be licensed by the ODOL. The ODOL Rules are available on the ODOL web site: *http://www.ok.gov/odol/*.

LIMITATIONS OF SURVEY

This Asbestos Inspection was limited to the area(s) specified in the scope-of-work. Certain limitations can restrict and/or prevent the complete inspection of hidden or inaccessible building materials. Furthermore, locations presenting a hazard to bystanders, or the inspector were not assessed. The findings resulting from this inspection are valid as of the date this inspection was performed. However, changes in the condition of a structure may certainly occur with the passage of time, whether due to natural processes or the works of man. Additionally, legislation or the expansion of knowledge may result in changes to the applicable and appropriate standards.

Our investigation was conducted using the degree of care and skill ordinarily exercised by professional consultants under similar circumstances practicing in this or similar localities. Professional services have been performed; results associated with this inspection were obtained and reported in accordance with generally accepted principles and practices. No other representations, either expressed or implied, are made. Marshall Environmental Management, Incorporated is not responsible for independent conclusions, opinions or recommendations made by others. As-built plans were not available for review or use in the planning of this asbestos inspection.

APPENDIX

ANALYTICAL DATA

AREA DIAGRAM

PHOTOGRAPHS

CERTIFICATION | LICENSURE

MARSHALL ENVIRONMENTAL MANAGEMENT, INC.
1301 N MARTIN LUTHER KING AVENUE
OKLAHOMA CITY, OK 73117
405.616.0401 | FAX: 405.681.6753 | MEM@marshallenvironmental.com
MARSHALL ENVIRONMENTAL MANAGEMENT, INC. www.marshallenvironmental.com

CHAIN OF CUSTODY

PROJECT INFORMATION		CONTACT INFORMATION	
PROJECT ID. NO.	0051-AB-032922-JK	COMPANY	ODEQ Land Protection division
PROJECT NAME	Cherokee Old Town Hall	ATTENTION	Trenton Wilchen
ADDRESS	119 N Grand Avenue	ADDRESS	707 N Robinson Avenue
CITY | STATE | ZIP	Cherokee, OK 73728	CITY | STATE | ZIP	Oklahoma City, OK 73102
CONTACT	Michael Jones	PHONE NUMBER	405-702-5108
PHONE NUMBER	580-596-3052	ALTERNATE NO.	
EMAIL ADDRESS		EMAIL ADDRESS	Trenton.Wilhelm@deq.ok.gov

SAMPLE TURN-AROUND-TIME: [X] STANDARD (5-7 business) [ ] NEXT DAY [ ] SAME DAY

SAMPLE MATRIX / MEDIA: MP MOLD PLATE | ST SPORE TRAP | TL TAPE LIFT | (B) BULK | O OTHER

SAMPLE IDENTIFICATION NUMBER: LAB ID.	DATE COLLECTED	MATRIX/MEDIA	JOB NO.	SAMPLE LOCATION / DESCRIPTION	TIME / UNITS / CONDITION	FUNGI: TOTAL-AIRBORNE FUNGI (ENUMERATION & GENUS ID)	FUNGI: CULTURABLE AIRBORNE FUNGI (ENUMERATION & GENUS ID)	FUNGI: TOTAL-SURFACE FUNGI (SEMI-QUANTITATIVE ENUMERATION & GENUS ID)	ASBESTOS: AIRBORNE FIBER COUNT (NIOSH 7400)	ASBESTOS: BULK MATERIAL (EPA METHOD 600/R-93-116)	OTHER
0046	032922	PLM	01	Rm 1 Safe gasket	GOOD					X	
			02	" " "							
			03	" " "							
			04	Rm 1 Safe fireproofing							
			05	" " "							
			06	" " "							
			07	Rm 1 Plaster S wall							
			08	Rm 3 Plaster N wall							
			09	Rm 3 Plaster N wall							
			10	Rm 1 1.5 x 1.5 ceiling tile						V	

COLLECTED BY	Jacob King Jacob P King	DATE / TIME	03/29/22 10:30	RELINQUISHED BY	Jacob King Jacob P King
RECEIVED BY IN LABORATORY		DATE / TIME	03/30/22 12:45	LABORATORY NOTES	samples accepted

DATE 03/30/22 TIME 11:30

FIELD NOTES:

METHOD OF SHIPMENT: HAND DELIVERED

PAGE NUMBER 1 OF 10

MARSHALL ENVIRONMENTAL MANAGEMENT, INC.
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CHAIN OF CUSTODY

PROJECT INFORMATION		CONTACT INFORMATION	
PROJECT ID. NO.	0051-AB-032922 JK	COMPANY	
PROJECT NAME		ATTENTION	
ADDRESS		ADDRESS	
CITY | STATE | ZIP	SAME AS PAGE ONE	CITY | STATE | ZIP	SAME AS PAGE ONE
CONTACT		PHONE NUMBER	
PHONE NUMBER		ALTERNATE NO.	
EMAIL ADDRESS		EMAIL ADDRESS	

SAMPLE TURN-AROUND-TIME: [X] STANDARD (5-7 business) [ ] NEXT DAY [ ] SAME DAY

SAMPLE MATRIX / MEDIA: MP MOLD PLATE | ST SPORE TRAP | TL TAPE LIFT | B BULK | O OTHER

SAMPLE IDENTIFICATION NUMBER LAB ID.	DATE COLLECTED	MATRIX/MEDIA	FIELD ID.	SAMPLE LOCATION / DESCRIPTION	TIME / UNITS / CONDITION	FUNGI: TOTAL-AIRBORNE FUNGI (ENUMERATION & GENUS ID)	FUNGI: CULTURABLE AIRBORNE FUNGI (ENUMERATION & GENUS ID)	FUNGI: TOTAL-SURFACE FUNGI (SEMI-QUANTITATIVE ENUMERATION & GENUS ID)	ASBESTOS: AIRBORNE FIBER COUNT (NIOSH 7400)	ASBESTOS: BULK MATERIAL (EPA METHOD 600/R-93-116)	OTHER
0046	032922	PLM	11	RM1 insulation Sprayin	GOOD					X	
			12	RM1 Debris on floor	DAMAGED						
			13	" " "	↓						
			14	" " "	↓						
			15	Rm2 Ceiling tile	GOOD						
			16	" " "	↓						
			17	" " "	↓						
			18	Rm2 1.5 x 1.5 ceiling tile	GOOD						
			19	Rm2 Sprayin insulation	↓						
↓	↓	↓	20	Rm23 waterheaterroom/particle board N. wall	↓					↓	

COLLECTED BY	JACOB KING Jacob King	DATE	03/29/21	RELINQUISHED BY	JACOB KING Jacob King
		TIME	11:00		
RECEIVED BY IN LABORATORY		DATE	03/30/22	LABORATORY NOTES	samples accepted
		TIME	12:45		

DATE 03/30/22 TIME 11:30

FIELD NOTES

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PAGE NUMBER 2 OF 10

MARSHALL ENVIRONMENTAL MANAGEMENT, INC.
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CHAIN OF CUSTODY

PROJECT INFORMATION		CONTACT INFORMATION	
PROJECT ID/ NO.	0051-AB-032922-JK	COMPANY	
PROJECT NAME		ATTENTION	
ADDRESS		ADDRESS	
CITY | STATE | ZIP	SAME AS PAGE ONE	CITY | STATE | ZIP	SAME AS PAGE ONE
CONTACT		PHONE NUMBER	
PHONE NUMBER		ALTERNATE NO.	
EMAIL ADDRESS		EMAIL ADDRESS	

SAMPLE TURN-AROUND-TIME

STANDARD (5-7 business)		NEXT DAY		SAME DAY
X				

SAMPLE MATRIX / MEDIA

MP Mold Plate | ST Spore Trap | TL Tape Lift | (B) Bulk | O Other

SAMPLE IDENTIFICATION NUMBER LAB ID.	DATE COLLECTED	MATRIX/MEDIA	FIELD ID.	SAMPLE LOCATION / DESCRIPTION	TIME / UNITS / CONDITION	FUNGI: TOTAL-AIRBORNE FUNGI (ENUMERATION & GENUS ID)	FUNGI: CULTURABLE AIRBORNE FUNGI (ENUMERATION & GENUS ID)	FUNGI: TOTAL-SURFACE FUNGI (SEMI-QUANTITATIVE ENUMERATION & GENUS ID)	ASBESTOS: AIRBORNE FIBER COUNT (NIOSH 7400)	ASBESTOS: BULK MATERIAL (EPA METHOD 600/R-93-116)	OTHER
0046	032922	PLM	21	Rm 8 closet Particleboard E. wall	GOOD					X	
			22	" " "							
			23	Rm 7 ceiling tile							
			24	" " "							
			25	" " "							
			26	Rm 7 insulation above ceiling tile							
			27	" " "							
			28	" " "							
			29	Rm 22 hallway duct insulation							
			30	Rm 1 duct insulation							

COLLECTED BY	JACOB KING Jacob King	DATE / TIME	03/29/22 11:30	RELINQUISHED BY	JACOB KING Jacob King	DATE / TIME	03/30/22 11:30
RECEIVED BY IN LABORATORY		DATE / TIME	03/30/22 12:45	LABORATORY NOTES	samples accepted		

FIELD NOTES:

METHOD OF SHIPMENT: HAND DELIVERED

PAGE NUMBER: 3 OF 10

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MARSHALL ENVIRONMENTAL MANAGEMENT, INC.

CHAIN OF CUSTODY

PROJECT INFORMATION		CONTACT INFORMATION	
PROJECT ID. NO.	D051-AB-03[illegible]2922-JK	COMPANY	
PROJECT NAME		ATTENTION	
ADDRESS		ADDRESS	
CITY | STATE | ZIP	SAME AS PAGE ONE	CITY | STATE | ZIP	SAME AS PAGE ONE
CONTACT		PHONE NUMBER	
PHONE NUMBER		ALTERNATE NO.	
EMAIL ADDRESS		EMAIL ADDRESS	

SAMPLE TURN-AROUND TIME: [X] STANDARD [illegible] | [ ] NEXT DAY | [ ] SAME DAY

SAMPLE MATRIX / MEDIA: MP MOLD PLATE | ST SPORE TRAP | TL TAPE LIFT | (B) BULK | O OTHER

LAB ID.	DATE COLLECTED	MATRIX/MEDIA	FIELD ID.	SAMPLE LOCATION / DESCRIPTION	TIME / UNITS / CONDITION	FUNGI: TOTAL AIRBORNE FUNGI (ENUMERATION & GENUS ID)	FUNGI: CULTURABLE AIRBORNE FUNGI (ENUMERATION & GENUS ID)	FUNGI: TOTAL SURFACE FUNGI (SEMI-QUANTITATIVE ENUMERATION & GENUS ID)	ASBESTOS: AIRBORNE FIBER COUNT (NIOSH 7400)	ASBESTOS: BULK MATERIAL (EPA METHOD 600/R-93-116)	OTHER
0046	032922	PLM	31	Rm 1 Duct insulation	Good					X	
↓	↓	↓	32	Rm 7 Drywall SW corner	↓					↓	
			33	Rm 10 Drywall E. Wall							
			34	Rm 12 Drywall N.E. Corner							
			35	Rm 16 Plaster Patch S. center							
			36	" " "							
			37	" " "							
			38	Rm 25 Plaster NW Corner wall							
			39	Rm 16 Plaster West Wall							
↓	↓	↓	40	Rm 25 Plaster	↓					↓	

COLLECTED BY	JACOB KING [signature]	DATE	03/29/22	RELINQUISHED BY	JACOB KING [signature]	DATE	03/30/22
		TIME	12:00			TIME	11:30
RECEIVED BY IN LABORATORY	[signature]	DATE	03/30/22	LABORATORY NOTES	samples accepted		
		TIME	12:45				

FIELD NOTES:

METHOD OF SHIPMENT: HAND DELIVERED

PAGE NUMBER 4 OF 10

MEM
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CHAIN OF CUSTODY

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PROJECT ID. NO.	0051-AB-032922-JK	COMPANY	
PROJECT NAME		ATTENTION	
ADDRESS		ADDRESS	
CITY/ STATE/ ZIP	SAME AS PAGE ONE	CITY/ STATE/ ZIP	SAME AS PAGE ONE
CONTACT		PHONE NUMBER	
PHONE NUMBER		ALTERNATE NO.	
EMAIL ADDRESS		EMAIL ADDRESS	

SAMPLE TURN-AROUND TIME: [X] STANDARD (5-7 business) [ ] NEXT DAY [ ] SAME DAY

SAMPLE MATRIX / MEDIA: MP MOLD PLATE, ST SPORE TRAP, TL TAPE LIFT, (B) BULK (circled), O OTHER

Analysis columns: FUNGI — TOTAL AIRBORNE FUNGI (ENUMERATION & GENUS ID); CULTURABLE AIRBORNE FUNGI (ENUMERATION & GENUS ID); TOTAL SURFACE FUNGI (SEMI-QUANTITATIVE ENUMERATION & GENUS ID). ASBESTOS — AIRBORNE FIBER COUNT (NIOSH 7400); BULK MATERIAL (EPA METHOD 600/R-93-116). OTHER.

LAB ID.	DATE COLLECTED	MATRIX/MEDIA	FIELD ID.	SAMPLE LOCATION / DESCRIPTION	TIME / UNITS / CONDITION	Total Airborne Fungi	Culturable Airborne Fungi	Total Surface Fungi	Airborne Fiber Count	Bulk Material	Other
0046	032922	PLM	41	Rm 16 Ceramic tile	Good					X	
↓	↓	↓	42	" " "	↓					↓	
↓	↓	↓	43	" " "	↓					↓	
↓	↓	↓	44	Rm 19 Ceramic tile	↓					↓	
↓	↓	↓	45	" " "	↓					↓	
↓	↓	↓	46	" " "	↓					↓	
↓	↓	↓	47	Rm 25 9x9 floor tile	↓					↓	
↓	↓	↓	48	" " "	↓					↓	
↓	↓	↓	49	" " "	↓					↓	
↓	↓	↓	50	Rm 25 Bathroom tile ~~[illegible]~~ Peel + Stick	↓					↓	

COLLECTED BY	JACOB KING [signature]	DATE / TIME	03/29/22 12:30	RELINQUISHED BY	JACOB KING [signature]	DATE / TIME	03/30/22 11:30
RECEIVED BY IN LABORATORY	[signature]	DATE / TIME	03/30/22 12:45	LABORATORY NOTES	samples accepted		

FIELD NOTES:

METHOD OF SHIPMENT: HAND DELIVERED

PAGE NUMBER 5 OF 10

MARSHALL ENVIRONMENTAL MANAGEMENT, INC.
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405.616.0401 | FAX: 405.681.6753 | MEM@marshallenvironmental.com
www.marshallenvironmental.com

CHAIN OF CUSTODY

PROJECT INFORMATION		CONTACT INFORMATION	
PROJECT ID. NO.	0051-AB-032922-JK	COMPANY	
PROJECT NAME		ATTENTION	
ADDRESS		ADDRESS	
CITY| STATE| ZIP	SAME AS PAGE ONE	CITY| STATE| ZIP	SAME AS PAGE ONE
CONTACT		PHONE NUMBER	
PHONE NUMBER		ALTERNATE NO.	
EMAIL ADDRESS		EMAIL ADDRESS	

SAMPLE TURN-AROUND-TIME

[X] STANDARD (5-7 business) [ ] NEXT DAY [ ] SAME DAY

SAMPLE MATRIX / MEDIA

MP MOLD PLATE | ST SPORE TRAP | TL TAPE LIFT | [B] BULK | O OTHER

SAMPLE IDENTIFICATION NUMBER: LAB ID.	DATE COLLECTED	MATRIX/MEDIA	FIELD ID.	SAMPLE LOCATION / DESCRIPTION	TIME / UNITS / CONDITION	FUNGI: TOTAL AIRBORNE FUNGI (ENUMERATION & GENUS)	FUNGI: CULTURABLE AIRBORNE FUNGI (ENUMERATION & GENUS)	FUNGI: TOTAL SURFACE FUNGI (SEMI-QUANTITATIVE ENUMERATION & GENUS)	ASBESTOS: AIRBORNE FIBER COUNT (NIOSH 7400)	ASBESTOS: BULK MATERIAL (EPA METHOD 600/R-93/116)	OTHER
0046	032922	DUM	51	Rm 9 bathroom 12x12 tile ~~Rec'd Smear~~ JK						X	
			52	" " "							
			53	" " "							
			54	Rm 5 1.5 x 1.5 ceiling tile							
			55	Rm 5 Spray in insulation							
			56	Rm 16 East drywall							
			57	" " "							
			58	" " "							
			59	Rm 19 Drywall west wall							
			60	Rm 20 Drywall N.W. corner							

COLLECTED BY: JACOB KING Jacob King — DATE/TIME: 03/29/22 12:30
RELINQUISHED BY: JACOB KING Jacob King — DATE/TIME: 03/30/22 11:30
RECEIVED BY IN LABORATORY: — DATE/TIME: 03/30/22 12:45
LABORATORY NOTES: samples accepted

FIELD NOTES:

METHOD OF SHIPMENT: HAND DELIVERED

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CHAIN OF CUSTODY

PROJECT INFORMATION		CONTACT INFORMATION	
PROJECT ID. NO.	0051-AB-032922-JK	COMPANY	
PROJECT NAME		ATTENTION	
ADDRESS		ADDRESS	
CITY, STATE, ZIP	SAME AS PAGE ONE	CITY, STATE, ZIP	SAME AS PAGE ONE
CONTACT		PHONE NUMBER	
PHONE NUMBER		ALTERNATE NO.	
EMAIL ADDRESS		EMAIL ADDRESS	

SAMPLE TURN-AROUND-TIME: [X] STANDARD (five business) | [ ] NEXT DAY | [ ] SAME DAY

SAMPLE MATRIX / MEDIA: MP MOLD PLATE | ST SPORE TRAP | TL TAPE LIFT | (B) BULK | O OTHER

SAMPLE IDENTIFICATION NUMBER: LAB ID.	DATE COLLECTED	MATRIX/MEDIA	FIELD ID.	SAMPLE LOCATION / DESCRIPTION	TIME / UNITS / CONDITION	FUNGI: TOTAL AIRBORNE FUNGI (IDENTIFICATION & GENUS ID)	FUNGI: CULTURABLE AIRBORNE FUNGI (IDENTIFICATION & GENUS ID)	FUNGI: TOTAL SURFACE FUNGI (SEMI-QUANTITATIVE ENUMERATION & GENUS ID)	ASBESTOS: AIRBORNE FIBER COUNT (NIOSH 7400)	ASBESTOS: BULK MATERIAL (EPA METHOD 600/R-93/116)	OTHER
0046	032922	PLM	61	Rm 21 Drywall West Center	GOOD					X	
			62	Rm 8 10 linear ft. duct mastic							
			63	Rm 8 " "							
			64	" " "							
			65	Garage #7 Overhead garage caulking							
			66	" " "							
			67	" " "							
			68	Rm 2 Wall mastic East wall							
			69	" " "							
			70	" " "							

COLLECTED BY: JACOB KING — DATE: 03/29/22 — TIME: 13:00
RELINQUISHED BY: JACOB KING — DATE: 03/30/22 — TIME: 9:30
RECEIVED BY IN LABORATORY: — DATE: 03/30/22 — TIME: 12:45
LABORATORY NOTES: samples accepted

FED-EX NO(S):
METHOD OF SHIPMENT: HAND DELIVERED

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www.marshallenvironmental.com

CHAIN OF CUSTODY

PROJECT INFORMATION

PROJECT ID. NO.	00SI-AB-032922-JK
PROJECT NAME	
ADDRESS	
CITY | STATE | ZIP	SAME AS PAGE ONE
CONTACT	
PHONE NUMBER	
EMAIL ADDRESS	

CONTACT INFORMATION

COMPANY	
ATTENTION	
ADDRESS	
CITY | STATE | ZIP	SAME AS PAGE ONE
PHONE NUMBER	
ALTERNATE NO.	
EMAIL ADDRESS	

SAMPLE TURN-AROUND-TIME

X STANDARD (5-7 business) | NEXT DAY | SAME DAY

SAMPLE MATRIX / MEDIA

MP MOLD PLATE | ST SPORE TRAP | TL TAPE LIFT | (B) BULK | O OTHER

LAB ID.	DATE COLLECTED	MATRIX/MEDIA	FIELD ID.	SAMPLE LOCATION / DESCRIPTION	TIME / UNITS / CONDITION	TOTAL-AIRBORNE FUNGI (ENUMERATION & GENUS ID)	CULTURABLE AIRBORNE FUNGI (ENUMERATION & GENUS ID)	TOTAL-SURFACE FUNGI (SEMI-QUANTITATIVE ENUMERATION & GENUS ID)	AIRBORNE FIBER COUNT (NIOSH 7400)	BULK MATERIAL (EPA METHOD 600/R-93-116)	OTHER
0046	032922	PLM	71	Rm 19 Wall Mastic North Wall	Good					X	
↓	↓	↓	72	" " "	↓					↓	
			73	" " "							
			74	Rm 21 Pipe insulation							
			75	" " "							
			76	" " "							
			77	Garage #2 Overhead garage Caulking							
			78	" " "							
			79	" " "							
↓	↓	↓	80	East window caulking (Gray)	↓					↓	

COLLECTED BY	JACOB KING [signature]	DATE / TIME	03/29/22 13:30
RECEIVED BY IN LABORATORY	[signature]	DATE / TIME	03/30/22 12:45
RELINQUISHED BY	JACOB KING [signature]	DATE / TIME	03/30/22 11:30
LABORATORY NOTES	samples accepted		

FIELD NOTES:

METHOD OF SHIPMENT: HAND DELIVERED

PAGE NUMBER 8 OF 10

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CHAIN OF CUSTODY

PROJECT INFORMATION		CONTACT INFORMATION	
PROJECT ID. NO.	0051-AB-032922-JK	COMPANY	
PROJECT NAME		ATTENTION	
ADDRESS		ADDRESS	
CITY| STATE| ZIP	SAME AS PAGE ONE	CITY| STATE| ZIP	SAME AS PAGE ONE
CONTACT		PHONE NUMBER	
PHONE NUMBER		ALTERNATE NO.	
EMAIL ADDRESS		EMAIL ADDRESS	

SAMPLE TURN-AROUND-TIME

STANDARD (5-7 business)	NEXT DAY	SAME DAY
X		

SAMPLE MATRIX / MEDIA

MP	MOLD PLATE	ST	SPORE TRAP	TL	TAPE LIFT	B	BULK	O	OTHER
						X			

SAMPLE IDENTIFICATION NUMBER				SAMPLE LOCATION / DESCRIPTION	TIME / UNITS / CONDITION	FUNGI			ASBESTOS		OTHER
LAB ID.	DATE COLLECTED	MATRIX/MEDIA	FIELD ID.			TOTAL-AIRBORNE FUNGI (ENUMERATION & GENUS ID)	CULTURABLE AIRBORNE FUNGI (ENUMERATION & GENUS ID)	TOTAL-SURFACE FUNGI (SEMI-QUANTITATIVE ENUMERATION & GENUS ID)	AIRBORNE FIBER COUNT (NIOSH 7400)	BULK MATERIAL (EPA METHOD 600/R-93-116)	
0046	032922	PLM	81	East window Caulking (gray)	GOOD					X	
			82	" " "							
			83	RM 19 BAT insulation							
			84	" " "							
			85	" " "							
			86	East window Caulking (white)							
			87	" " "							
			88	" " "							
			89	RM 17 Safe fireproofing	DAMAGED						
			90	" " "							

COLLECTED BY	JACOB KING Jacob King	DATE	03/29/22	RELINQUISHED BY	JACOB KING Jacob King	DATE	03/30/22
		TIME	14:00			TIME	11:30
RECEIVED BY IN LABORATORY		DATE	03/30/22	LABORATORY NOTES	samples accepted		
		TIME	12:45				

FIELD NOTES:

METHOD OF SHIPMENT: HAND DELIVERED

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CHAIN OF CUSTODY

PROJECT INFORMATION		CONTACT INFORMATION	
PROJECT ID. NO.	0051-AB-032922-JK	COMPANY	
PROJECT NAME		ATTENTION	
ADDRESS		ADDRESS	
CITY, STATE, ZIP	SAME AS PAGE ONE	CITY, STATE, ZIP	SAME AS PAGE ONE
CONTACT		PHONE NUMBER	
PHONE NUMBER		ALTERNATE NO.	
EMAIL ADDRESS		EMAIL ADDRESS	

SAMPLE TURN-AROUND-TIME: STANDARD (1-2 business) | NEXT DAY | SAME DAY

SAMPLE MATRIX / MEDIA: MP MOLD PLATE | ST SPORE TRAP | TL TAPE LIFT | B BULK | O OTHER

SAMPLE IDENTIFICATION NUMBER: LAB ID.	DATE COLLECTED	MATRIX/MEDIA	FIELD ID.	SAMPLE LOCATION / DESCRIPTION	TIME / UNITS / CONDITION	FUNGI: TOTAL AIRBORNE FUNGI (ENUMERATION & GENUS ID)	FUNGI: CULTURABLE AIRBORNE FUNGI (ENUMERATION & GENUS ID)	FUNGI: TOTAL SURFACE FUNGI (SEMI-QUANTITATIVE ENUMERATION & GENUS ID)	ASBESTOS: AIRBORNE FIBER COUNT (NIOSH 7400)	ASBESTOS: BULK MATERIAL (EPA METHOD 600/R-93/116)	OTHER
0046	032922	PLM	91	Rm 16 Safe door fireproofing	~~DAMAGED~~ GOOD						
			92	North Door Caulking							
			93	N.E. Door Caulking							
			94	S.E. Door Caulking							
			95	Transite Ext. East wall South							
			96	Transite Ext. East wall Center							
			97	Transite Ext. East wall North							

COLLECTED BY	JACOB KING Jack P King	DATE	03/29/22	RELINQUISHED BY	JACOB KING Jack P King	DATE	03/30/22
		TIME	14:35			TIME	11:30
RECEIVED BY IN LABORATORY		DATE	03/30/22	LABORATORY NOTES	samples accepted		
		TIME	12:45				

FIELD NOTES:

METHOD OF SHIPMENT: HAND DELIVERED

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BULK ASBESTOS ANALYSIS

PROJECT INFORMATION		CONTACT INFORMATION	
PROJECT ID. NO.	0051-AB-032922-JK	COMPANY	ODEQ Land Protection Division
PROJECT NAME	Cherokee Old Town Hall	ATTENTION	Trenton Wilchen
ADDRESS	119 N Grand Avenue	ADDRESS	707 N Robinson Avenue
CITY| STATE| ZIP	Cherokee, OK 73728	CITY| STATE| ZIP	Oklahoma City, OK 73102
SITE CONTACT	Michael Jones	PHONE NO.	405.702.5108
PHONE NO.	580.596.3052	ALTERNATE NO.	
EMAIL ADDRESS		EMAIL ADDRESS	trenton.wilhelm@deq.ok.gov

SAMPLE ID. NO.	SAMPLE DESCRIPTION	COLOR	% ASBESTOS				% MATRIX					
0046-032922-B-01	Gasket	Blue/Gray	40%	Chrysotile			35%	Cellulose	10%	Adhesive		
			5%	Crocidolite			10%	Paint				
0046-032922-B-02	Gasket	Blue/Gray	40%	Chrysotile			35%	Cellulose	10%	Adhesive		
			5%	Crocidolite			10%	Paint				
0046-032922-B-03	Gasket	Blue/Gray	40%	Chrysotile			35%	Cellulose	10%	Adhesive		
			5%	Crocidolite			10%	Paint				
0046-032922-B-04	Fireproofing	Gray	60%	Chrysotile			30%	Cellulose				
							10%	Paint				
0046-032922-B-05	Fireproofing	White		NO ASBESTOS DETECTED			85%	Gypsum				
							15%	Cellulose				
0046-032922-B-06	Fireproofing	White		NO ASBESTOS DETECTED			85%	Gypsum				
							15%	Cellulose				
0046-032922-B-07A	Texture	White		NO ASBESTOS DETECTED			90%	Calcium Carbonate				
							10%	Paint				
0046-032922-B-07B	Plaster	Tan		NO ASBESTOS DETECTED			40%	Sand	20%	Quartz		
							40%	Silica				
0046-032922-B-07C	Drywall	White		NO ASBESTOS DETECTED			85%	Gypsum				
							15%	Cellulose				
0046-032922-B-08A	Texture	White		NO ASBESTOS DETECTED			90%	Calcium Carbonate				
							10%	Paint				

ANALYST NAME	Sandy West	ANALYST SIGNATURE	Sandy West	DATE ANALYZED	4/1/2022
ANALYTICAL METHODOLOGY	Test Methods: EPA/600/M4-82-020 as amended in 40 CFR, Part 763, Subpart E, Appendix E "Interim Method for determination of Asbestos in Bulk Insulation Samples", referred to as the US EPA 600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials by Polarized Light Microscopy (PLM).			LAB ACCREDITATION	American Industrial Hygiene Association (AIHA) Bulk Asbestos Proficiency Analytical Testing (BAPAT) Programs: Participant # 102334

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BULK ASBESTOS ANALYSIS

PROJECT INFORMATION		CONTACT INFORMATION	
PROJECT ID. NO.	0051-AB-032922-JK	COMPANY	ODEQ Land Protection Division
PROJECT NAME	Cherokee Old Town Hall	ATTENTION	Trenton Wilchen
ADDRESS	119 N Grand Avenue	ADDRESS	707 N Robinson Avenue
CITY| STATE| ZIP	Cherokee, OK 73728	CITY| STATE| ZIP	Oklahoma City, OK 73102
SITE CONTACT	Michael Jones	PHONE NO.	405.702.5108
PHONE NO.	580.596.3052	ALTERNATE NO.	
EMAIL ADDRESS		EMAIL ADDRESS	trenton.wilhelm@deq.ok.gov

SAMPLE ID. NO.	SAMPLE DESCRIPTION	COLOR	% ASBESTOS	% MATRIX					
0046-032922-B-08B	Plaster	Tan	NO ASBESTOS DETECTED	40%	Sand	20%	Quartz		
				40%	Silica				
0046-032922-B-08C	Drywall	White	NO ASBESTOS DETECTED	85%	Gypsum				
				15%	Cellulose				
0046-032922-B-09A	Texture	White	NO ASBESTOS DETECTED	90%	Calcium Carbonate				
				10%	Paint				
0046-032922-B-09B	Plaster	Tan	NO ASBESTOS DETECTED	40%	Sand	20%	Quartz		
				40%	Silica				
0046-032922-B-10	Ceiling Tile	White	NO ASBESTOS DETECTED	90%	Cellulose				
				10%	Paint				
0046-032922-B-11	Insulation	White	NO ASBESTOS DETECTED	100%	Fibrous Glass				
0046-032922-B-12	Debri - Insulation	Gray	NO ASBESTOS DETECTED	100%	Cellulose				
0046-032922-B-13	Debri - Insulation	Gray	NO ASBESTOS DETECTED	100%	Cellulose				
0046-032922-B-14	Debri - Insulation	Gray	NO ASBESTOS DETECTED	100%	Cellulose				
0046-032922-B-15	Ceiling Tile	White	NO ASBESTOS DETECTED	40%	Cellulose	20%	Perlite		
				30%	Fibrous Glass	10%	Paint		

ANALYST NAME	Sandy West	ANALYST SIGNATURE	Sandy West	DATE ANALYZED	4/1/2022
ANALYTICAL METHODOLOGY	Test Methods: EPA/600/M4-82-020 as amended in 40 CFR, Part 763, Subpart E, Appendix E "Interim Method for determination of Asbestos in Bulk Insulation Samples", referred to as the US EPA 600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials by Polarized Light Microscopy (PLM).			LAB ACCREDITATION	American Industrial Hygiene Association (AIHA) Bulk Asbestos Proficiency Analytical Testing (BAPAT) Programs: Participant # 102334

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BULK ASBESTOS ANALYSIS

PROJECT INFORMATION		CONTACT INFORMATION	
PROJECT ID. NO.	0051-AB-032922-JK	COMPANY	ODEQ Land Protection Division
PROJECT NAME	Cherokee Old Town Hall	ATTENTION	Trenton Wilchen
ADDRESS	119 N Grand Avenue	ADDRESS	707 N Robinson Avenue
CITY| STATE| ZIP	Cherokee, OK 73728	CITY| STATE| ZIP	Oklahoma City, OK 73102
SITE CONTACT	Michael Jones	PHONE NO.	405.702.5108
PHONE NO.	580.596.3052	ALTERNATE NO.	
EMAIL ADDRESS		EMAIL ADDRESS	trenton.wilhelm@deq.ok.gov

SAMPLE ID. NO.	SAMPLE DESCRIPTION	COLOR	% ASBESTOS	% MATRIX			
0046-032922-B-16	Ceiling Tile	White	NO ASBESTOS DETECTED	40% Cellulose	20% Perlite		
				30% Fibrous Glass	10% Paint		
0046-032922-B-17	Ceiling Tile	White	NO ASBESTOS DETECTED	40% Cellulose	20% Perlite		
				30% Fibrous Glass	10% Paint		
0046-032922-B-18	Ceiling Tile	Cream	NO ASBESTOS DETECTED	90% Cellulose			
				10% Paint			
0046-032922-B-19	Insulation	White	NO ASBESTOS DETECTED	100% Fibrous Glass			
0046-032922-B-20	Particle Board	Brown	NO ASBESTOS DETECTED	90% Cellulose			
				10% Paint			
0046-032922-B-21	Particle Board	Brown	NO ASBESTOS DETECTED	90% Cellulose			
				10% Paint			
0046-032922-B-22	Particle Board	Brown	NO ASBESTOS DETECTED	90% Cellulose			
				10% Paint			
0046-032922-B-23	Ceiling Tile	White	NO ASBESTOS DETECTED	40% Cellulose	20% Perlite		
				30% Fibrous Glass	10% Paint		
0046-032922-B-24	Ceiling Tile	White	NO ASBESTOS DETECTED	40% Cellulose	20% Perlite		
				30% Fibrous Glass	10% Paint		
0046-032922-B-25	Ceiling Tile	White	NO ASBESTOS DETECTED	40% Cellulose	20% Perlite		
				30% Fibrous Glass	10% Paint		

ANALYST NAME	Sandy West	ANALYST SIGNATURE	Sandy West	DATE ANALYZED	4/1/2022
ANALYTICAL METHODOLOGY	Test Methods: EPA/600/M4-82-020 as amended in 40 CFR, Part 763, Subpart E, Appendix E "Interim Method for determination of Asbestos in Bulk Insulation Samples", referred to as the US EPA 600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials by Polarized Light Microscopy (PLM).			LAB ACCREDITATION	American Industrial Hygiene Association (AIHA) Bulk Asbestos Proficiency Analytical Testing (BAPAT) Programs: Participant # 102334

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www.marshallenvironmental.com

BULK ASBESTOS ANALYSIS

PROJECT INFORMATION		CONTACT INFORMATION	
PROJECT ID. NO.	0051-AB-032922-JK	COMPANY	ODEQ Land Protection Division
PROJECT NAME	Cherokee Old Town Hall	ATTENTION	Trenton Wilchen
ADDRESS	119 N Grand Avenue	ADDRESS	707 N Robinson Avenue
CITY| STATE| ZIP	Cherokee, OK 73728	CITY| STATE| ZIP	Oklahoma City, OK 73102
SITE CONTACT	Michael Jones	PHONE NO.	405.702.5108
PHONE NO.	580.596.3052	ALTERNATE NO.	
EMAIL ADDRESS		EMAIL ADDRESS	trenton.wilhelm@deq.ok.gov

SAMPLE ID. NO.	SAMPLE DESCRIPTION	COLOR	% ASBESTOS	% MATRIX			
0046-032922-B-26A	Wrap	Gray	NO ASBESTOS DETECTED	75% Cellulose	10% Adhesive		
				15% Vinyl			
0046-032922-B-26B	Backing	Silver/Black	NO ASBESTOS DETECTED	90% Tar			
				10% Foil			
0046-032922-B-26C	Insulation	Tan	NO ASBESTOS DETECTED	100% Fibrous Glass			
0046-032922-B-27A	Wrap	Gray	NO ASBESTOS DETECTED	75% Cellulose	10% Adhesive		
				15% Vinyl			
0046-032922-B-27B	Backing	Silver/Black	NO ASBESTOS DETECTED	90% Tar			
				10% Foil			
0046-032922-B-27C	Insulation	Tan	NO ASBESTOS DETECTED	100% Fibrous Glass			
0046-032922-B-28A	Wrap	Gray	NO ASBESTOS DETECTED	75% Cellulose	10% Adhesive		
				15% Vinyl			
0046-032922-B-28B	Backing	Silver/Black	NO ASBESTOS DETECTED	90% Tar			
				10% Foil			
0046-032922-B-28C	Insulation	Tan	NO ASBESTOS DETECTED	100% Fibrous Glass			
0046-032922-B-29	Insulation	Tan	NO ASBESTOS DETECTED	100% Fibrous Glass			

ANALYST NAME	Sandy West	ANALYST SIGNATURE	Sandy West	DATE ANALYZED	4/1/2022
ANALYTICAL METHODOLOGY	Test Methods: EPA/600/M4-82-020 as amended in 40 CFR, Part 763, Subpart E, Appendix E "Interim Method for determination of Asbestos in Bulk Insulation Samples", referred to as the US EPA 600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials by Polarized Light Microscopy (PLM).			LAB ACCREDITATION	American Industrial Hygiene Association (AIHA) Bulk Asbestos Proficiency Analytical Testing (BAPAT) Programs: Participant # 102334

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BULK ASBESTOS ANALYSIS

PROJECT INFORMATION		CONTACT INFORMATION	
PROJECT ID. NO.	0051-AB-032922-JK	COMPANY	ODEQ Land Protection Division
PROJECT NAME	Cherokee Old Town Hall	ATTENTION	Trenton Wilchen
ADDRESS	119 N Grand Avenue	ADDRESS	707 N Robinson Avenue
CITY| STATE| ZIP	Cherokee, OK 73728	CITY| STATE| ZIP	Oklahoma City, OK 73102
SITE CONTACT	Michael Jones	PHONE NO.	405.702.5108
PHONE NO.	580.596.3052	ALTERNATE NO.	
EMAIL ADDRESS		EMAIL ADDRESS	trenton.wilhelm@deq.ok.gov

SAMPLE ID. NO.	SAMPLE DESCRIPTION	COLOR	% ASBESTOS	% MATRIX
0046-032922-B-30	Insulation	Tan	NO ASBESTOS DETECTED	100% Fibrous Glass
0046-032922-B-31	Insulation	Tan	NO ASBESTOS DETECTED	100% Fibrous Glass
0046-032922-B-32A	Texture	White	NO ASBESTOS DETECTED	90% Calcium Carbonate 10% Paint
0046-032922-B-32B	Tape	White	NO ASBESTOS DETECTED	100% Cellulose
0046-032922-B-32C	Joint Compound	White	NO ASBESTOS DETECTED	100% Calcium Carbonate
0046-032922-B-32D	Drywall	White	NO ASBESTOS DETECTED	85% Gypsum 15% Cellulose
0046-032922-B-33A	Texture	White	NO ASBESTOS DETECTED	90% Calcium Carbonate 10% Paint
0046-032922-B-33B	Tape	White	NO ASBESTOS DETECTED	100% Cellulose
0046-032922-B-33C	Joint Compound	White	NO ASBESTOS DETECTED	100% Calcium Carbonate
0046-032922-B-33D	Drywall	White	NO ASBESTOS DETECTED	85% Gypsum 15% Cellulose

ANALYST NAME	Sandy West	ANALYST SIGNATURE	Sandy West	DATE ANALYZED	4/1/2022
ANALYTICAL METHODOLOGY	Test Methods: EPA/600/M4-82-020 as amended in 40 CFR, Part 763, Subpart E, Appendix E "Interim Method for determination of Asbestos in Bulk Insulation Samples", referred to as the US EPA 600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials by Polarized Light Microscopy (PLM).			LAB ACCREDITATION	American Industrial Hygiene Association (AIHA) Bulk Asbestos Proficiency Analytical Testing (BAPAT) Programs: Participant # 102334

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BULK ASBESTOS ANALYSIS

PROJECT INFORMATION		CONTACT INFORMATION	
PROJECT ID. NO.	0051-AB-032922-JK	COMPANY	ODEQ Land Protection Division
PROJECT NAME	Cherokee Old Town Hall	ATTENTION	Trenton Wilchen
ADDRESS	119 N Grand Avenue	ADDRESS	707 N Robinson Avenue
CITY| STATE| ZIP	Cherokee, OK 73728	CITY| STATE| ZIP	Oklahoma City, OK 73102
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EMAIL ADDRESS		EMAIL ADDRESS	trenton.wilhelm@deq.ok.gov

SAMPLE ID. NO.	SAMPLE DESCRIPTION	COLOR	% ASBESTOS	% MATRIX
0046-032922-B-34A	Texture	White	NO ASBESTOS DETECTED	90% Calcium Carbonate 10% Paint
0046-032922-B-34B	Tape	White	NO ASBESTOS DETECTED	100% Cellulose
0046-032922-B-34C	Joint Compound	White	NO ASBESTOS DETECTED	100% Calcium Carbonate
0046-032922-B-34D	Drywall	White	NO ASBESTOS DETECTED	85% Gypsum 15% Cellulose
0046-032922-B-35	Plaster	Gray	NO ASBESTOS DETECTED	40% Sand, 20% Quartz 30% Silica, 10% Paint
0046-032922-B-36	Plaster	Gray	NO ASBESTOS DETECTED	40% Sand, 20% Quartz 30% Silica, 10% Paint
0046-032922-B-37	Plaster	Gray	NO ASBESTOS DETECTED	40% Sand, 20% Quartz 30% Silica, 10% Paint
0046-032922-B-38	Plaster	Tan	NO ASBESTOS DETECTED	40% Sand, 20% Quartz 30% Silica, 10% Paint
0046-032922-B-39	Plaster	Tan	NO ASBESTOS DETECTED	40% Sand, 20% Quartz 30% Silica, 10% Paint
0046-032922-B-40	Plaster	Tan	NO ASBESTOS DETECTED	40% Sand, 20% Quartz 30% Silica, 10% Paint

ANALYST NAME	Sandy West	ANALYST SIGNATURE	Sandy West	DATE ANALYZED	4/1/2022
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SAMPLE ID. NO.	SAMPLE DESCRIPTION	COLOR	% ASBESTOS	% MATRIX
0046-032922-B-41A	Ceramic Tile	Brick Red	NO ASBESTOS DETECTED	100% Silica
0046-032922-B-41B	Grout	Gray	NO ASBESTOS DETECTED	40% Sand, 20% Quartz, 40% Silica
0046-032922-B-42A	Ceramic Tile	Brick Red	NO ASBESTOS DETECTED	100% Silica
0046-032922-B-42B	Grout	Gray	NO ASBESTOS DETECTED	40% Sand, 20% Quartz, 40% Silica
0046-032922-B-43A	Ceramic Tile	Brick Red	NO ASBESTOS DETECTED	100% Silica
0046-032922-B-43B	Grout	Gray	NO ASBESTOS DETECTED	40% Sand, 20% Quartz, 40% Silica
0046-032922-B-43C	Ceramic Tile	White	NO ASBESTOS DETECTED	100% Silica
0046-032922-B-43D	Grout	Gray	NO ASBESTOS DETECTED	40% Sand, 20% Quartz, 40% Silica
0046-032922-B-44A	Ceramic Tile	Brown	NO ASBESTOS DETECTED	100% Silica
0046-032922-B-44B	Grout	Light Gray	NO ASBESTOS DETECTED	40% Sand, 20% Quartz, 40% Silica

ANALYST NAME	Sandy West	ANALYST SIGNATURE	Sandy West	DATE ANALYZED	4/1/2022
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SAMPLE ID. NO.	SAMPLE DESCRIPTION	COLOR	% ASBESTOS	% MATRIX
0046-032922-B-45A	Ceramic Tile	Brown	NO ASBESTOS DETECTED	100% Silica
0046-032922-B-45B	Grout	Light Gray	NO ASBESTOS DETECTED	40% Sand, 20% Quartz, 40% Silica
0046-032922-B-46A	Ceramic Tile	Brown	NO ASBESTOS DETECTED	100% Silica
0046-032922-B-46B	Grout	Light Gray	NO ASBESTOS DETECTED	40% Sand, 20% Quartz, 40% Silica
0046-032922-B-47A	Floor Tile	Brown	NO ASBESTOS DETECTED	100% Vinyl Aggregate
0046-032922-B-47B	Mastic	White	NO ASBESTOS DETECTED	100% Adhesive
0046-032922-B-48A	Floor Tile	Brown	NO ASBESTOS DETECTED	100% Vinyl Aggregate
0046-032922-B-48B	Mastic	White	NO ASBESTOS DETECTED	100% Adhesive
0046-032922-B-49A	Floor Tile	Brown	NO ASBESTOS DETECTED	100% Vinyl Aggregate
0046-032922-B-49B	Mastic	White	NO ASBESTOS DETECTED	100% Adhesive

ANALYST NAME	Sandy West	ANALYST SIGNATURE	Sandy West	DATE ANALYZED	4/1/2022
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SAMPLE ID. NO.	SAMPLE DESCRIPTION	COLOR	% ASBESTOS	% MATRIX
0046-032922-B-50A	Flooring	Black	NO ASBESTOS DETECTED	100% Vinyl Aggregate
0046-032922-B-50B	Mastic	Clear	NO ASBESTOS DETECTED	100% Adhesive
0046-032922-B-51A	Floor Tile	Light Gray	NO ASBESTOS DETECTED	100% Vinyl Aggregate
0046-032922-B-51B	Mastic	Yellow	NO ASBESTOS DETECTED	100% Adhesive
0046-032922-B-52A	Floor Tile	Light Gray	NO ASBESTOS DETECTED	100% Vinyl Aggregate
0046-032922-B-52B	Mastic	Yellow	NO ASBESTOS DETECTED	100% Adhesive
0046-032922-B-53A	Floor Tile	Light Gray	NO ASBESTOS DETECTED	100% Vinyl Aggregate
0046-032922-B-53B	Mastic	Yellow	NO ASBESTOS DETECTED	100% Adhesive
0046-032922-B-54	Ceiling Tile	White	NO ASBESTOS DETECTED	90% Cellulose 10% Paint
0046-032922-B-55	Insulation	White	NO ASBESTOS DETECTED	100% Fibrous Glass

ANALYST NAME	Sandy West	ANALYST SIGNATURE	Sandy West	DATE ANALYZED	4/4/2022
ANALYTICAL METHODOLOGY	Test Methods: EPA/600/M4-82-020 as amended in 40 CFR, Part 763, Subpart E, Appendix E "Interim Method for determination of Asbestos in Bulk Insulation Samples", referred to as the US EPA 600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials by Polarized Light Microscopy (PLM).			LAB ACCREDITATION	American Industrial Hygiene Association (AIHA) Bulk Asbestos Proficiency Analytical Testing (BAPAT) Programs: Participant # 102334

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PHONE NO.	580.596.3052	ALTERNATE NO.	
EMAIL ADDRESS		EMAIL ADDRESS	trenton.wilhelm@deq.ok.gov

SAMPLE ID. NO.	SAMPLE DESCRIPTION	COLOR	% ASBESTOS	% MATRIX
0046-032922-B-56A	Texture	White	NO ASBESTOS DETECTED	90% Calcium Carbonate 10% Paint
0046-032922-B-56B	Drywall	White	NO ASBESTOS DETECTED	85% Gypsum 15% Cellulose
0046-032922-B-57A	Texture	White	NO ASBESTOS DETECTED	90% Calcium Carbonate 10% Paint
0046-032922-B-57B	Drywall	White	NO ASBESTOS DETECTED	85% Gypsum 15% Cellulose
0046-032922-B-58A	Texture	White	NO ASBESTOS DETECTED	90% Calcium Carbonate 10% Paint
0046-032922-B-58B	Drywall	White	NO ASBESTOS DETECTED	85% Gypsum 15% Cellulose
0046-032922-B-59A	Texture	White	NO ASBESTOS DETECTED	90% Calcium Carbonate 10% Paint
0046-032922-B-59B	Drywall	White	NO ASBESTOS DETECTED	85% Gypsum 15% Cellulose
0046-032922-B-60A	Texture	White	NO ASBESTOS DETECTED	90% Calcium Carbonate 10% Paint
0046-032922-B-60B	Tape	White	NO ASBESTOS DETECTED	100% Cellulose

ANALYST NAME	Sandy West	ANALYST SIGNATURE	Sandy West	DATE ANALYZED	4/4/2022
ANALYTICAL METHODOLOGY	Test Methods: EPA/600/M4-82-020 as amended in 40 CFR, Part 763, Subpart E, Appendix E "Interim Method for determination of Asbestos in Bulk Insulation Samples", referred to as the US EPA 600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials by Polarized Light Microscopy (PLM).			LAB ACCREDITATION	American Industrial Hygiene Association (AIHA) Bulk Asbestos Proficiency Analytical Testing (BAPAT) Programs: Participant # 102334

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PHONE NO.	580.596.3052	ALTERNATE NO.	
EMAIL ADDRESS		EMAIL ADDRESS	trenton.wilhelm@deq.ok.gov

SAMPLE ID. NO.	SAMPLE DESCRIPTION	COLOR	% ASBESTOS	% MATRIX
0046-032922-B-60C	Joint Compound	White	NO ASBESTOS DETECTED	100% Calcium Carbonate
0046-032922-B-60D	Drywall	White	NO ASBESTOS DETECTED	85% Gypsum 15% Cellulose
0046-032922-B-61A	Texture	White	NO ASBESTOS DETECTED	90% Calcium Carbonate 10% Paint
0046-032922-B-61B	Drywall	White	NO ASBESTOS DETECTED	85% Gypsum 15% Cellulose
0046-032922-B-62	Duct Mastic	Beige	NO ASBESTOS DETECTED	80% Aggregate 10% Foil 10% Synthetic Fibers
0046-032922-B-63	Duct Mastic	Beige	NO ASBESTOS DETECTED	80% Aggregate 10% Foil 10% Synthetic Fibers
0046-032922-B-64	Duct Mastic	Beige	NO ASBESTOS DETECTED	80% Aggregate 10% Foil 10% Synthetic Fibers
0046-032922-B-65	Caulk	Light Gray	NO ASBESTOS DETECTED	90% Aggregate 10% Paint
0046-032922-B-66	Caulk	Light Gray	NO ASBESTOS DETECTED	90% Aggregate 10% Paint
0046-032922-B-67	Caulk	Light Gray	NO ASBESTOS DETECTED	90% Aggregate 10% Paint

ANALYST NAME	Sandy West	ANALYST SIGNATURE	Sandy West	DATE ANALYZED	4/4/2022
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EMAIL ADDRESS		EMAIL ADDRESS	trenton.wilhelm@deq.ok.gov

SAMPLE ID. NO.	SAMPLE DESCRIPTION	COLOR	% ASBESTOS		% MATRIX	
0046-032922-B-68	Mastic	Gray	10%	Chrysotile	90%	Adhesive
0046-032922-B-69	Mastic	Gray	10%	Chrysotile	90%	Adhesive
0046-032922-B-70	Mastic	Gray	10%	Chrysotile	90%	Adhesive
0046-032922-B-71	Mastic	Dark Yellow		NO ASBESTOS DETECTED	100%	Adhesive
0046-032922-B-72	Mastic	Dark Yellow		NO ASBESTOS DETECTED	100%	Adhesive
0046-032922-B-73	Mastic	Dark Yellow		NO ASBESTOS DETECTED	100%	Adhesive
0046-032922-B-74A	Pipe Wrap	White		NO ASBESTOS DETECTED	70% 20%	Aggregate Cellulose
0046-032922-B-74B	Insulation	Black		NO ASBESTOS DETECTED	100%	Foam
0046-032922-B-75A	Pipe Wrap	White		NO ASBESTOS DETECTED	70% 20%	Aggregate Cellulose
0046-032922-B-75B	Insulation	Black		NO ASBESTOS DETECTED	100%	Foam

ANALYST NAME	Sandy West	ANALYST SIGNATURE	Sandy West	DATE ANALYZED	4/4/2022
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SAMPLE ID. NO.	SAMPLE DESCRIPTION	COLOR	% ASBESTOS	% MATRIX
0046-032922-B-76A	Pipe Wrap	White	NO ASBESTOS DETECTED	70% Aggregate, 10% Paint, 20% Cellulose
0046-032922-B-76B	Insulation	Black	NO ASBESTOS DETECTED	100% Foam
0046-032922-B-77	Caulk	Clear	NO ASBESTOS DETECTED	100% Silicone
0046-032922-B-78	Caulk	Clear	NO ASBESTOS DETECTED	100% Silicone
0046-032922-B-79	Caulk	Clear	NO ASBESTOS DETECTED	100% Silicone
0046-032922-B-80	Caulk	Gray	NO ASBESTOS DETECTED	100% Aggregate
0046-032922-B-81	Caulk	Gray	NO ASBESTOS DETECTED	100% Aggregate
0046-032922-B-82	Caulk	Gray	NO ASBESTOS DETECTED	100% Aggregate
0046-032922-B-83	Insulation	Yellow	NO ASBESTOS DETECTED	100% Fibrous Glass
0046-032922-B-84	Insulation	Yellow	NO ASBESTOS DETECTED	100% Fibrous Glass

ANALYST NAME	Sandy West	ANALYST SIGNATURE	Sandy West	DATE ANALYZED	4/4/2022
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SAMPLE ID. NO.	SAMPLE DESCRIPTION	COLOR	% ASBESTOS		% MATRIX	
0046-032922-B-85	Insulation	Yellow	NO ASBESTOS DETECTED		100%	Fibrous Glass
0046-032922-B-86	Caulk	White	NO ASBESTOS DETECTED		90% 10%	Aggregate Paint
0046-032922-B-87	Caulk	White	NO ASBESTOS DETECTED		90% 10%	Aggregate Paint
0046-032922-B-88	Caulk	White	NO ASBESTOS DETECTED		90% 10%	Aggregate Paint
0046-032922-B-89	Fireproofing	White	15%	Chrysotile	50% 35%	Aggregate Fibrous Glass
0046-032922-B-90	Fireproofing	White	15%	Chrysotile	50% 35%	Aggregate Fibrous Glass
0046-032922-B-91	Fireproofing	White	15%	Chrysotile	50% 35%	Aggregate Fibrous Glass
0046-032922-B-92	Caulk	White	NO ASBESTOS DETECTED		100%	Aggregate
0046-032922-B-93	Caulk	Gray	NO ASBESTOS DETECTED		100%	Aggregate
0046-032922-B-94	Caulk	Gray	NO ASBESTOS DETECTED		100%	Aggregate

ANALYST NAME	Sandy West	ANALYST SIGNATURE	Sandy West	DATE ANALYZED	4/4/2022
ANALYTICAL METHODOLOGY	Test Methods: EPA/600/M4-82-020 as amended in 40 CFR, Part 763, Subpart E, Appendix E "Interim Method for determination of Asbestos in Bulk Insulation Samples", referred to as the US EPA 600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials by Polarized Light Microscopy (PLM).			LAB ACCREDITATION	American Industrial Hygiene Association (AIHA) Bulk Asbestos Proficiency Analytical Testing (BAPAT) Programs: Participant # 102334

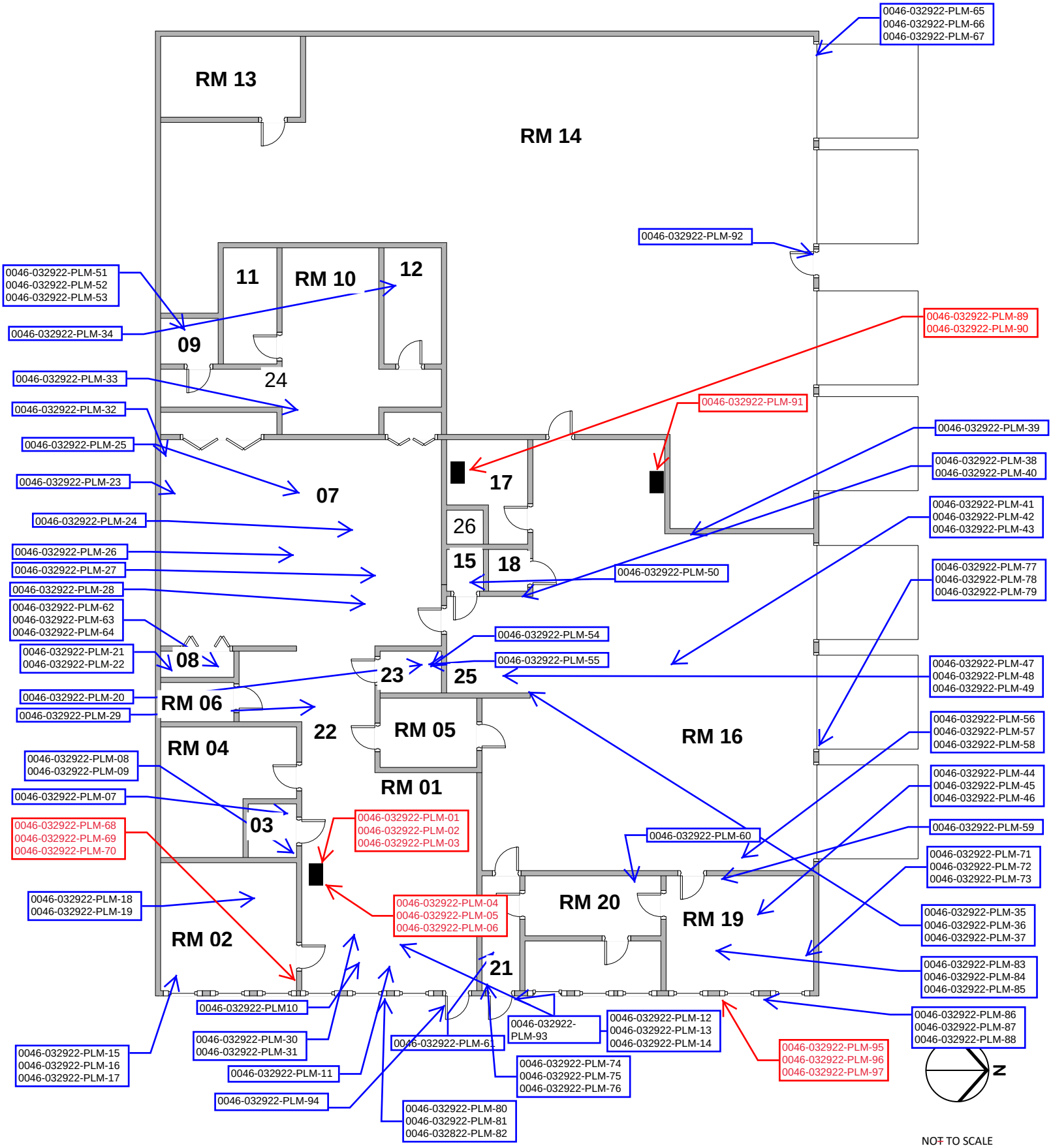
MARSHALL ENVIRONMENTAL MANAGEMENT, INC.
1301 N MARTIN LUTHER KING AVENUE
OKLAHOMA CITY, OK 73117
405.616.0401 | FAX: 405.681.6753 | MEM@marshallenvironmental.com
www.marshallenvironmental.com

BULK ASBESTOS ANALYSIS

PROJECT INFORMATION		CONTACT INFORMATION	
PROJECT ID. NO.	0051-AB-032922-JK	COMPANY	ODEQ Land Protection Division
PROJECT NAME	Cherokee Old Town Hall	ATTENTION	Trenton Wilchen
ADDRESS	119 N Grand Avenue	ADDRESS	707 N Robinson Avenue
CITY| STATE| ZIP	Cherokee, OK 73728	CITY| STATE| ZIP	Oklahoma City, OK 73102
SITE CONTACT	Michael Jones	PHONE NO.	405.702.5108
PHONE NO.	580.596.3052	ALTERNATE NO.	
EMAIL ADDRESS		EMAIL ADDRESS	trenton.wilhelm@deq.ok.gov

SAMPLE ID. NO.	SAMPLE DESCRIPTION	COLOR	% ASBESTOS				% MATRIX					
0046-032922-B-95	Transite	Gray	25%	Chrysotile			75%	Cementous Material				
0046-032922-B-96	Transite	Gray	25%	Chrysotile			75%	Cementous Material				
0046-032922-B-97	Transite	Gray	25%	Chrysotile			75%	Cementous Material				

ANALYST NAME	Sandy West	ANALYST SIGNATURE	Sandy West	DATE ANALYZED	4/4/2022
ANALYTICAL METHODOLOGY	Test Methods: EPA/600/M4-82-020 as amended in 40 CFR, Part 763, Subpart E, Appendix E "Interim Method for determination of Asbestos in Bulk Insulation Samples", referred to as the US EPA 600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials by Polarized Light Microscopy (PLM).			LAB ACCREDITATION	American Industrial Hygiene Association (AIHA) Bulk Asbestos Proficiency Analytical Testing (BAPAT) Programs: Participant # 102334



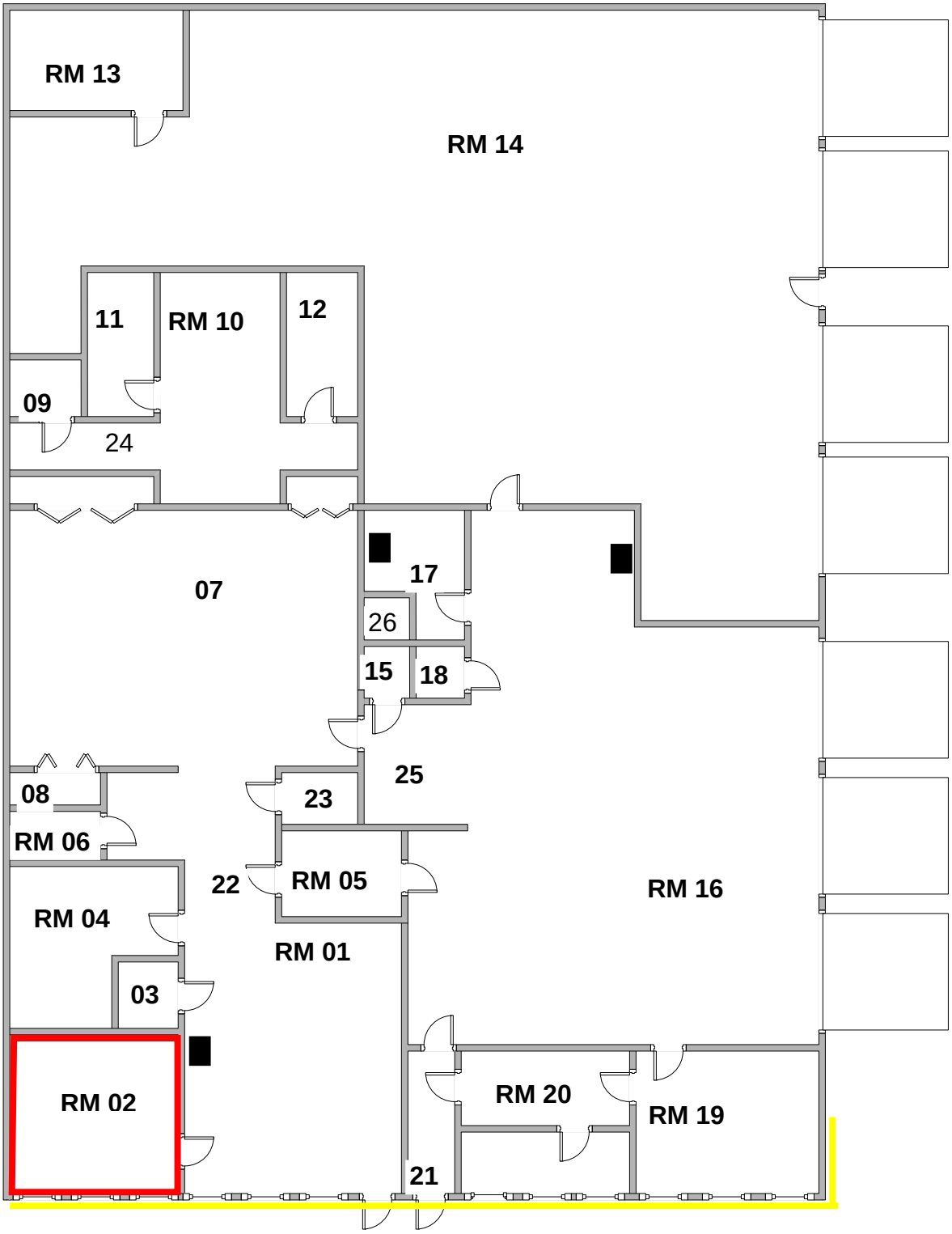
NOT TO SCALE

MEM MARSHALL ENVIRONMENTAL MANAGEMENT	**SAMPLE LOCATIONS**	1 FIGURE
	CHEROKEE OLD TOWN HALL 119 N GRAND AVENUE CHEROKEE, OK 73728	PREPARED BY: JACOB P. KING DATE PREPARED: 03/30/2022 MEM PROJECT ID: 0051-AB-032922-JK

ASBESTOS CONTAINING SAFE GASKET AND FIRPROOFING

ASBESTOS CONTAINING WALL MASTIC

ASBESTOS CONTAINING EXTERIOR TANSITE



NOT TO SCALE

MEM MARSHALL ENVIRONMENTAL MANAGEMENT	**ACM LOCATIONS**	2 FIGURE
	CHEROKEE OLD TOWN HALL 119 N GRAND AVENUE CHEROKEE, OK 73728	PREPARED BY: JACOB P. KING DATE PREPARED: 03/30/2022 MEM PROJECT ID: 0051-AB-032922-JK

Photo 1: RM1- Safe Gasket

Photo 2: RM1- Safe Gasket

Photo 3: RM2- Gray Wall Mastic on East Wall

Photo 4: RM17- Safe Fireproofing

Photo 5: RM16- Safe Door Fireproofing

Photo 6: Exterior Wall Transite

1301 N Martin Luther King Ave
Oklahoma City, OK 73117
405.616.0401
mem@marshallenvironmental.com

Photo Album

Cherokee Old Town Hall
119 N.Grand Avenue
Cherokee, Oklahoma 73728

PREPARED BY: Armando Chavez

DATE: 04-07-2022

JOB NO: 0051-AB-032922-JK

Oklahoma Department of Labor

Asbestos License

This certifies that **Jacob King**
has successfully met the certification requirements under the Oklahoma Asbestos Control Act 40 O.S. § 450, et seq Abatement of Friable Asbestos [illegible] les OAC 380:50 in the following:

Inspector

Leslie Osborn
Labor Commissioner

License # : 401815

Expires : 03/09/2023

Issued : 03/09/2022

Not intended for identification purposes

Oklahoma Department of Labor

Jamie Marshall

has filed in the office of the Commissioner of Labor of the State of Oklahoma
an application for a Limited Asbestos Contractor's license for

AHERA MANAGEMENT PLANNER

Now, therefore, The Commissioner of Labor of the State of Oklahoma, by virtue of
the power vested in her by law hereby issues to the applicant license
No. OK-MP400477.

Leslie Osborn

Leslie Osborn

Commissioner of Labor

March 28, 2022

Date of Issuance

EXPIRES: March 09, 2023

Oklahoma Department of Labor

Jamie Marshall

has filed in the office of the Commissioner of Labor of the State of Oklahoma
an application for a Limited Asbestos Contractor's license for

AHERA PROJECT DESIGNER

Now, therefore, The Commissioner of Labor of the State of Oklahoma, by virtue of
the power vested in her by law hereby issues to the applicant license
No. OK-PD400478.

Leslie Osborn

Leslie Osborn

Commissioner of Labor

February 25, 2022

Date of Issuance

EXPIRES: February 18, 2023

CHEROKEE OLD TOWN HALL

119 N GRAND AVENUE
CHEROKEE, OK 73728

MAY 12, 2022

ASBESTOS-ABATEMENT PROJECT DESIGN

SERVICES PROVIDED FOR:
Oklahoma Department of Environmental Quality- Land Protection Division
Attention: Trenton Wilhelm, Environmental Specialist
707 N Robinson Avenue
Oklahoma City, OK 73102
(405) 702-5108 | Trenton.Wilhelm@deq.ok.gov

SERVICES PROVIDED BY:
Marshall Environmental Management, Incorporated
Attention: Jamie Marshall, Asbestos Abatement Project Designer
1301 N Martin Luther King Avenue
Oklahoma City, OK 73117
(405) 616-0401 | mem@marshallenvironmental.com

TABLE OF CONTENTS

CHEROKEE OLD TOWN HALL

ASBESTOS-ABATEMENT PROJECT DESIGN

SCOPE-OF-WORK

This Asbestos-Abatement Project Design has been prepared to allow for the safe and economical removal of approximately 2 floor safes and 1 safe door with asbestos-containing gaskets and fire proofing at the Cherokee Old Town Hall located at 119 N Grand Avenue in Cherokee, Oklahoma. Asbestos-abatement activities will be conducted in accordance with Oklahoma Asbestos Control (OAC) Act 380:50-13-1 Glove bag operations/cut and wrap procedures.

RESPONSIBLE PARTIES & CONSULTANTS

LICENSED ASBESTOS-ABATEMENT CONTRACTOR:

TO BE DETERMINED

LICENSED ASBESTOS-ABATEMENT PROJECT DESIGNER:

May 12, 2022

Jamie Marshall, MS, CIH | Asbestos-Abatement Project Designer
ODOL AHERA Project Designer Certification: OK-PD400478
1301 North Martin Luther King Avenue
Oklahoma City, Oklahoma 73117
(405) 616-0401 | mem@marshallenvironmental.com

Report Date

OWNER INFORMATION:

City of Cherokee
112 N Grand Avenue
Cherokee, OK 73728
(580) 596-3025

AGENCY STATEMENT

For the duration of this abatement project all local, state, and federal regulations will apply. The regulations include, but are not limited to, the OAC Act, Abatement of Friable Asbestos Materials Rules 380:50-1-1 through 380:50-29-1.

SEQUENCING OF WORK (QUANTITY, TYPE & PERCENTAGE OF ASBESTOS)

The abatement project will consist of three (3) containments with three (3) work areas. The Licensed Asbestos-Abatement Contractor shall file the notification of the intended start date based upon the schedule to be determined by the Owner. The abatement project duration is estimated to take approximately two (2) days to complete. Listed below is the location of the Regulated Asbestos-Containing Materials (RACM) to be abated; including total quantity and type of material assumed to be asbestos containing. The sequencing of the abatement work areas will be at the discretion of the abatement contractor, with approval from the owner and project design representative:

1) WORK AREA 1: ROOM 1. OAC 380:50-13-1, GLOVE BAG OPERATIONS/CUT AND WRAP PROCEDURES
    - 1 safe with gasket and fire proofing in room 1. 65% asbestos (40-60% chrysotile and 5% crocidolite).
2) WORK AREA 2: ROOM 17. OAC 380:50-13-1, GLOVE BAG OPERATIONS/CUT AND WRAP PROCEDURES
    - 1 safe with gasket and fire proofing in room 17. 65% asbestos (40-60% chrysotile and 5% crocidolite)
3) WORK AREA 3: ROOM 16. OAC 380:50-13-1 GLOVEBAG OPERATIONS/CUT AND WRAP PRCEDURES
    - 1 safe door with gasket and fire proofing in room 16. 65% asbestos (40-60% chrysotile and 5% crocidolite).

EGRESS, EMERGENCY ESCAPE ROUTES & FIRE EXTINGUISHER PLACEMENT

The abatement work area will be clearly illuminated by droplights, light stands or equivalent lighting. Emergency lights will be in place where necessary, in all areas that are not properly illuminated to assist in the identification of the exit locations. Power to the area is to be supplied by the ground-fault circuit interrupter (GFCI) power source. All work will be performed using a buddy system. Exit routes from the containment work area will be clearly marked with signs and highly visible arrows designating the exit path.

Fire extinguishers shall meet the requirements of the OAC Act 380:50-15-14. A minimum of 1 A:B:C fire extinguisher shall be provided for each 3,000-ft2 of the work area, or major fraction thereof travel distance from any point of the work area to the nearest fire. A minimum of two (2) fire extinguishers will be inside the work area. Additionally, a minimum of 1 fire extinguisher shall be placed in the clean room of the decontamination facility.

Prior to beginning the prep and abatement work, all licensed asbestos workers will be given a briefing on the emergency egress procedures by the asbestos supervisor.

DETAILS OF ASBESTOS-ABATEMENT PROJECT

Asbestos removal will be conducted in accordance with OAC Act 380:50-13-1, Glove bag operations/cut and wrap procedures. Department of Labor (ODOL) notices and State of Oklahoma Department of Environmental Quality (ODEQ) National Emission Standards for Hazardous Air Pollutants (NESHAP) notices must be filed with the appropriate agencies for this Asbestos Project Design. Copies of the notifications are to be provided to the Project Designer and Owner Representative. The Licensed Asbestos Abatement Contractor will mobilize to begin prep work based upon the notice to proceed and after coordination is confirmed with the Owner Representative. Moving of the containments will require that a written project design amendment be submitted to the ODOL. Following the completion of the project, all required project documents and waste manifests must be submitted to the ODOL provided to the Project Design Representative.

The initial job site setup shall include the establishment of GFCIs for use with all portable electric equipment, lighting and the power used by the decontamination unit equipment, high efficiency particulate air (HEPA) vacuums and negative air machines. Electrical within the containment or work areas will be locked out and tagged out prior to any workers coming within arm's reach of any energized electric or systems prior to the commencement of prep work.

The *centralized decontamination unit* that will be utilized and constructed in accordance with Subchapter 15 of the OAC Act 380:50-15-7, 15-8 and 15-12 and will be set up as soon as feasible for use in all work areas. In accordance with Subchapter 23 of the OAC Act 380:50-23-1 If the shower is not adjacent to the work area, workers shall put on a clean protective suit to walk to the shower, keeping the respirator in place. The contractor will prep all asbestos waste dumpsters in accordance with section 380:50-17-9 of the OAC Act. The following sequencing of events shall be used for each specified method:

WORK AREA 1-3; OAC 380:50-33-1, GLOVEBAG OPERATIONS/CUT AND WRAP PROCEDURES

1) The boundary of the regulated work area is to be surrounded by asbestos hazard communication warning tape.
2) Glove-bags shall be maintained under negative air pressure, when feasible, but the use of a negative pressure measuring system shall not be required. The inward bulging of the glove bag due to negative pressure inside the glove bag shall be sufficient indication of adequate pressure drop.
3) The safe and safe door will be wrapped with two layers of six-millimeter poly.
4) When prep is completed and visible negative pressure has been established, scheduling of an ODOL Prep Inspection will occur.
5) Once the Prep Inspection is approved, the contractor may begin the abatement. Only asbestos workers wearing the appropriate PPE will be allowed within the asbestos barrier tape.
6) The contractor will apply lockdown sealant. Once lockdown is dry, 3rd party clearance air monitoring may be conducted.
7) Conduct a final inspection to verify the completion of the Scope of Work with the Project Design Representative.
8) Lastly, schedule an ODOL Final Inspection.
9) Tear down any prep work and demobilize after approval by the ODOL and Project Design Representative.

AIR MONITORING REQUIREMENTS

Air monitoring samples will be collected and analyzed by a technician that is NIOSH 582e trained. The air monitoring samples will be collected in accordance with NIOSH 7400 method for the duration of the workday. Air monitoring samples will be analyzed by Phase Contrast Microscopy (PCM), in conjunction with a laboratory currently proficient with the American Industrial Hygiene Association's (AIHA's) Proficiency in Analytical Testing (PAT) Program.

PREPARATION AIR MONITORING

Pre-abatement air monitoring will not be required on this project. Should ACM become disturbed during prep activities, a minimum of 25% of the workers will be monitored..

ASBESTOS-ABATEMENT AIR MONITORING

PERSONAL AIR MONITORING

- A minimum of two or 25% (whichever is greater) of the workers will be monitored during the abatement activities. Personal monitoring is required during abatement to assure adequate respirator protection factors are applied in respirator selection.

AREA AIR MONITORING

In accordance with OAC:50-11-1-3, inside and outside air monitoring will be conducted during the asbestos abatement. Area air samples will be collected and analyzed as specified in the Air Monitoring Requirements section above. Listed below are the locations of the area samples to be collected during the asbestos abatement.

- Inside the work area
- Inside the loadout area (during load-out activities)
- Outside the Clean Room
- Outside the Containment (if adjacent area is occupied)
- Outside independent exit

CLEARANCE AIR MONITORING

A total of five (5) air samples will be collected for clearance purposes. The air samples will be collected with a minimum volume of 1,200 liters. The clearance air samples will be analyzed by PCM in conjunction with a laboratory that is currently proficient with the AIHA's PAT Program. Should clearance levels exceed the upper confidence level of 0.01-f/cc in accordance with OAC Act 380:50-11-2, the work area will be recleaned and clearance sampled will be recollected until clearance criteria is met.

SOIL SAMPLING

This project does not require the removal of any soils contaminated with RACM.

GENERALREQUIREMENTS

CODES & REGULATIONS

Wherever conflicts arise within the Project Design General Requirements or Procedures and/or among the applicable Rules and Regulations, the most stringent rules shall apply. This is subject to approval by ODOL or other authorities having jurisdiction (e.g., DEQ). If allowed by the authority with jurisdiction, a request for a variance can be submitted, provided it is acceptable to the Project Designer and Project Manager.

The Asbestos Abatement Contractor shall abide by this Project Design and the requirements, which govern friable asbestos removal in OAC Act 380:50, and require notification, worker training, and applicable transportation and disposal requirements for asbestos waste materials to include, but not limited to, the following:

- 29 CFR 1910, OSHA General Industry Standards
- 29 CFR 1926, OSHA Construction Industry Standard
- 29 CFR 1926, 1101 OSHA Asbestos Construction Standard
- 40 CFR 61, Subpart M (NESHAP) enforced by ODEQ
- ANSI Z88.2 latest edition (Respiratory Protection)
- Oklahoma Asbestos Control Act Title 40 Sections 450-456
- OAC 380:50 (All-inclusive), Oklahoma Rules for Abatement of Friable Asbestos Materials
- The Asbestos Hazard Emergency Response Act (AHERA) of 9186 PL (99-519) and rules and regulations adopted by EPA for its implementation, latest edition.
- 49 CFR (USDOT) Hazardous Material Transportation Regulations
- OAC 252:100-40, Air Pollution Control Rules, Control of Emission of Friable Asbestos during Demolition and Renovation Operations (replaces OAC 252:100-41-16)
- OAC 252:515-19, Management of Solid Wastes (DEQ Asbestos Land Protection Division Asbestos Disposal Requirements)
- All Applicable State Statutes, County and City Codes/Ordinances

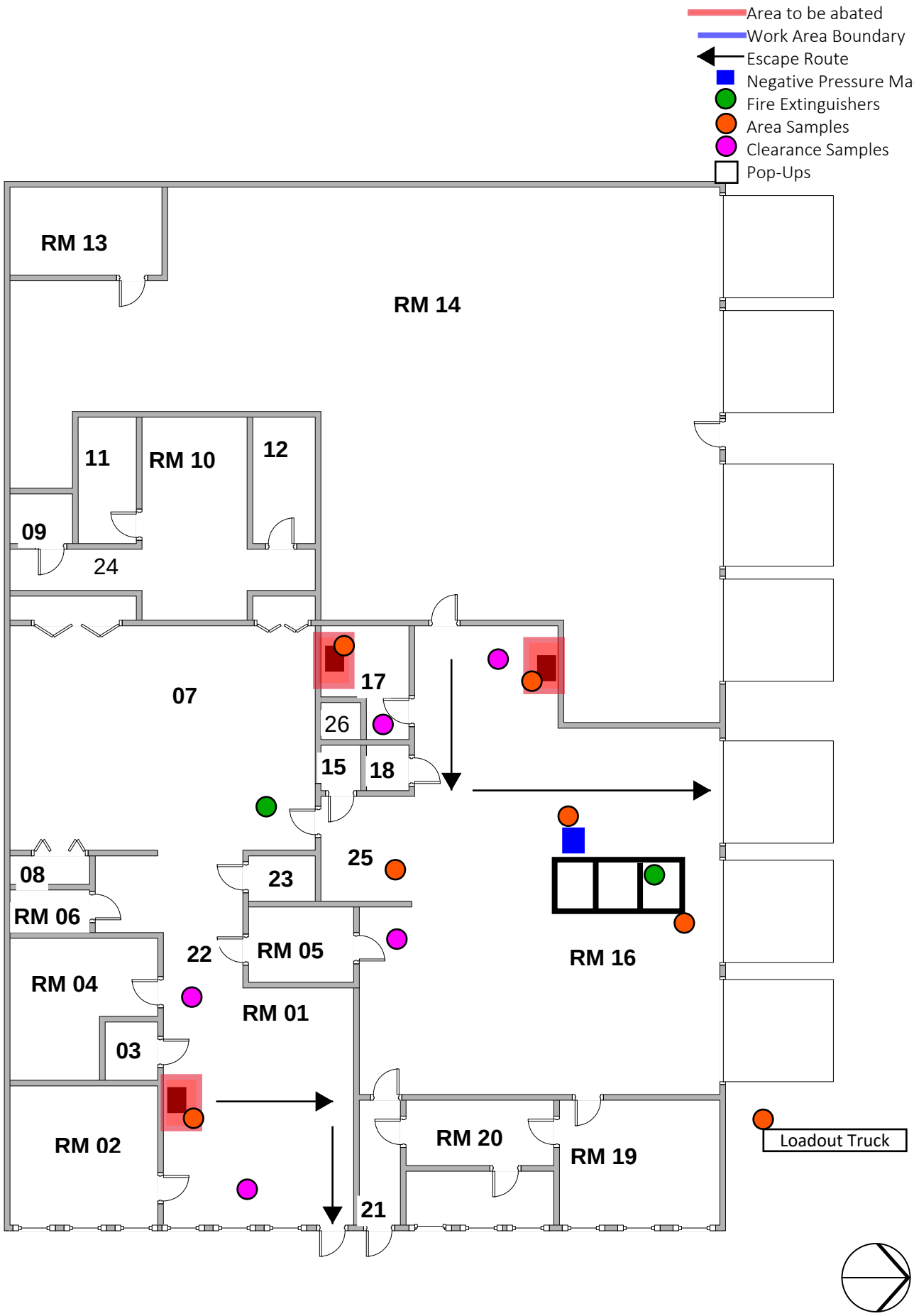
REQUEST FOR VARIANCES

No variances

APPENDIX

CONTAINMENT DIAGRAM

CERTIFICATION | LICENSURE



NOT TO SCALE

MEM MARSHALL ENVIRONMENTAL MANAGEMENT	**ACM LOCATIONS**	2 FIGURE
	CHEROKEE OLD TOWN HALL 119 N GRAND AVENUE CHEROKEE, OK 73728	PREPARED BY: JACOB P. KING DATE PREPARED: 03/30/2022 MEM PROJECT ID: 0051-AB-032922-JK

Oklahoma Department of Labor

Jamie Marshall

has filed in the office of the Commissioner of Labor of the State of Oklahoma
an application for a Limited Asbestos Contractor's license for

AHERA PROJECT DESIGNER

Now, therefore, The Commissioner of Labor of the State of Oklahoma, by virtue of
the power vested in her by law hereby issues to the applicant license
No. OK-PD400478.

Leslie Osborn

Leslie Osborn

Commissioner of Labor

February 25, 2022

Date of Issuance

EXPIRES: February 18, 2023

Scope of Work

STATEMENT OF WORK
For
Remediation of Lead and Asbestos Contamination at
The Former Cherokee City Hall

The Oklahoma Department of Environmental Quality (DEQ) is requesting a work plan and cost estimate for remediation services at the Former City Hall located in Cherokee, Oklahoma. This statement of work (SOW) describes removal and proper disposal of asbestos-containing material (ACM), lead-based paint and lead dust. This work shall be performed to provide for safe re-use of the facility. The site assessments and project design are attached (**Attachments 1, 2 & 3**).

The building is located at 119 N Grand Ave, Cherokee, Oklahoma 73728. The building will have available water and electricity to use during remediation.

SPECIAL PROVISIONS:

1. Work Schedule: The contractor shall schedule all work to be completed within 30 calendar days after date of the written "Notice to Proceed." Coordination of work shall be scheduled with DEQ.
    a. A pre-construction meeting shall be held at the site after the Notice to Proceed date to review Statement of Work and answer any questions the contractor may have.
    b. All on-site work shall be completed by the contractor five (5) days prior to the scheduled contract completion date, with the remaining five (5) days utilized for final inspection and correction of all deficiencies.

2. Conditions of Work: The following conditions of work will apply in accomplishment of this contract:
    a. All work shall be performed in accordance with all applicable State and Federal regulations.
    b. Contractor shall not cause damage to building structures, property, walls, and fixtures during remediation/abatement process. If damage is caused to these items, contractor is responsible for repairing the damage at no cost to DEQ.
    c. Coordination of work areas shall be scheduled with DEQ.
    d. All work shall be performed in such a manner that it does not put workers' health and safety at risk. Contractor shall develop and maintain a Health and Safety Plan (HASP) and follow all applicable OSHA and ODOL safety regulations.
    e. Disposal of Removed Materials: All materials removed by the Contractor under this contract shall be disposed of in accordance with State and Federal regulations. DEQ will sign as generator, if necessary.

CONTRACTOR SHALL:

- Follow all appropriate OSHA requirements

Submit With Bid:

- Copy of ODOL Asbestos Abatement Contractor License

Submit After Notice to Proceed:

- A Work Plan with planned activities and schedule to DEQ for approval

SEQUENCE OF EVENTS:

1. The asbestos abatement shall be completed;
2. DEQ shall be contacted to confirm all ACM has been appropriately removed and ODOL shall be contacted to perform inspection;
3. The lead-based paint abatement shall be completed;
4. The lead dust abatement shall be completed.

ASBESTOS ABATEMENT INSTRUCTIONS

- Non-friable and/or non-regulated Asbestos Containing Material (ACM) shall be removed as described in the instructions listed below. For more details see the attached Former Asbestos Inspection Report with floor plan map showing locations of non-friable ACM (**Attachment 1**).
    - Remove wall mastic from behind non-ACM wood panel as seen in **Attachment 1**.
        - Approximately 720 ft^2 of mastic shall be removed.
    - Remove exterior transite panels as seen in **Attachment 1**.
        - Approximately 528 ft^2 of transite shall be removed.

- Friable asbestos shall be removed as described in the attached approved asbestos Project Design (**Attachment 2**).
    - Remove and properly dispose of asbestos containing safe gaskets and fireproofing located in safes. See the Project Design provided.
        - A total of 2 safes shall be removed.

- Once Asbestos Abatement is complete, ODOL shall be contacted to perform final inspection and DEQ shall be contacted to confirm abatement has been appropriately performed.

LEAD-BASED PAINT ABATEMENT INSTRUCTIONS

See Lead-Based Paint Inspection Report
for details **(Attachment 3)**

Non-Friction and Non-Impact Surfaces

- All items listed below shall be wet scraped, painted with a neutral-colored primer, and encapsulated with DEQ approved elastomeric encapsulant. A list of DEQ approved elastomeric encapsulants is attached (**Attachment 4**). Encapsulant shall be a minimum of 20 milimeters thick. The Lead-Based Paint and Settled Dust Sampling Report with floor plan maps detailing the locations of the lead-based paint is attached for review (**Attachment 3**);
    - Approximately 9600 ft^2 of walls and ceilings throughout the building
    - Approximately 1000 ft^2 of exterior walls
    - Approximately 32 linear feet of baseboards in room 18
    - Approximately 116 linear feet of angle iron on side D of the exterior
    - Approximately 300 linear feet of parking stripes in room 16 and the exterior
    - Trim of one interior window in room 17
- Deteriorated paint removed from building surface will be properly disposed of.

Friction and Impact Surfaces

- 5 doors and components with locations listed in **Attachment 3** are contaminated with lead-based paint.
    - Doors and door frames in Rooms 4 and 26 are metal and will be left in place.
        - Remove all paint from original door frame, repaint with a neutral-colored primer, and repaint the frame the proper color.
        - Remove all paint from Impact Surface of Door. Entire door shall be wet scraped, painted with a neutral-colored primer, encapsulated, and re-painted the proper color. If door hinges are painted, remove paint from hinges, repaint with a neutral-colored primer, and repaint the hinge the proper color.
    - Doors and door frames in Rooms 17, 18 and 27 are wooden. Doors will be removed and replaced according to Door Specifications (**Attachment 5**). Remove all paint from original door frame and repaint with a neutral-colored primer.
        - All removed doors shall be wrapped in 6 mil poly sheeting and properly disposed.
        - Doors will be replaced with UL listed 90-minute standard metal doors.
        - Doors will be replaced with non-galvannealed, 18 gage, honeycomb core insulated doors.
        - Continuous Geared Door Hinges: As manufactured by Pemko or approved equal – Satin Nickel – Half Surface Safety Hinges: Standard (Specifications Attached).
        - Knob: As manufactured by Schlage or approved equal – A Series “Orbit”, 626 finish, function A10S (Specification Attached).
        - Provide sealant (caulking) per 07920 specifications attached.
        - Contractor must submit product data for approval if different from doors or door frames in bid package.

- Replacement doors must meet all compliance and fire rating requirements in the attached specifications.

Clearance Inspection

- DEQ to perform a visual inspection to confirm lead-based paint has been removed appropriately before surfaces are painted or sealed.
- Once lead-based paint abatement is complete and after room floors are cleaned, contact DEQ before having post abatement clearance sampling in those areas performed.
    - If samples do not meet EPA and HUD standards for lead dust (10ug/SF for floors), areas will need to be re-cleaned and re-sampled;

Sampling and Disposal

- DEQ assumes that all lead-based paint chips removed from surfaces are considered hazardous waste. Lead-based paint removed from surfaces shall be disposed of as appropriate.
    - If Contractor uses a paint stripper that exhibits a characteristic of hazardous waste, or contains hazardous waste constituents, it is the contractor's responsibility to characterize this waste under 40 CFR 262.11 and if it is determined to be hazardous waste, disposing of them as such. The Final Report shall contain all relevant information regarding the waste determination.
    - A completed and signed waste manifest, Land Disposal Notification Form, Certificate of Disposal, or any other forms demonstrating that the paint chips were properly disposed of must be included in the Final Report.

LEAD DUST REMEDIATION INSTRUCTIONS

See Lead Dust Survey Report
for details (**Attachment 3**)

REMAINING BUILDING:

Lead Dust Remediation

- Surfaces above the floors such as walls, shelves, etc. may have accumulated dust that has settled. This accumulation shall be removed prior to the cleaning of the floors. This shall be done to prevent recontamination of the floors after they are cleaned.
- Coordination and scheduling with the city will be required dealing with the temporary removal of the theater pews.
- All floors of the entire building shall require lead dust remediation;
    - Remove dust from all equipment, shelving, trash, etc, and remove these items from room before remediation begins;
    - Remove all carpet;
    - Dispose any materials, determined by the DEQ to be trash, as non-hazardous waste;
    - HEPA vacuum and wet wash floors of entire building;
        - Lead levels on the floor are high in many areas of the building and lead contaminated dust may be ground into the pores and cracks of the concrete. It may be necessary to clean floors several times or use alternate cleaning methods after HEPA vacuuming and wet washing to remove the lead dust

from the concrete and get the lead levels down to 10 micrograms per square foot (ug/SF).
    - Contact DEQ and/ or DEQ consultant to perform post remediation wipe sampling to confirm that room floors with lead contamination have been appropriately remediated to 10 micrograms per square foot (ug/SF).
    - Areas above 10 ug/SF shall be re-cleaned and re-tested until results are at or below 10 ug/SF;

Disposal of Materials

Hazardous Waste

- Wash water filters shall be disposed of as hazardous waste;

Other

- Lead dust and appropriate cleaning materials from cleaning of rooms shall be disposed of as appropriate.
- Wash Water Disposal
    - All wash water from the building shall be filtered through a 1-micron filter and stored on site in containers;
    - The wash water will be sampled for total lead and total phosphorus; Total lead shall be run by ICP and total phosphorus shall be run by EPA Method 365.3;
    - Wash water shall be disposed of appropriately.
    - Sample results and disposal documentation shall be submitted to DEQ
- Poly sheeting shall be disposed of as appropriate. If contractor plans to dispose of as non-hazardous waste, best management practices such as vacuuming, washing, wiping down, or cleaning poly sheeting prior to disposal shall be implemented.
- Mop heads, towels, brushes, wipes, and other cleaning supplies shall be sampled and disposed of as appropriate.
- Personal protective equipment (gloves, Tyvek, face masks, etc.) shall be disposed of as appropriate.

Confirmation and Clearance Sampling

- Contractor should use his own lab to check progress of remediation, however all DEQ decisions shall be based on analytical data from samples taken by DEQ or DEQ consultant.
- <u>The third-party sampling shall not be included in the contractors base bid;</u>
- All post remediation sampling done will be performed after all initial abatement, remediation, and cleaning are complete.
- The chart below summarizes the clearance numbers for the building. All lead wipe samples shall be at or below these numbers in order for these areas to be considered clean.

Post Remediation	**Post Sealant**	**Room Floors**
100 ug/SF	**10 ug/SF**	**10 ug/SF**

FINAL REPORT

- Write final report and submit to DEQ;

- Final report shall include:
    - A detailed summary of work including any warranties and data;
    - Copy of post remediation sampling report;
    - Waste manifests (if any); and
    - Photo documentation of work
        - Photo documentation of work will have color digital photos with captions describing photo;

- Final report will be submitted electronically.

OWNER REPRESTATIVE:

Trenton Wilhelm
Oklahoma Department of Environmental Quality
Land Protection Division
707 N. Robinson
P.O. Box 1677
Oklahoma City, OK 73101-1677

Contact:
(405) 702-5108 (Office)
(405) 702-5101 (Fax)
trenton.wilhelm@deq.ok.gov

ATTACHMENT 1

Former Cherokee City Hall Asbestos Inspection Report

ATTACHMENT 2

Former Cherokee City Hall Asbestos Abatement Project
Design and ODOL Approval

ATTACHMENT 3

Former Cherokee City Hall Lead Inspection Report

ATTACHMENT 4

List of DEQ approved Elastomeric Encapsulants

Lead-Based Paint Encapsulants approved by DEQ

Encapsulant Manufacturer	Encapsulant Product(s)
Coronado Paint Company	LEAD BLOCK™
Dumond Chemicals	LEAD STOP™
Dynacraft Industries, Inc.	Back to Nature Protect-A-Coat
Encap Systems Corporation	EncapSeal™ I
Encap Systems Corporation	EncapSeal™ II
Fiberlock Technologies, Inc.	Child GUARD interior/exterior
Fiberlock Technologies, Inc.	L-B-C® Type III
Global Encasement, Inc.	LeadLock™
Grace Construction Products	Lead Seal®
Grace Construction Products	Barrier Coat® II
Insl-x Products Corporation	INSL-CAP™
SAFE Encasement Systems	SE-120 Protective Skin
Specification Chemicals, Inc.	NU-WAL® #2500 Coating

ATTACHMENT 5

Door Specifications

SECTION 07920 - JOINT SEALANTS

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes joint sealants for the following applications**:**

1. Exterior joints in the following vertical surfaces and horizontal nontraffic surfaces:

    a. Control and expansion joints in unit masonry.
    b. Joints in dimension stone cladding.
    c. Joints between metal panels.
    d. Joints between different materials listed above.
    e. Perimeter joints between materials listed above and frames of doors, windows and louvers.
    f. Control and expansion joints in ceilings and other overhead surfaces.

2. Exterior joints in the following horizontal traffic surfaces:

    a. Joints in stone paving units.
    b. Tile control and expansion joints.
    c. Joints between different materials listed above.

3. Interior joints in the following vertical surfaces and horizontal nontraffic surfaces:

    a. Control and expansion joints on exposed interior surfaces of exterior walls.
    b. Tile control and expansion joints.
    c. Vertical joints on exposed surfaces of walls and partitions.
    d. Perimeter joints between interior wall surfaces and frames of interior doors windows and elevator entrances.
    e. Joints between plumbing fixtures and adjoining walls, floors, and counters.

4. Interior joints in the following horizontal traffic surfaces:

    a. Control and expansion joints in tile flooring.

1.2 PERFORMANCE REQUIREMENTS

A. Provide elastomeric joint sealants that establish and maintain watertight and airtight continuous joint seals without staining or deteriorating joint substrates.

B. Provide joint sealants for interior applications that establish and maintain airtight and water-resistant continuous joint seals without staining or deteriorating joint substrates.

C. If LEED credit 4.1 is pursued by contractor for adhesive and sealant applications that are inside the weatherproofing system, provide sealants compliant with the Section 1 - Sustainable Design

Requirements limits for VOC content when calculated according to 40 CFR 59, Subpart D (EPA Method 24)

1.3 SUBMITTALS

A. Product Data: For each joint-sealant product indicated.

B. Samples for Verification: For each type and color of joint sealant required, provide Samples with joint sealants in 13-mm (1/2-inch) wide joints formed between two 150-mm (6-inch) long strips of material matching the appearance of exposed surfaces adjacent to joint sealants.

C. LEED Submittals:

1. Credit EQ 4.1: Manufacturers' product data for interior sealants, including printed statement of VOC content.

D. Product Certificates: For each type of joint sealant and accessory, signed by product manufacturer.

E. SWRI Validation Certificate: For each elastomeric sealant specified to be validated by SWRI's Sealant Validation Program.

F. Qualification Data: For Installer and testing agency.

G. Preconstruction Field Test Reports: Indicate which sealants and joint preparation methods resulted in optimum adhesion to joint substrates based on preconstruction testing specified in "Quality Assurance" Article.

H. Compatibility and Adhesion Test Reports: From sealant manufacturer, indicating the following:

1. Materials forming joint substrates and joint-sealant backings have been tested for compatibility and adhesion with joint sealants.
2. Interpretation of test results and written recommendations for primers and substrate preparation needed for adhesion.

I. Field Test Report Log: For each elastomeric sealant application.

J. Product Test Reports: Based on comprehensive testing of product formulations performed by a qualified testing agency, indicating that sealants comply with requirements.

1.4 QUALITY ASSURANCE

A. Preconstruction Compatibility and Adhesion Testing: Submit samples of materials that will contact or affect joint sealants to joint-sealant manufacturers for testing according to ASTM C 1087 to determine whether priming and other specific joint preparation techniques are required to obtain rapid, optimum adhesion of joint sealants to joint substrates.

B. Preconstruction Field-Adhesion Testing: Before installing elastomeric sealants, field test their adhesion to Project joint substrates according to the method in ASTM C 1193 that is appropriate for the types of Project joints.

PART 2 - PRODUCTS

2.1 MATERIALS, GENERAL

A. Compatibility: Provide joint sealants, backings, and other related materials that are compatible with one another and with joint substrates under conditions of service and application, as demonstrated by sealant manufacturer, based on testing and field experience.

B. Colors of Exposed Joint Sealants: As indicated.

2.2 ELASTOMERIC JOINT SEALANTS

A. Elastomeric Sealants: Comply with ASTM C 920 and other requirements indicated for each liquid-applied chemically curing sealant specified, including those referencing ASTM C 920 classifications for type, grade, class, and uses related to exposure and joint substrates.

B. Stain-Test-Response Characteristics: Where elastomeric sealants are specified to be nonstaining to porous substrates, provide products that have undergone testing according to ASTM C 1248 and have not stained porous joint substrates indicated for Project.

C. Suitability for Immersion in Liquids. Where elastomeric sealants are indicated for Use I for joints that will be continuously immersed in liquids, provide products that have undergone testing according to ASTM C 1247 and qualify for the length of exposure indicated by reference to ASTM C 920 for Class 1 or 2. Liquid used for testing sealants is deionized water, unless otherwise indicated.

D. Suitability for Contact with Food: Where elastomeric sealants are indicated for joints that will come in repeated contact with food, provide products that comply with 21 CFR 177.2600.

E. Single-Component Nonsag Polysulfide Sealant :

1. Type and Grade: S (single component) and NS (nonsag).
2. Class: 25.
3. Use Related to Exposure: NT (nontraffic).
4. Uses Related to Joint Substrates: M, G, A, and, as applicable to joint substrates indicated, O.

F. Multicomponent Nonsag Neutral-Curing Silicone Sealant :

1. Type and Grade: M (multicomponent) and P (pourable).
2. Class: 50.
3. Use Related to Exposure: NT (nontraffic).
4. Uses Related to Joint Substrates: M, G, A, and, as applicable to joint substrates indicated, O.

G. Single-Component Pourable Neutral-Curing Silicone Sealant :

1. Type and Grade: S (single component) and P (pourable).
2. Class: 100/50.
3. Uses Related to Exposure: NT and T (traffic**)**.
4. Uses Related to Joint Substrates: M A and O, as applicable to joint substrates indicated.

H. Single-Component Neutral- and Basic-Curing Silicone Sealant:

1. Type and Grade: S (single component) and NS (nonsag).
2. Class: 100/50.
3. Use Related to Exposure: NT (nontraffic).
4. Uses Related to Joint Substrates: M, G, A, and, as applicable to joint substrates indicated, O.
5. Stain-Test-Response Characteristics: Nonstaining to porous substrates per ASTM C 1248.

I. Single-Component Neutral-Curing Silicone Sealant :

1. Type and Grade: S (single component) and NS (nonsag).
2. Class: 25.
3. Use Related to Exposure: NT (nontraffic).
4. Uses Related to Joint Substrates: M**,** G, A, and, as applicable to joint substrates indicated, O.

J. Single-Component Mildew-Resistant Neutral-Curing Silicone Sealant :

1. Type and Grade: S (single component) and NS (nonsag).
2. Class: 25.
3. Use Related to Exposure: NT (nontraffic).
4. Uses Related to Joint Substrates: M, G, A, and, as applicable to joint substrates indicated, O.

K. Single-Component Nonsag Urethane Sealant :

1. Type and Grade: S (single component) and NS (nonsag).
2. Class: 50.
3. Use Related to Exposure: NT (nontraffic).
4. Uses Related to Joint Substrates: M, A, and, as applicable to joint substrates indicated, O.

2.3 SOLVENT-RELEASE JOINT SEALANTS

A. Acrylic-Based Solvent-Release Joint Sealant : Comply with ASTM C 1311 or FS TT-S-00230.

B. Butyl-Rubber-Based Solvent-Release Joint Sealant: Comply with ASTM C 1085.

C. Pigmented Narrow-Joint Sealant: Manufacturer's standard, solvent-release-curing, pigmented, synthetic-rubber sealant complying with AAMA 803.3 and formulated for sealing joints 5 mm or smaller in width.

2.4 LATEX JOINT SEALANTS

A. Latex Sealant : Comply with ASTM C 834, Type P, Grade NF.

2.5 ACOUSTICAL JOINT SEALANTS

A. Acoustical Sealant for Exposed and Concealed Joints: Manufacturer's standard nonsag, paintable, nonstaining latex sealant complying with ASTM C 834 that effectively reduces airborne sound transmission through perimeter joints and openings in building construction as demonstrated by testing representative assemblies according to ASTM E 90.

B. Acoustical Sealant for Concealed Joints: Manufacturer's standard, nondrying, nonhardening, nonskinning, nonstaining, gunnable, synthetic-rubber sealant recommended for sealing interior concealed joints to reduce airborne sound transmission.

2.6 JOINT-SEALANT BACKING

A. General: Provide sealant backings of material and type that are nonstaining; are compatible with joint substrates, sealants, primers, and other joint fillers; and are approved for applications indicated by sealant manufacturer based on field experience and laboratory testing.

B. Cylindrical Sealant Backings: ASTM C 1330, Type C (closed-cell material with a surface skin) O (open-cell material), B (bicellular material with a surface skin), and of size and density to control sealant depth and otherwise contribute to producing optimum sealant performance:

C. Elastomeric Tubing Sealant Backings: Neoprene, butyl, EPDM, or silicone tubing complying with ASTM D 1056, nonabsorbent to water and gas, and capable of remaining resilient at temperatures down to minus 32 deg C. Provide products with low compression set and of size and shape to provide a secondary seal, to control sealant depth, and to otherwise contribute to optimum sealant performance.

D. Bond-Breaker Tape: Polyethylene tape or other plastic tape recommended by sealant manufacturer for preventing sealant from adhering to rigid, inflexible joint-filler materials or joint surfaces at back of joint where such adhesion would result in sealant failure. Provide self-adhesive tape where applicable.

2.7 MISCELLANEOUS MATERIALS

A. Primer: Material recommended by joint-sealant manufacturer where required for adhesion of sealant to joint substrates indicated, as determined from preconstruction joint-sealant-substrate tests and field tests.

B. Cleaners for Nonporous Surfaces: Chemical cleaners acceptable to manufacturers of sealants and sealant backing materials, free of oily residues or other substances capable of staining or harming joint substrates and adjacent nonporous surfaces in any way, and formulated to promote optimum adhesion of sealants to joint substrates.

C. Masking Tape: Nonstaining, nonabsorbent material compatible with joint sealants and surfaces adjacent to joints.

PART 3 - EXECUTION

3.1 PREPARATION

A. Surface Cleaning of Joints: Clean out joints immediately before installing joint sealants.

1. Remove all foreign material from joint substrates that could interfere with adhesion of joint sealant.

a. Clean porous joint substrate surfaces by brushing, grinding, blast cleaning, mechanical abrading, or a combination of these methods to produce a clean, sound substrate capable of developing optimum bond with joint sealants. Remove loose particles remaining after cleaning operations above by vacuuming or blowing out joints with oil-free compressed air.

2. Remove laitance and form-release agents from concrete.

a. Clean nonporous surfaces with chemical cleaners or other means that do not stain, harm substrates, or leave residues capable of interfering with adhesion of joint sealants.

B. Joint Priming: Prime joint substrates**,** where recommended in writing by joint-sealant manufacturer, based on preconstruction joint-sealant-substrate tests or prior experience. Apply primer to comply with joint-sealant manufacturer's written instructions. Confine primers to areas of joint-sealant bond; do not allow spillage or migration onto adjoining surfaces.

C. Masking Tape: Use masking tape where required to prevent contact of sealant with adjoining surfaces that otherwise would be permanently stained or damaged by such contact or by cleaning methods required to remove sealant smears. Remove tape immediately after tooling without disturbing joint seal.

3.2 INSTALLATION

A. Sealant Installation Standard: Comply with recommendations in ASTM C 1193 for use of joint sealants as applicable to materials, applications, and conditions indicated.

B. Acoustical Sealant Application Standard: Comply with recommendations in ASTM C 919 for use of joint sealants in acoustical applications as applicable to materials, applications, and conditions indicated.

C. Install sealant backings of type indicated to support sealants during application and at position required to produce cross-sectional shapes and depths of installed sealants relative to joint widths that allow optimum sealant movement capability.

1. Do not leave gaps between ends of sealant backings.

2. Do not stretch, twist, puncture, or tear sealant backings.
3. Remove absorbent sealant backings that have become wet before sealant application and replace them with dry materials.

D. Install bond-breaker tape behind sealants where sealant backings are not used between sealants and backs of joints.

E. Install sealants using proven techniques that comply with the following and at the same time backings are installed:

1. Place sealants so they directly contact and fully wet joint substrates.
2. Completely fill recesses in each joint configuration.
3. Produce uniform, cross-sectional shapes and depths relative to joint widths that allow optimum sealant movement capability.

F. Tooling of Nonsag Sealants: Immediately after sealant application and before skinning or curing begins, tool sealants according to requirements specified below to form smooth, uniform beads of configuration indicated; to eliminate air pockets; and to ensure contact and adhesion of sealant with sides of joint.

1. Remove excess sealant from surfaces adjacent to joints.
2. Use tooling agents that are approved in writing by sealant manufacturer and that do not discolor sealants or adjacent surfaces.
3. Provide concave joint configuration per Figure 5A in ASTM C 1193, unless otherwise indicated.

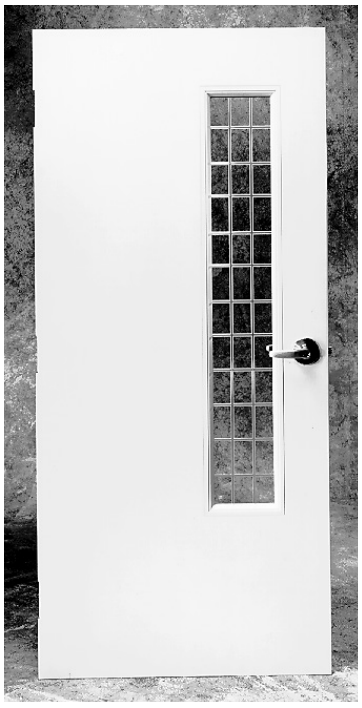
G. Installation of Preformed Silicone-Sealant System: Comply with manufacturer's written instructions.

H. Installation of Preformed Foam Sealants: Install each length of sealant immediately after removing protective wrapping, taking care not to pull or stretch material, producing seal continuity at ends, turns, and intersections of joints. For applications at low ambient temperatures where expansion of sealant requires acceleration to produce seal, apply heat to sealant in compliance with sealant manufacturer's written instructions.

I. Clean off excess sealant or sealant smears adjacent to joints as the Work progresses by methods and with cleaning materials approved in writing by manufacturers of joint sealants and of products in which joints occur.

END OF SECTION 07920

L Series



About the product

The L20, L18, and L16 Series flush doors are designed to meet the architectural requirements for full flush doors. The L14 Series flush doors are designed to meet the architectural requirements for maximum duty full flush doors. Refer to the Architectural section for specifications and the selection and usage guide of the appropriate door constructions.

This premium door construction combines the strength and dimensional stability of steel with the structural integrity of the laminate core. The continuous bonding of core to steel face sheets provides an attractive, flat door, free of face welding marks. Tests have proven that the L Series door has high resistance to impact damage, low thermal conductivity and high STC ratings.

To meet application, specification and performance requirements, the L Series door offers a wide range of specifiable options including sizes, glass light designs and hardware (mechanical, pneumatic, electrical) preparations.

L Series doors are 1 ¾" (45 mm) thick.

Installation

1. Installation shall conform to the published Steelcraft installation instructions, ANSI A250.11-2012 (formerly SDI 105) *Recommended Erection Instructions for Steel Frames and HMMA 840s*.
2. Fire Rated Assemblies must be in accordance with NFPA Pamphlet 80. The *Authority Having Jurisdiction* is the final authority on issues related to the installation and use of installed Fire Rated Doors.

Features and benefits

Steelcraft's L Series doors offer the following standard unique features, which enhance long term performance and durability:

1. **Core Systems** that enhance the structural integrity of the door:
   - **Honeycomb (standard):** 1" (25 mm) cell kraft honeycomb configuration that increases structural integrity while reducing overall weight
   - **Polystyrene (optional):** enhanced thermal performance
   - **Polyurethane (optional):** extreme thermal performance
2. **Full Height, Epoxy Filled Mechanical Interlock Edges** provide structural support and stability the full height of the door edges. Available edge options:
   - **Visible Edge Seam (standard):** full height, epoxy filled mechanical Interlocked edges
   - **Filled Edge Seam (optional add to standard):** seam filled with structural adhesive and dressed smooth. Includes tack welds above and below edge cutouts as required for doors over 7'2" rated over 20 min
   - **Welded Edge Seam (optional add to standard):** intermittently welded using 1" long welds, then seam filled with structural adhesive and dressed smooth. Option available on L18, L16 and L14 doors.
3. **Universal Hinge Preparations** (patented) allow for easy field conversion from standard weight .134" (3.3 mm) hinges to heavy weight .180" (4.7 mm) hinges.
4. **14 Gauge [0.067" (1.7 mm)] Inverted Top and Bottom Channels** provide stability and protection for the top and bottom edges from abuse.
5. **Beveled Hinge and Lock Edges** allow for tighter installation tolerances, ensure easier operation and eliminate binding and sticking.
6. **Recessed Dezigner™ Glass Trim** provides a clean, neat and flush finish with the door surface.
7. **Factory Applied Baked-On Rust Inhibiting Primer** paint in accordance with ANSI A250.10-2011.

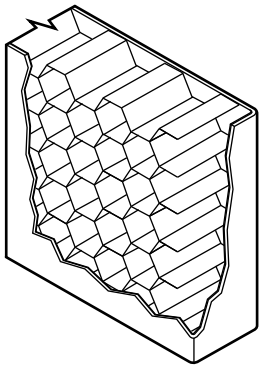
Specification compliance

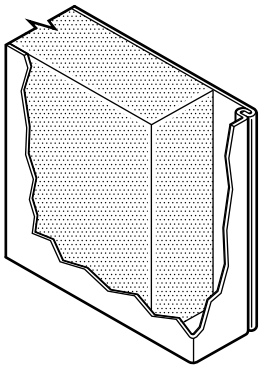
1. Door construction for Steelcraft L Series full flush doors meets the requirements of ANSI A250.8-2017 (SDI 100).
2. Hardware preparations and reinforcements are in accordance with ANSI A250.6-2003 (R2009). Locations are in accordance with ANSI/DHI A115 unless otherwise stated.

Fire ratings

L Series doors meet the broadest fire rating requirements. They are listed for installations requiring compliance to both neutral pressure testing (ASTM E152 and UL-10B) and positive pressure standards (UL-10C).

Rigid Honeycomb





Standard Laminated Honeycomb Core

- 1" (25 mm) cell, Kraft honeycomb
- Honeycomb surfaces sanded for maximum adhesion
- Phenol formaldehyde free
- Laminated to both face sheets with contact adhesive
- Assembled door is run through high pressure pinch rollers, achieving ultimate bond

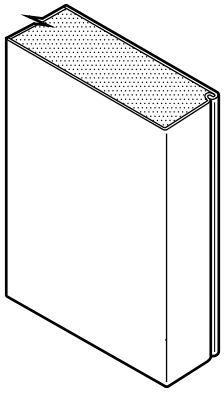
Optional cores are polystyrene or polyurethane

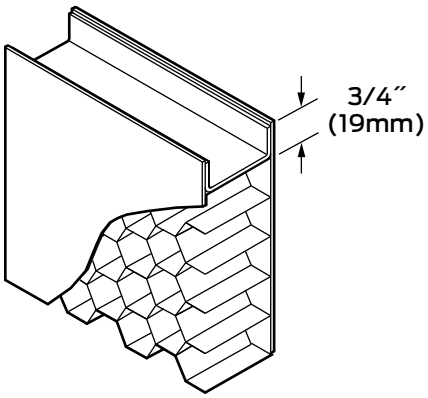
Optional Polystyrene Core

- 1 pound (453.6g) per ft^3 density slab
- Laminated to both face sheets with contact adhesive
- Labeled applications

Optional Polyurethane Core

- 1.8 pound (816.5g) per ft^3 density slab
- Laminated to both face sheets with contact adhesive
- Non-Labeled applications





Standard Premium Edge Construction

- Beveled hinge & lock edges
- Full height mechanical interlock with epoxy adhesive
- Visible edge seam standard
- Seamless edge optional

Standard Rigid 14 Gauge End Channel Construction

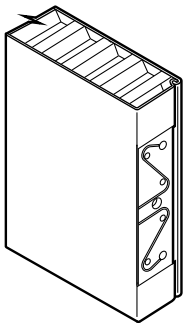
- 14 gauge inverted galvannealed top & bottom channels
- Projection welded to both face sheets
- For optional caps, see "Weather seals" on page 151.

Door application and usage

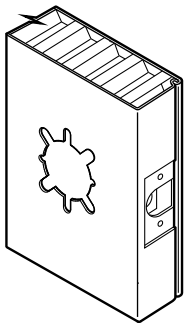
Series	Steel Thickness	Opening	Usage Frequency
L20	20 Ga (0.8 mm)	Interior - Cold Rolled Steel	Standard Duty
L20	20 Ga (0.8 mm)	Exterior - Galvannealed Steel	Light Commercial applications with minimal use and abuse
L18	18 Ga (1.0 mm)	Interior - Cold Rolled Steel	Heavy Duty
L18	18 Ga (1.0 mm)	Exterior - Galvannealed Steel	Heavy Commercial & Institutional applications with high use
L16	16 Ga (1.3 mm)	Interior - Cold Rolled Steel	Extra Heavy Duty
L16	16 Ga (1.3 mm)	Exterior - Galvannealed Steel	Extra Heavy Commercial applications with potential of very high use
L14	14 Ga (1.7 mm)	Interior - Cold Rolled Steel	Maximum Duty
L14	14 Ga (1.7 mm)	Exterior - Galvannealed Steel	Extra Heavy Commercial applications with extremely high use

Standard hardware preparations

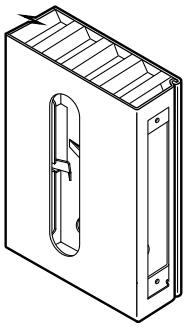
Typical hardware applications shown. Refer to "Hardware" section for more details.



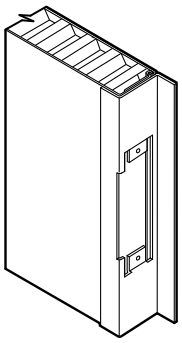
Universal Mortise Hinge Prep
7 Gauge Universal hinge reinforcement



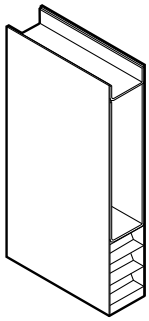
61L Lock



86 Lock



Inactive Leaf ASA Strike Prep with Astragal attached



Optional 14 Gauge Closer Reinforcement

Standard: mortised and reinforced for:

- Patented Universal hinge preparations allow for easy field conversion from standard 4 ½" (114 mm) x .134" (3.3 mm) standard weight hinges to 4 ½" (114 mm) x .180" (4.7 mm) heavy weight hinges. Optional hinge preparation for 5" (127 mm) x .146" (3.7 mm) standard weight hinges or for 5" (127 mm) x .190" (4.8 mm) heavy weight hinges is also available.
- A multitude of standard lock preparations are available. The cylindrical 161, 61L and mortise 86 lock preps are the most commonly used active leaf preparations. The 4 ⅞ (124 mm) strike prep is the most commonly used inactive leaf preparation.
- Optional reinforcements for surface and concealed Closers are available.
- Special hardware applications are available.

Door Sizes and ANSI A250.8 Conversions

Steelcraft product selection for L Series doors has been matched to ANSI/SDI Level and Model designations.

- In accordance with ANSI A250.8-2017 (SDI 100), core material is not specific to the level or model designations. Core material selection is specified based on preference and application.
- Recommended minimum frame gauge also applies to the frequency of operation of the opening.

Series	ANSI A250.8 - SDI 100			Edge Construction	Edge Maximum Sizes		Recommended Gauge of Frame
	Level	Model	Description		Single	Pair	
Level 1: Light Commercial							
L20	1	1	Full Flush	Visible	3'-0" x 8'-0" 914 mm x 2438 mm	6'-0" x 8'-0" 1829 mm x 2438 mm	18 Gauge [0.042" (1.0 mm)]
LF20		2	Seamless	Filled			16 Gauge [0.053" (1.3 mm)]
Level 2: Heavy Duty Commercial & Institutional							
L18	2	1	Full Flush	Visible	4'-0" x 10'-0" 1219 mm x 3048 mm	8'-0" x 10'-0" 2438 mm x 3048 mm	16 Gauge [0.053" (1.3 mm)]
LF18		2	Seamless	Filled			
LW18		2	Seamless	Welded			
Level 3: Extra Heavy Duty Commercial & Institutional							
L16	3	1	Full Flush	Visible	4'-0" x 10'-0" 1219 mm x 3048 mm	8'-0" x 10'-0" 2438 mm x 3048 mm	16 Gauge [0.053" (1.3 mm)]
LF16		2	Seamless	Filled			14 Gauge [0.067" (1.7 mm)]
LW16		2	Seamless	Welded			
Level 4: Maximum Duty Commercial & Institutional							
L14	4	1	Full Flush	Visible	4'-0" x 10'-0" 1219 mm x 3048 mm	8'-0" x 10'-0" 2438 mm x 3048 mm	14 Gauge [0.067" (1.7 mm)]
LF14		2	Seamless	Filled			
LW14		2	Seamless	Welded			

Door edge construction

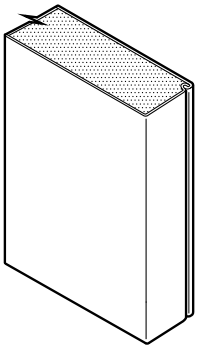
Optional Edge Seams available in the L Series doors:

- **L**: Standard feature includes visible edge seams with full height interlocked edges.
- **LF**: the mechanical edge seam is filled and dressed smooth prior to applying the factory primer.
- **LW**: the mechanical edge seam is welded and dressed smooth prior to applying the factory primer.

Standard visible edge seam

L Series visible seam features

- Full height mechanical interlock
- Interlock filled with epoxy adhesive
- Visible edge seam



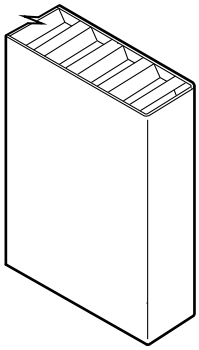
Optional seamless edge

LF Series Seam Filled Features

- Standard Visible Edge Seam is tack welded above and below edge cutouts as required for doors over 7'2" rated over 20 min
- Edge Seam is then filled with structural adhesive and dressed smooth

LW Series Seam Welded Features

- Standard Visible Edge Seam is intermittently welded using 1" long welds
- Edge Seam is then filled with structural adhesive and dressed smooth
- No visible edge seam

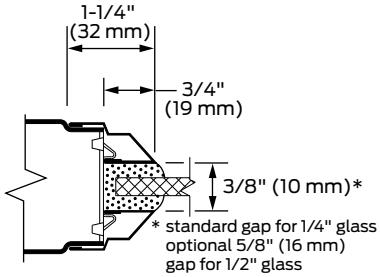


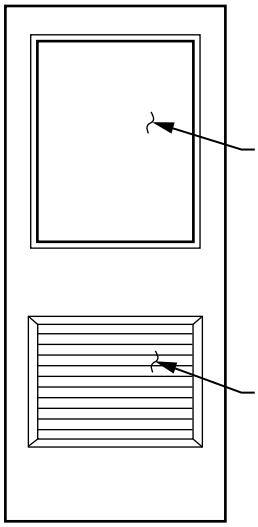
Glass light options

(Refer to the Lights and Louvers section for further details and options)

Dezigner® Trim

- Standard for ¼" Thick Glass
- Optional for ½" Thick Glass



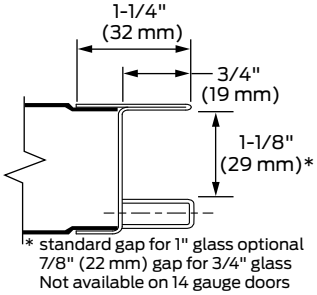


Note: Glazing type and thickness vary per job requirements.

Note: Louver size and type vary per requirements.

Flush Mounted Steel Trim

- For 1" Thick Glass



Divider Muntins Are Not Available

Silicone Seals

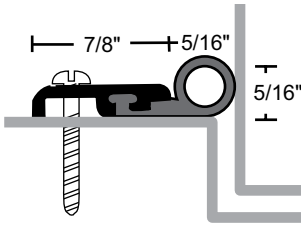
Properties:
- Synthetic rubber polymer: Siloxane
- Excellent flexibility and memory
- Flame resistant
- Moisture resistant
- Temperature range -100°F to 500°F, remains flexible at extreme temperatures
- Excellent resistance to ozone, UV and aging
- Recommended for areas using FM200 or Halon Fire Suppression Systems
- BHMA Certified to ANSI/BHMA A156.22 performance tests for Heat, Cold, Air Infiltration and Smoke Infiltration

#6 x 3/4" Stainless Steel Sheet Metal Screws furnished
Screw holes slotted for adjustment

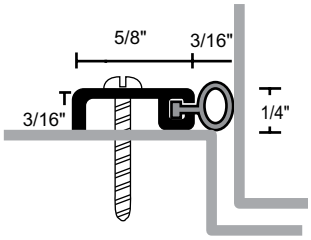
All silicone seals this section

A - anodized aluminum
B - gold
DKB - dark bronze
no suffix - mill aluminum
dense silicone is black
exception: 137 silicone is gray

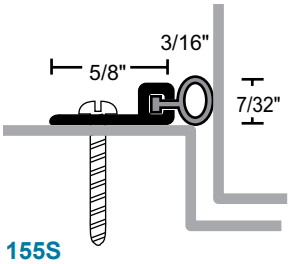
Dense Bulbs



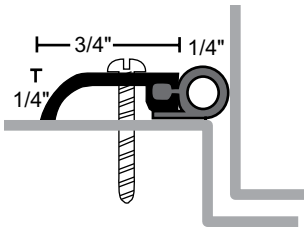
137SA
137SB
137SDKB



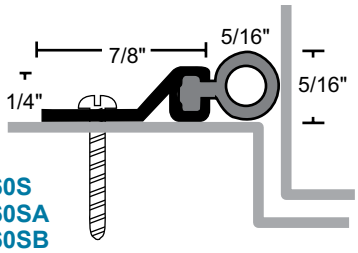
152S
152SA
152SB
152SDKB



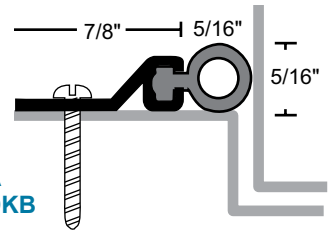
155S
155SB
155SDKB



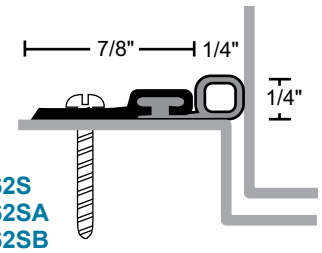
156S
156SDKB



160S
160SA
160SB
160SDKB



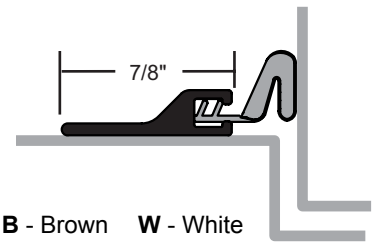
161SA
161SDKB
.07 aluminum for military specs



162S
162SA
162SB
162SDKB

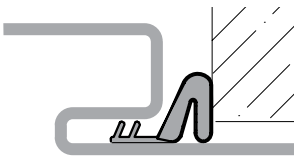
Foam Seals

Features:
- Seamless compression seals are nearly 100% closed cell to prevent water from penetrating foam cell structure
- Extruded skin provides a unique UV resistant barrier with design features that enhance the weather strip's sealing performance
- Compression: Recommended = 25% Minimum = 10% Maximum = 50%
- Achieves AAMA 702 Class “A” Extra High Performance Certification



B - Brown
384B
384BA
384BB
384BDKB

W - White
384W
384WA
384WB
384WDKB

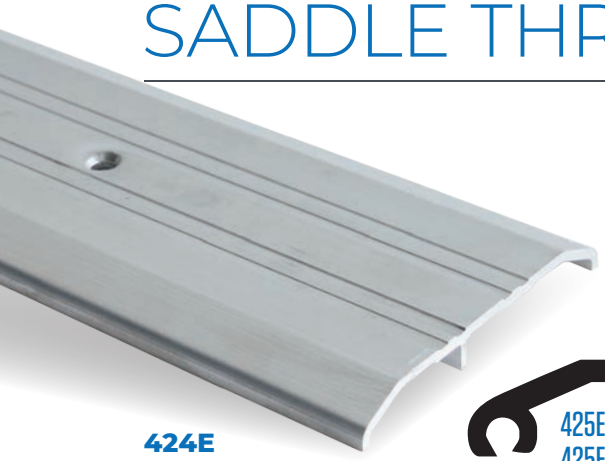


388B - Brown
388W - White

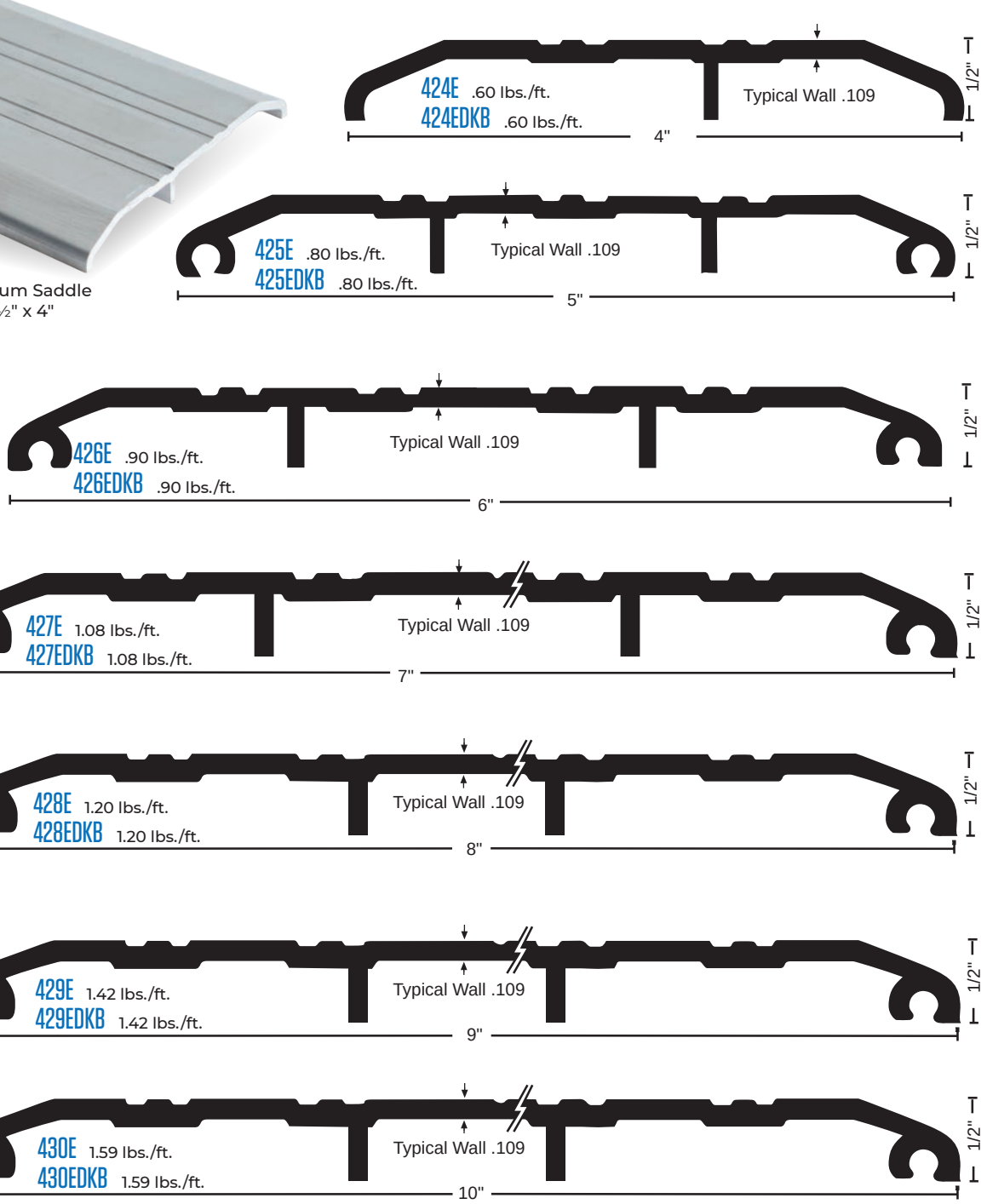
.355 kerf mount foam profile designed to fit a kerf slot with a width of .105" and minimum depth of .250.

SADDLE THRESHOLDS

All Products On This Page



424E
Mill Aluminum Saddle Threshold, ½" x 4"



MATERIALS & FINISHES
- Aluminum Mill
- DKB - Aluminum Dark Bronze

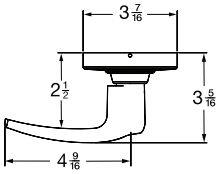
OPTIONAL:
SIA: SLIP-RESISTANT FINISH
For use in Areas Where Conditions can be Hazardous and Safety is a Priority.

FASTENERS
- #10 x 1-½" FH Zinc-Plated Wood Screws Furnished. Dark Bronze Supplied With DKB.

OPTIONAL:
VINYL FOOT SEAL
Instead Of Caulk, Use the Optional Vinyl Foot Seal to Increase the Weather Resistance of the Threshold. Specify On Order.

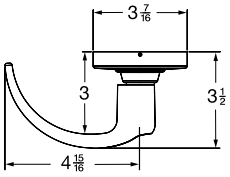
Lever designs and finishes

Athens (ATH)[2]



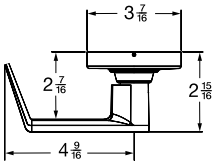
Mechanical | Wired electrified | Wireless electronic

Sparta (SPA)[1, 2]



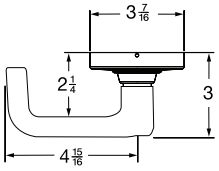
Mechanical | Wired electrified | Wireless electronic

Rhodes (RHO)[1, 2]



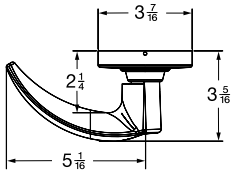
Mechanical | Wired electrified | NDE wireless electronic

Tubular (TLR)[1, 2]



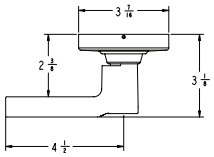
Mechanical | Wired electrified | Wireless electronic

Omega (OME)[1]



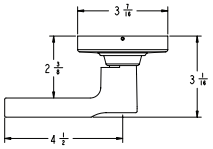
Mechanical | Wired electrified | Wireless electronic

Latitude (LAT)



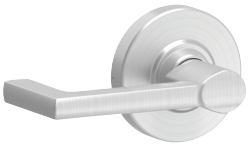
Mechanical | Wired electrified | Wireless electronic

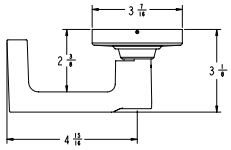
Broadway (BRW)



Mechanical | Wired electrified | Wireless electronic

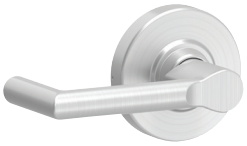
Longitude (LON)

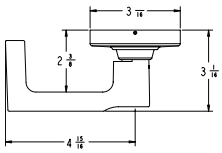




Mechanical | Wired electrified | Wireless electronic

Boardwalk (BWK)





Mechanical | Wired electrified | Wireless electronic

All levers comply with the Americans with Disabilities Act (ADA).

1 Boardwalk, Longitude, Omega, Rhodes, Sparta and Tubular levers comply with California State code for return within ½" of door face.

2 Athens, Rhodes, Sparta and Tubular levers support cylinders from other manufacturers, see cylinder section on page 24 for details.

Finish options									
Color	Bright brass	Satin brass	Satin bronze	Oil rubbed bronze	Satin nickel	Matte black	Bright chrome	Satin chrome	Aged bronze
ANSI/BHMA number	605	606	612	613	619	622	625	626/626AM	643e
US number	US3	US4	US10	US10B	US15	US19	US26	US26D	US11
Mechanical	■	■	■	■	■	■	■	■	■
Wired electrified	■	■	■	■	■	■	■	■	■
Wireless electronic	■	■	■	—	■	■	■	■	■

Product information and specifications contained in this catalog are subject to change without notice. Please consult the factory.

ND Series mechanical lock
Keyed function list

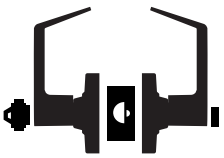
Schlage ANSI

ND50PD F82

Entrance/office lock

- Push-button locking.
- Push-button locks outside lever until it is unlocked with key or by turning inside lever.
- Inside lever always free for immediate egress.

Outside Inside



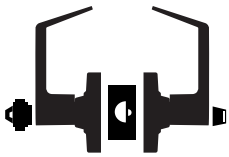
Schlage ANSI

ND53PD F109

Entrance lock

- Turn/push-button locking: Pushing and turning the button locks the outside lever, requiring use of a key until the button is manually unlocked.
- Push-button locking: Pushing button locks outside lever until unlocked by key or by turning the inside lever.
- Inside lever always free for immediate egress.

Outside Inside



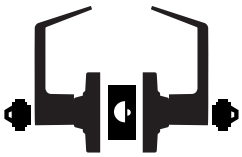
Schlage ANSI

ND60PD F88

Vestibule lock

- Latch retracted by key from outside when outside lever is locked by key in inside lever.
- Inside lever always free for immediate egress.

Outside Inside



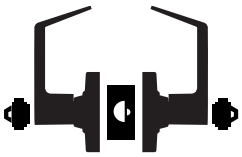
Schlage ANSI

ND66PD F91

Store lock†

- Key in either lever locks or unlocks both levers.

Outside Inside



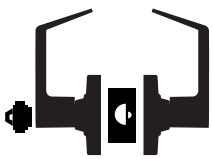
Schlage ANSI

ND70PD F84

Classroom lock

- Outside lever locked and unlocked by key.
- Inside lever always free for immediate egress.

Outside Inside



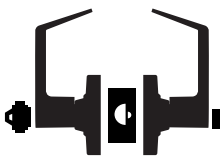
Schlage ANSI

ND73PD F90

Corridor lock

- Locked or unlocked by key from outside.
- Push-button locking from inside.
- Turn inside lever or close door to release button.
- When outside lever is locked by key it can only be unlocked by key.
- Inside lever always free for immediate egress.

Outside Inside



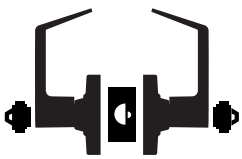
Schlage ANSI

ND75PD -

Classroom security lock

- Key in either lever locks or unlocks outside lever.
- Inside lever always free for immediate egress.

Outside Inside



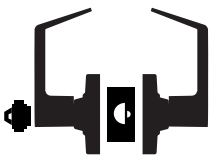
Schlage ANSI

ND80PD F86

Storeroom lock

- Outside lever is fixed.
- Entrance by key only.
- Inside lever always free for immediate egress.

Outside Inside



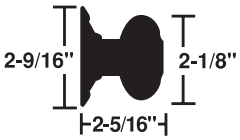
Available with RX

Product specifications

		ND mechanical and ND wired electrified	NDE wireless electronic
Chassis	Material	Modular design of zinc and steel components plated for corrosion protection	
	Door thickness	Standard: 1 5/8" to 2 1/8" Optional: 1 3/8" - 6" EE, EO, EI, ED configurations	Standard - 1 5/8" to 2"
Trim	Handing	Non-Handed	Default to Right Hand, configurable without tools
	Levers	Standard: Nine designs, pressure cast zinc, plated to match product finish specification Optional: Tactile feature - Athens (ATH), Rhodes (RHO), Sparta (SPA), Tubular (TLR), LAT (Latitude), LON (Longitude), BRW (Broadway), BRK (Boardwalk)	
	Roses	Wrought brass, bronze, or zinc, plated to match product finish specification	Zinc, plated to match product finish specification
	Finishes	10 available (605, 606, 612, 613, 619, 622, 625, 626, 626AM, 643e)	9 available (605, 606, 612, 619, 622, 625, 626, 626AM, 643e)
Latches	Backset	Standard: 2 3/4" Optional: 2 3/8", 3 3/4", 7 3/4"	Standard: 2 3/4" Optional: 2 3/8"
	Faceplate	Standard : 1 1/8" x 2 1/4" Optional: 1" x 2 1/4" for 2 3/8" backset doors	Standard: 1 1/8" x 2 1/4"
	Bolt	Standard : 1/2" throw via Oil Impregnated Stainless Steel Optional : 3/4" throw anti-friction bolt available for pairs of doors	
	Strike	Standard: ANSI Curved Lip: 1 1/4" x 4 7/8" x 1 3/16" Optional: T Strike, ANSI strikes with alternative lip lengths, dust box options	
Keying	Formats	Standard: 3 Schlage (KIL or FSIC or SFIC) Optional: 10 Non-Schlage including cylinders from Best, Corbin Russwin, Medeco, Sargent and Yale	
	Access security	Standard : 6-Pin Patented Everest 29 Optional: Open, Restricted, Primus, master keying, construction keying	
Wired electrified	Input voltage	Autodetecting 12-24V DC, + 10%	—
	Operating mode	Fail Safe or Fail Secure via switch on chassis	—
	Current draw	0.23 amps maximum; 0.01 amps holding	—
	Request to Exit	Modular - 3A @ 125VAC / 2A @ 30VDC	—
Wireless electronic	Input voltage	—	4 AA batteries
	Operating mode	—	Selectable - secured, as-is, or passage
	Communication	—	2.4 GHz Wi-Fi (IEEE 802.11b/g) Bluetooth low energy (version 4.0)
	Request to Exit	—	Integrated into chassis
	Door position sensor	—	Integrated magnetometer with strike and magnet assembly. Includes magnetic tamper alert.
	Tamper sensor	—	Integrated interior cover tamper
Warranty	Mechanical	10 years mechanical, 1 year wired electrified	1 year wireless electronic
Certifications	ANSI/BHMA	All ND Series comply with A156.2 performance requirements for grade 1 cylindrical locks. Wired electrified complies with A156.25 (indoor), wireless electronic complies with A156.25 (indoor/outdoor) requirements for electrified locking devices	
	ICC	Complies with ICC A117.1 Accessible and Usable Buildings and Facilities	
	UL/cUL	All locks 3 hour A label single firedoor 4'0" x 10'0"; pair doors 3 hour firedoor 8'0" x 8'0" with 3/4" latch option; pair doors 90 minute fire 8'0" x 10'0" with 3/4" latch option	
	CA Fire Code	All levers with a return to door of 1/2" (64 mm) or less comply (Rhodes, Sparta, Tubular, Omega, Longitude and Boardwalk)	
	FL Building Code	Complies with Florida Building Code (ASTM E330, E1886, E1996) and Miami Dade (TAS 201, 202, 203) requirements for hurricanes	
	Federal	Meets FF-H-106C Series 161	—
	Other	—	UL294, CSA C22.2 No. 205-M1983, FCC Part 15, IC RSS-210, RoHS

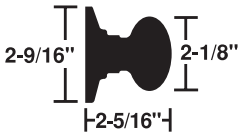
A Series knob and lever designs

Georgian (GEO)



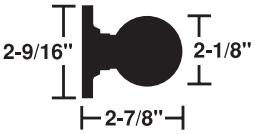
Symbol: GEO
Material: Wrought brass

Plymouth (PLY)



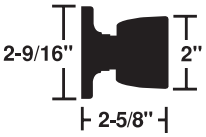
Symbol: PLY
Material: Wrought brass, bronze or stainless steel

Orbit (ORB)



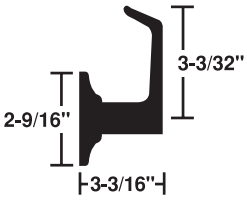
Symbol: ORB
Material: Wrought brass or bronze

Tulip (TUL)



Symbol: TUL
Material: Wrought brass

Levon (LEV)



Symbol: LEV
Material: Pressure cast zinc lever; wrought brass or bronze rose
Note: On keyed functions the LEV lever is available for inside trim only.

All designs shown in 626 satin chrome

= Standard cylinder.

= FSIC - full size interchangeable core option for Orbit design.

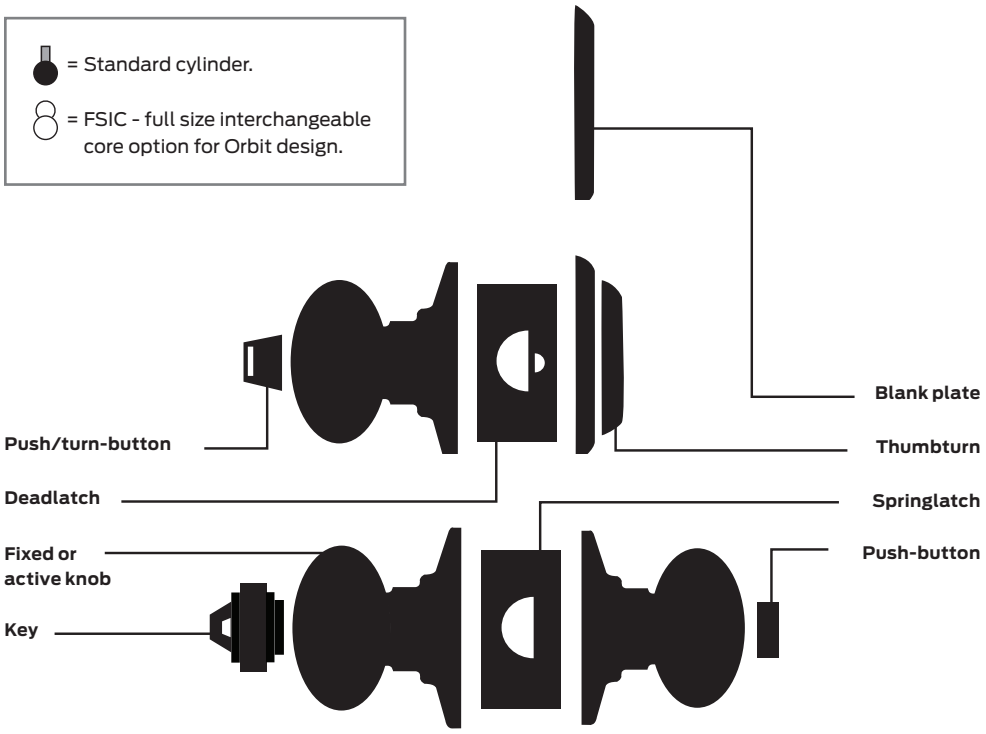
= Complies with ADA accessibility guidelines.

A Series lock functions

ANSI A156.2 Series 4000 Grade 2

= Standard cylinder.

= FSIC - full size interchangeable core option for Orbit design.

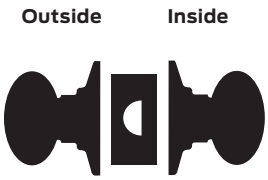


Non-keyed functions

Schlage **A10** | ANSI **F75**

Passage latch

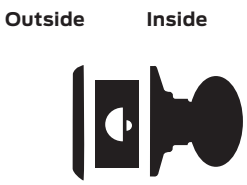
- Both knobs always unlocked



Schlage **A25D**

Exit lock

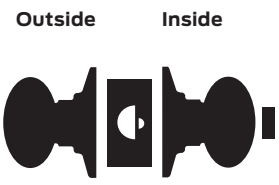
- Blank plate outside
- Inside knob is always unlocked
- Specify door thickness



Schlage **A30D** | ANSI **F77S**

Patio lock

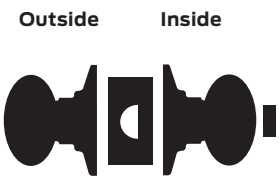
- Push-button locking
- Turn inside knob or close door to release button and prevent lock-out



Schlage **A40** | ANSI **F76**

Bath/bedroom privacy lock

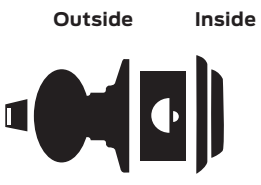
- Push-button locking
  Can be opened from outside with small screwdriver
- Turn inside knob or close door to release button



Schlage **A43** | ANSI **F79**

Communicating lock

- Turn-button in outer knob locks and unlocks knob and inside thumbturn



Specifications

Handing:
Keyed functions are reversible. Non-keyed functions are not handed.

Door thickness:
1 3/8" to 1 7/8" (35 mm to 48 mm) standard.
2" (51 mm) to 2 1/2" (64 mm) optional extended inside.

Backset:
2 3/8" (60 mm) standard. 2 3/4" (70 mm), 3 3/4" (95 mm) and 5" (127 mm) optional.

Front:
Steel. 1 1/8" x 2 1/4" square corner, beveled, for 2 3/4" backset standard. Optional 1" square corner, 1" radius corner, and non-UL drive-in/round face. For availability with specific backsets, see page 16.

Lock chassis:
Steel, zinc dichromate plated for corrosion resistance.

Latch bolt:
Brass, chrome plated, 1/2" throw, deadlocking on keyed and exterior functions.

Exposed trim:
Wrought brass, bronze or stainless steel. Levers are pressure cast zinc, plated to match finish symbols.

Strike:
T-strike 1 1/8" x 2 3/4" (29 mm x 70 mm) x 1 1/8" (29 mm) lip to center with box standard. Optional strikes, lip lengths and ANSI strike box available. See page 17.

Cylinder and keys:
Commercial: 6-pin patented Everest 29 S123 keyway standard with two nickel silver keys per lock.

Residential: 6-pin C keyway, keyed 5-pin.

Keying options:
Interchangeable core and Primus XP high security cylinders. Master keying, grand master keying, and construction keying.

Warranty:
Commercial: three-year limited.

Certifications

ANSI:
Meets or exceeds A156.2 Series 4000, Grade 2 strength and operational requirements.

Federal:
Meets FF-H-106C.

California state reference code:
(Formerly Title 19, California State Fire Marshal Standard)
All levers with a return to door of 1/2" (64mm) or less comply.

UL/cUL:
All locks listed for A label single doors, 4' x 8'.
Letter F and UL symbol on latch front indicate listing.
UL437 Listed locking cylinder optional: specify Primus XP 20-500 Series cylinder.

ADA compliant:
Schlage Lock Company offers a wide selection of locks designed to meet the Americans With Disabilities Act.

Product identification

A – 53 – P – D

Lock series

Function

Cylinder suffix

P	6-pin cylinder
L	Less 6-pin cylinder
R	Full size interchangeable core
J	Less full size interchangeable core
T	Full size construction core
Z	Everest SL 7-pin cylinder

Latch suffix

D	Deadlatch
S	Springlatch

Pemko Manufacturing Company
5535 Distribution Drive
Memphis, TN 38141
Phone: (800) 824-3018
Fax: (800) 243-3656
E-mail: pemkosales@pemko.com
www.pemko.com

SECTION 08710
DOOR HARDWARE
(CONTINUOUS GEARED DOOR HINGES)

PART 1 GENERAL

1.01 SUMMARY

A. Section Includes: Continuous Geared Door Hinges.

Specifier Note: Revise paragraph below to suit project requirements. If a reader of this section could reasonably expect to find a product or component specified in this section, but it is actually specified elsewhere, then the related section number(s) should be listed in the paragraph below. Add section numbers and titles per CSI *MasterFormat* and specifier's practice. In the absence of related sections, delete paragraph below.

B. Related Sections:

1. Division 6 Section(s): Wood Frames.
2. Division 8 Section(s): Steel Doors, Wood Doors, Sound Control Doors, Aluminum Frame Storefront Doors.
3. Division 10 Section(s): Compartments and Cubicles, Partitions.
4. Division 13 Section(s): Special Facilities, Integrated Construction, Special Structures, Special Purpose Rooms.

Specifier Note: Article below may be omitted when specifying manufacturer's proprietary products and recommended installation. Retain References Article when specifying products and installation by an industry reference standard. If retained, list standard(s) referenced in this section. Indicate issuing authority name, acronym, standard designation and title. Establish policy for indicating edition date of standard referenced. Conditions of the Contract or Division 1 References Section may establish the edition date of standards. This article does not require compliance with standard. It is a listing of all references used in this section.

1.02 REFERENCES

A. ASTM International:

1. ASTM E2074 Standard Test Method for Fire Tests of Door Assemblies, Including Positive Pressure Testing of Side-Hinged and Pivoted Swinging Door Assemblies.

B. American National Standards Institute/Builders Hardware Manufacturers Association (ANSI/BHMA):

1. ANSI/BHMA A156.18 Materials and Finishes.
2. ANSI/BHMA A156.26 Standards for Continuous Hinges.

C. American National Standards Institute/Steel Door Institute (ANSI/SDI):

1. ANSI A250.8/SDI-100 Recommended Specifications for Standard Steel Doors and Frames.

D. American National Standards Institute/Window and Door Manufacturers Association (ANSI/WDMA):

1. ANSI/WDMA I.S.1-A Architectural Wood Flush Doors.

E. Federal Government:

1. U.S. Architectural & Transportation Barriers Compliance Board. Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG), 1992.
2. Federal Standard FED-STD-795-1988 (Revised 1989) Uniform Federal Accessibility Standards.

F. Underwriters Laboratories, Inc. (UL):

1. UL 10B Fire Tests of Door Assemblies.

2. UL 10C Fire Tests of Door Assemblies.
3. UL 752 Bullet Resistant Equipment.

G. International Code Council (ICC):
1. UBC 7-2 Fire Test of Door Assemblies (Positive Pressure).
2. International Building Code (IBC) Code 2000 (Positive Pressure).
3. ICC/ANSI A117.1 Accessible and Usable Buildings and Facilities.

H. British Standards (BS):
1. BS 476 Fire Tests on Building Materials and Structures.

I. National Fire Protection Association (NFPA):
1. NFPA 1 Fire Prevention Code.

Specifier Note: Article below should be restricted to statements describing design or performance requirements and functional (not dimensional) tolerances of a complete system. Limit descriptions to composite and operational properties required to link components of a system together and to interface with other systems.

1.03 SYSTEM DESCRIPTION

A. Design Requirements: Provide continuous geared door hinges which have been manufactured, fabricated and installed to meet the following design criteria:
1. Continuous geared configuration, designed to distribute loads uniformly.
2. Identical operation in each leaf, designed to reduce door opening effort.
3. UL labeled for 3 hour fire classification.
4. Durability tested to ANSI/BHMA A156.26 Grade 1, 2, 3.

Specifier Note: Article below includes submittal of relevant data to be furnished by Contractor before, during or after construction. Coordinate this article with Architect's and Contractor's duties and responsibilities in Conditions of the Contract and Division 1 Submittal Procedures Section.

1.04 SUBMITTALS

A. General: Submit listed submittals in accordance with Conditions of the Contract and Division 1 Submittal Procedures Section.

B. Product Data: Submit manufacturer's product data and installation instructions.

C. Shop Drawings: Provide drawings indicating required component locations, installation interface with adjacent materials, anchorage, fastening and similar information.

D. Samples: Submit one each of manufacturer's standard selection samples.

E. Quality Assurance/Control Submittals: Submit the following:
1. Test Reports: Upon request, submit [Fire] [And] [Durability] test reports from recognized testing laboratory.
2. Certificates: Submit manufacturer's certificate that products meet or exceed specified requirements.

F. Closeout Submittals: Submit the following:
1. Warranty documents specified herein.

Specifier Note: Article below should include statements of prerequisites, standards, limitations and criteria that establish an overall level of quality for products and workmanship for this section. Coordinate article below with Division 1 Quality Assurance Section.

1.05 QUALITY ASSURANCE

A. Installer Qualifications: Utilize an installer having demonstrated experience on projects of similar size and complexity.

Specifier Note: Paragraph below should list obligations for compliance with specific code requirements particular to this section and authority having jurisdiction. General statements to comply with a particular code are typically addressed in Conditions of the Contract and Division 1 Regulatory Requirements Section. Repetitive statements should be avoided.

B. Regulatory Requirements and Approvals: [Specify applicable requirements of regulatory agencies.].

1. [Code agency name].

a. [Report or approval number].

C. Certifications: [Specify requirement for certifications.].

D. Field Samples: [Specify requirement for field samples.].

E. Mock-Ups: [Specify requirements for mock-up.].

1. Subject to acceptance by owner, mock-up may be retained as part of finish work.

2. If mock-up is not retained, remove and properly dispose of mock-up.

Specifier Note: Retain paragraph below if preinstallation meeting is required.

F. Preinstallation Meetings: [Specify requirements for meeting.].

Specifier Note: Article below should include specific protection and environmental conditions required during storage. Coordinate article below with Division 1 Product Requirements Section.

1.06 DELIVERY, STORAGE & HANDLING

A. General: Comply with Division 1 Product Requirement Section.

B. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.

C. Storage and Protection: Store materials protected from exposure to harmful environmental conditions and at temperature and humidity conditions recommended by the manufacturer.

Specifier Note: Coordinate article below with Conditions of the Contract and with Division 1 Closeout Submittals (Warranty) Section. Use this article to require special or extended warranty or bond covering the work of this section.

1.07 WARRANTY

A. Project Warranty: Refer to Conditions of the Contract for project warranty provisions.

B. Manufacturer's Warranty: Submit, for Owner's acceptance, manufacturer's standard warranty document executed by authorized company official. Manufacturer's warranty is in addition to, and not a limitation of, other rights Owner may have under contract documents.

Specifier Note: Coordinate subparagraph below with manufacturer's warranty requirements.

1. Warranty Period: Warranty for life of door opening, beginning with date of substantial completion.

PART 2 PRODUCTS

Specifier Note: Retain article below for proprietary method specification. Add product attributes, performance characteristics, material standards and descriptions as applicable. Use of such phrases as "or equal" or "or approved equal" or similar phrases may cause ambiguity in specifications. Such phrases require verification (procedural, legal and regulatory) and assignment of responsibility for determining "or equal" products.

2.01 CONTINUOUS GEARED DOOR HINGES

Specifier Note: Paragraph below is an addition to CSI *SectionFormat* and a supplement to MANU-SPEC. Retain, edit or delete paragraph below to suit project requirements and specifier practice.

A. Manufacturer: Pemko Manufacturing Company.

1. Contact: PO Box 3780, 4226 Transport Street, Ventura, CA 93003; Telephone: (800) 283-9988, (805) 642-2600; Fax: (805) 642-4109; E-mail: pemkosales@pemko.com; website: www.pemko.com.

B. Proprietary Products/Systems: Continuous Geared Door Hinges, including the following:

1. Continuous Geared PemkoHinges:

a. Material: Extruded tempered aluminum.

b. Material Standard: 6063-T6 alloy.

c. Configuration: Three interlocking extrusions in pinless assembly, installed to full height of door frame.

d. Finish (ANSI/BHMA A156.18): [Clear anodized] [Dark anodized] [Gold anodized].

e. Type: [Full mortise] [Full surface] [Half surface] [Full mortise residential: 1 3/4 inches (45 mm)] [Full mortise residential: 1 3/8 inches (35 mm)] [Special full mortise] [Wide throw full mortise].

f. Length: [79 inches (2007 mm)] [83 inches (2108 mm)] [85 inches (2159 mm)] [95 inches (2413 mm)] [120 inches (3048 mm)].

g. Hinge Options: [Safety] [Short leaf flush] [Short leaf inset] [Standard] [Safety short leaf inset] [Center pivot].

h. Electrical Modifications: [Specify electrical modifications.].

i. Strength: [Standard Duty: 14 bearings each leaf for 83 inch (2108 mm) hinge, minimum door weight 280 lb (127 kg)] [Heavy Duty: 27 bearings each leaf for 83 inch (2108 mm) hinge, minimum door weight 540 lb (245 kg)].

j. Mortise Fasteners: TEK, #12 × 3/4 inch, FHUC, Phillips head screws.

k. Fire Label Certification: Comply with ASTM E2074, NFPA 1, UBC 7-2, BS 476, UL 10B, UL 10C, [90 minutes for wood doors] [3 hours for hollow metal doors].

l. Testing Standard: Tested according to ANSI/BHMA A156.26.

Specifier Note: Edit Article below to suit project requirements. If substitutions are permitted, edit text below. Add text to refer to Division 1 Project Requirements (Product Substitutions Procedures) Section.

2.02 PRODUCT SUBSTITUTIONS

A. Substitutions: No substitutions permitted.

PART 3 EXECUTION

Specifier Note: Article below is an addition to the CSI *SectionFormat* and a supplement to MANU-SPEC. Revise article below to suit project requirements and specifier's practice.

3.01 MANUFACTURER'S INSTRUCTIONS

A. Comply with the instructions and recommendations of the continuous geared door hinge manufacturer.

Specifier Note: Specify actions to physically determine that conditions are acceptable to receive primary products of the section.

3.02 EXAMINATION

A. Site Verification of Conditions:

1. Verify that site conditions are acceptable for installation of continuous geared door hinges.

a. Examine doors and frames for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction and other conditions affecting performance.

b. Ensure frame is square and plumb before installation.

c. Examine roughing-in for electrical wiring connections.

2. Do not proceed with installation of continuous geared door hinges until unacceptable conditions are corrected.

Specifier Note: Specify actions required to physically prepare the surface, area or site or to incorporate the primary products of the section.

3.03 PREPARATION

A. Wood Door Preparation: Comply with ANSI/WDMA I.S.1-A.

B. Steel Door and Frame Preparation: Drill doors and frames for hardware per manufacturer's installation instructions. Comply with ANSI A250.8/SDI-100.

Specifier Note: Coordinate article below with manufacturer's recommended installation requirements.

3.04 INSTALLATION

A. Mounting Location: Comply with the following requirements, unless otherwise indicated:

1. Steel Doors and Frames:

a. Comply with ANSI A250.8/SDI-100.

b. Ensure frames are properly sized, plumb and square.

c. [Specify standard or specific requirements.].

2. Wood Doors:

a. Comply with ANSI/WDMA I.S.1-A.

b. Ensure doors are properly sized, plumb and square.

c. [Specify standard or specific requirements.].

B. Adjust and reinforce attachment substrates as necessary for proper installation and operation.

C. Space fasteners and anchors according to manufacturer's product instructions.

Specifier Note: Specify the final actions required to prepare installed equipment or other completed work to properly function or perform.

3.05 ADJUSTING

A. Perform adjustments required to ensure that continuous geared door hinges function in compliance with manufacturer's performance criteria prior to acceptance by Owner.

1. Adjust door control devices to compensate for final operation of HVAC system and to comply with accessibility requirements.

Specifier Note: Specify the final actions required to clean installed equipment or other completed work to properly function or perform. Coordinate article below with Division 1 Execution Requirements (Cleaning) Section.

3.06 CLEANING

A. Remove any protective films and clean components as necessary following manufacturer's recommended procedures.

Specifier Note: Specify provisions for protecting work after installation but prior to acceptance by Owner. Coordinate article below with Division 1 Execution Requirements Section.

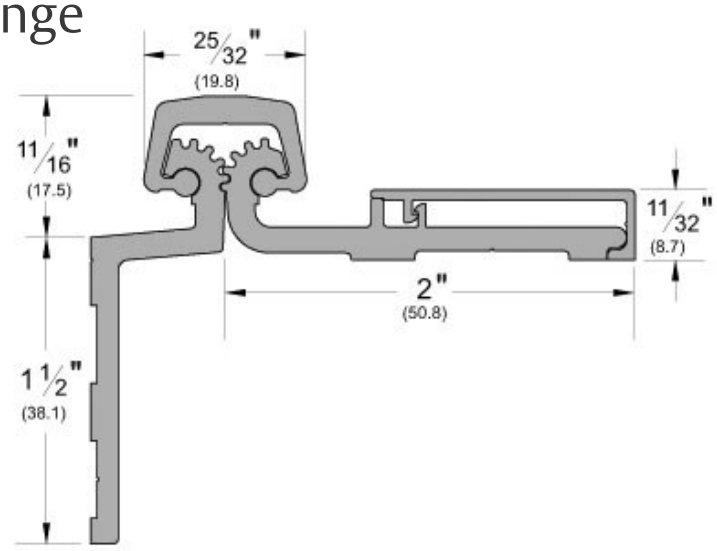
3.07 PROTECTION

A. Protect installed work from damage due to subsequent construction activity on the site.

END OF SECTION

Pemko _HS_SF Half Surface Hinge

Standard Duty Anodized Aluminum Safety Continuous Geared - designed mainly for retrofit work in child care and nursing facilities and are applied to the exposed surface of the frame rabbet. Also available in heavy duty models.



- Designed for use with hollow metal frames, where the inset conforms to S.D.I. specifications for aligning doors and frames.
- Allows for adjustments in order to properly align the edge of the door to the frame.
- BL (Black Anodized) and PW (Painted White) are special finishes available upon request.
- Fasteners - Frame Portion - All fasteners are #12-24 x 7/16" FHUC, Type C, threadforming.
- Standard model: 16 fasteners required for each leaf.
- Wood screws available on request (specify on order).
- Fasteners - Door Portion - a. Thru-bolt - 1/4-20 x 1-5/8". - Standard Duty Hinges - 4 required. - b. Shoulder Bolt - 1/4-20 x 1" PCH. -Standard Duty Hinges - 4 required. - c. Pan Head Self Drilling #12 x 3/4". - Standard Duty Hinges - 6 required.
- Standard duty hinge. 6" between bearing centers.
- Standard duty hinges conform to Grade 3-150 and Grade 3-300 cycle requirements per BHMA standard ANSI/BHMA A156.26-2006.
- Aluminum continuous hinge for use on swinging type fire doors of the hollow metal, tin-clad, sheet metal and steel covered composite type rated up to 3 hours, wood covered composite type rated up to and including 1-1/2 hours. Also wood core rated up to and including 20 minutes without hose stream.
- PemkoHinge products are guaranteed for the life of the opening against defects in material or workmanship with the exception of AL, RS, standard duty and Grade 3 hinges, which carry a 10 year warranty.
- Weight bearing (per BHMA standard ANSI/BHMA A156.26-2006) for standard models: 83" and 85" = 14 bearings, door weight = 280 lbs.; 95" = 16 bearings, door weight = 320 lbs.; 120" = 20 bearings, door weight = 400 lbs.
- Width: 2” (50.8 mm) (between frame leaf and door leaf edge).
- Cap Width: 25/32” (19.8 mm).
- Height: 1-1/2” (38.1 mm) (frame edge side - leaf).®

Remediation Reports

ENERCON
Excellence—Every project. Every day.

Attn: Mr. Trenton Wilhelm
Dept. of Environmental Quality
707 N. Robinson Ave.
Oklahoma City, OK 73102

January 30, 2024

Telephone: 405.702.5108
e-mail: trenton.wilhelm@deq.ok.gov

Re: Asbestos Abatement and Lead Remediation
Former Cherokee Old Town Hall
121 N. Grand Avenue, Cherokee, OK 73728

Please find attached:

- Air reports (Asbestos)
- Lead paint lab analysis-(Round 1-4)

Asbestos
The asbestos-containing building materials identified in the Work Plan appear to have been properly removed in accordance with governing rules and regulations. The measured fiber concentrations present inside the building following abatement activities were below Oklahoma's permissible exposure limits for airborne asbestos[1].

Lead
Dust-lead clearance levels are used to evaluate the effectiveness of post abatement cleaning and will reduce dust-lead related risks to children in pre-1978 homes and childcare facilities. Measured lead dust concentrations present inside the building following abatement activities were below EPA's current clearance levels for floors[2].

The foregoing findings are based on the analytical results of sampling performed post-abatement, the visual final acceptance inspection of the areas abated, and the inspector's professional judgment. The information contained in this report represents conditions that exists at the time of this assessment. ENERCON does not warrant the services of regulatory agencies, laboratories, or other third parties supplying information that may have been used in the preparation of this report.

Enercon Services, Inc. (ENERCON) appreciates the opportunity to provide these services to the Oklahoma Department of Environmental Quality. If you have any questions or comments regarding this addendum, please feel free to call me at 405.722.7693 or 405.834.2490.

Sincerely,
ENERCON SERVICES, INC.

Ben Baggett
Industrial Hygiene/Safety Lead
bbaggett@enercon.com

Charles Calmbacher, PhD, CIH
ccalmbacher@enercon.com

[1] 0.01 fibers per cubic centimeter (f/cc)
[2] 10 micrograms per square foot (µg/ft²)

Air Reports
(Asbestos)

Enercon Services, Inc
Certificate of Analysis / AAL
1601 NW Expressway, OKC, OK
2302 South Prospect Ave, OKC, OK

Project: ODEQ-00036

Pump Number	Sample Number	Date Sampled	Time 1 On-Off	Time 2 On-Off	Collection Information	T Y P	Cass. Dia = 25 mm Pers Exp.	Flow Rate (L/M) Pre	Post	Avg.	PF = 10 Fiber Count	Field Count	Field of View = 0.00785 Ttl. Time (Min.)	Volume (Liters)	Fiber Density	Pg. 1 OF 1 Fibers Per CC	Det. Limit	LCL	UCL
-	1	7/13/23	- -	- -	BLANK	B		0	0	0.00	0.0	100	0	0.0	0.000	NA	NA	NA	NA
-	2	7/13/23	- -	- -	BLANK	B		0	0	0.00	0.0	100	0	0.0	0.000	NA	NA	NA	NA
1	3	7/13/23	11:46 AM 1:46 PM	- -	Clearance 1/Room 1 Former Cherokee City Hall	A		10.00	10.00	10.00	3.0	100	120	1200.0	3.822	BDL	0.003	0.001	0.003
2	4	7/13/23	11:46 AM 1:46 PM	- -	Clearance 2/Room 7 Former Cherokee City Hall	A		10.00	10.00	10.00	5.0	100	120	1200.0	6.369	BDL	0.003	0.001	0.003
3	5	7/13/23	11:46 AM 1:46 PM	- -	Clearance 3/Room 16 Former Cherokee City Hall	A		10.00	10.00	10.00	1.5	100	120	1200.0	1.911	BDL	0.003	0.000	0.003
4	6	7/13/23	11:46 AM 1:46 PM	- -	Clearance 4/Room 19 Former Cherokee City Hall	A		10.00	10.00	10.00	3.0	100	120	1200.0	3.822	BDL	0.003	0.001	0.003
5	7	7/13/23	11:46 AM 1:46 PM	- -	Clearance 5/Room 4 Former Cherokee City Hall	A		10.00	10.00	10.00	4.0	100	120	1200.0	5.096	BDL	0.003	0.001	0.003
1	8	7/13/23	1:55 PM 3:55 PM	- -	Clearance 6/Room 13 Former Cherokee City Hall	A		10.00	10.00	10.00	6.0	100	120	1200.0	7.643	BDL	0.003	0.002	0.003
2	9	7/13/23	1:55 PM 3:55 PM	- -	Clearance 7/Room 10 Former Cherokee City Hall	A		10.00	10.00	10.00	3.5	100	120	1200.0	4.459	BDL	0.003	0.001	0.003
3	10	7/13/23	1:55 PM 3:55 PM	- -	Clearance 8/NW Corner Room 14 Former Cherokee City Hall	A		10.00	10.00	10.00	5.0	100	120	1200.0	6.369	BDL	0.003	0.001	0.003
4	11	7/13/23	1:55 PM 3:55 PM	- -	Clearance 9/NE Corner Room 14 Former Cherokee City Hall	A		10.00	10.00	10.00	3.0	100	120	1200.0	3.822	BDL	0.003	0.001	0.003
5	12	7/13/23	1:55 PM 3:55 PM	- -	Clearance 10/Center Room 14 Former Cherokee City Hall	A		10.00	10.00	10.00	4.0	100	120	1200.0	5.096	BDL	0.003	0.001	0.003

NIOSH 7400 METHOD 7/20/2010

I hereby certify that the above samples were collected and analyzed in compliance with applicable standards and regulations.

NC = Not Counted. Reasons: 1. Overload; 2. Damaged Filter; 3. Pump Failure; 4. Missing Filter REV 1

Rotometer Number: 999

Calibration Date: 7/12/23

AM Technician: Solomon Throckmorton
Location: Cherokee, OK
Contractor: Tec-An Inc.
Project Number: ODEQ-00036

Notes:	Supervisor Chad Niccum
	Two sets of clearances ran in Former Cheorkee City Hall.

Lead Paint Lab Analysis
Round 1

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Environmental Chemistry Analysis Report

QuanTEM Set ID: 360441
Date Received: 07/18/23
Received By: Jake Martin
Date Sampled:
Time Sampled:
Analyst: JM
Date of Report: 07/19/23

AIHA LAP, LLC: 101352

Client: Enercon - OKC
1601 Northwest Expressway
Suite 1000
Oklahoma City, OK 73118

Acct. No.: A845

Project: ODEQ-00036
Location: Cherokee, OK
Project No.: NA

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	1-1	Wipe	Lead	<5.0	5	ug/sq. Ft.	07/19/23 13:36	NIOSH 7082
002	1-2	Wipe	Lead	35	5	ug/sq. Ft.	07/19/23 13:36	NIOSH 7082
003	1-3	Wipe	Lead	53	5	ug/sq. Ft.	07/19/23 13:36	NIOSH 7082
004	2-1	Wipe	Lead	<5.0	5	ug/sq. Ft.	07/19/23 13:36	NIOSH 7082
005	2-2	Wipe	Lead	<5.0	5	ug/sq. Ft.	07/19/23 13:36	NIOSH 7082
006	3-1	Wipe	Lead	11	5	ug/sq. Ft.	07/19/23 13:36	NIOSH 7082
007	4-1	Wipe	Lead	<5.0	5	ug/sq. Ft.	07/19/23 13:36	NIOSH 7082
008	4-2	Wipe	Lead	5.8	5	ug/sq. Ft.	07/19/23 13:36	NIOSH 7082
009	5-1	Wipe	Lead	<5.0	5	ug/sq. Ft.	07/19/23 13:36	NIOSH 7082
010	6-1	Wipe	Lead	<5.0	5	ug/sq. Ft.	07/19/23 13:36	NIOSH 7082
011	9-1	Wipe	Lead	6.1	5	ug/sq. Ft.	07/19/23 13:36	NIOSH 7082
012	13-1	Wipe	Lead	<5.0	5	ug/sq. Ft.	07/19/23 13:36	NIOSH 7082
013	13-2	Wipe	Lead	<5.0	5	ug/sq. Ft.	07/19/23 13:36	NIOSH 7082
014	14-1	Wipe	Lead	<5.0	5	ug/sq. Ft.	07/19/23 13:36	NIOSH 7082
015	14-2	Wipe	Lead	9.6	5	ug/sq. Ft.	07/19/23 13:36	NIOSH 7082
016	14-3	Wipe	Lead	6.9	5	ug/sq. Ft.	07/19/23 13:36	NIOSH 7082
017	14-4	Wipe	Lead	8.5	5	ug/sq. Ft.	07/19/23 13:36	NIOSH 7082

Note: Sample results have not been corrected for blank values.

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

EPA Method 7000B (1) = EPA 600/R-93/200 Preparation Modified. EPA 7000B Analysis Modified

EPA Method 7082 (2) = EPA 600/R-93/200 Preparation Modified. EPA 7082 Analysis Modified

QUANTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Environmental Chemistry Analysis Report

QuanTEM Set ID: 360441
Date Received: 07/18/23
Received By: Jake Martin
Date Sampled:
Time Sampled:
Analyst: JM
Date of Report: 07/19/23

AIHA LAP, LLC: 101352

Client: Enercon - OKC
1601 Northwest Expressway
Suite 1000
Oklahoma City, OK 73118

Acct. No.: A845

Project: ODEQ-00036
Location: Cherokee, OK
Project No.: NA

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
018	14-5	Wipe	Lead	7.3	5	ug/sq. Ft.	07/19/23 13:36	NIOSH 7082
019	14-6	Wipe	Lead	<5.0	5	ug/sq. Ft.	07/19/23 13:36	NIOSH 7082
020	14-7	Wipe	Lead	7.5	5	ug/sq. Ft.	07/19/23 13:36	NIOSH 7082
021	14-8	Wipe	Lead	12	5	ug/sq. Ft.	07/19/23 13:36	NIOSH 7082
022	14-9	Wipe	Lead	15	5	ug/sq. Ft.	07/19/23 13:36	NIOSH 7082
023	14-10	Wipe	Lead	21	5	ug/sq. Ft.	07/19/23 13:36	NIOSH 7082

Authorized Signature: Cherry Rossen
Cherry Rossen, Technical Manager

Note: Sample results have not been corrected for blank values.

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Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

EPA Method 7000B (1) = EPA 600/R-93/200 Preparation Modified. EPA 7000B Analysis Modified

EPA Method 7082 (2) = EPA 600/R-93/200 Preparation Modified. EPA 7082 Analysis Modified

Supplemental Report
QAQC Results

QA ID: 20808 **Date:** 7/19/2023 **Lab Number:** 360441
Test: Lead **Matrix:** Wipe **Approved By:** Cherry Rossen
Date Approved: 7/19/2023

Notes:

Blank Data:

Type of Blank	Blank Value
FCB	0
ICB	0
Matrix Blank 1	0
Matrix Blank 2	0

Standards Data:

Standard	Low Limit	Obtained	High Limit
CCV	2.2	2.6	2.8
FCV	2.2	2.6	2.8
RLVS	0.05	0.09	0.15
ICV	0.9	1.1	1.1

Duplicate Data:

Recovery Data:

Sample Number	Result	Spike Level	Result + Spike	% Recovery	Dup. Result + Spike	% Dup. Recovery	% Spike RPD
MS-W1	0.000	2.428	2.725	112.2	2.450	100.9	10.6
MS-W2	0.000	2.428	2.514	103.5	2.148	88.5	15.7

Cherry Rossen

Authorized Signature:_____

Cherry Rossen, Technical Manager

Supplemental Report
QAQC Results

QA ID: 20809 **Date:** 7/19/2023 **Lab Number:** 360441
Test: Lead **Matrix:** Wipe **Approved By:** Jake Martin
Date Approved: 7/19/2023

Notes:

Blank Data:

Type of Blank	Blank Value
FCB	0
Matrix Blank	0
Matrix Blank	0

Standards Data:

Standard	Low Limit	Obtained	High Limit
RLVS	0.05	0.09	0.15

Duplicate Data:

Recovery Data:

Sample Number	Result	Spike Level	Result + Spike	% Recovery	Dup. Result + Spike	% Dup. Recovery	% Spike RPD
MS-W1	0.000	2.428	2.725	112.2	2.450	100.9	10.6
MS-W2	0.000	2.428	2.514	103.5	2.148	88.5	15.7

Authorized Signature: Jake Martin

Jake Martin, Laboratory Analyst

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For Lab Use Only
Lab No. 360441
(Accept) Reject

Contact Information			Project Information	Report Results (☑ one box)
Company: Enercon Services Inc.		Phone:	Project Name: ODEQ-00036	☑ QuanTEM Website
Contact: Ben Baggett		Cell Phone: 405-834-2490	Project Location: Cherokee OK	☑ Email bbaggett@enercon.com
Account #:		E-mail: bbaggett@enercon.com	Project ID:	☐ Other
SAMPLED BY:	Name: Solomon Throckmorton	Date: 7/18/23	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
	7/18/23 12pm	Hand		7/18/23 @12:1

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	Sample Description	Volume or Area	Flame Atomic Absorption EPA 7000B: Paint Chips (○ wt% ○ ppm ○ mg/cm²)	Bulk (mg/kg)	Soil (mg/kg)	NIOSH 7082: Wipes (ug/ft²)	Air (µg/m³)	Other Analysis: TCLP - Pb	TCLP - RCRA 8	RCRA 8	Other
			JM 7/19/23									
1	1-1	Lead wipe	1.0 ~~100²cm/ft²~~				✓					
2	1-2											
3	1-3											
4	2-1											
5	2-2											
6	3-1											
7	4-1											
8	4-2											
9	5-1											
10	6-1											
11	9-1											

TURNAROUND TIME	
○	Same Day
✓	~~24~~ - Hour
○	3 - Day
○	5 - Day

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Lab No. 360441
Accept Reject

Project Information

Company:	Project Name:	Project Location:

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	Sample Description	Volume or Area	Flame Atomic Absorption EPA 7000B: Paint Chips (wt% ppm mg/cm²)	Bulk (mg/kg)	Soil (mg/kg)	NIOSH 7082: Wipes (ug/ft²)	Air (µg /m³)	Other Analysis: TCLP - Pb	TCLP - RCRA 8	RCRA 8	Other
12	13-1		JM 7/19/23 1-0ft²									
13	13-2											
14	14-1											
15	14-2											
16	14-3											
17	14-4											
18	14-5											
19	14-6											
20	14-7											
21	14-8											
22	14-9											
23	14-10											
24												
25												
26												
27												

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Environmental Chemistry Analysis Report

QuanTEM Set ID: 360534
Date Received: 07/20/23
Received By: Baylie Longstreth
Date Sampled:
Time Sampled:
Analyst: CR
Date of Report: 07/21/23

AIHA LAP, LLC: 101352

Client: Enercon - OKC
Solomon Throckmorton

Acct. No.: A845

Project: ODEQ-00036
Location: Cherokee, OK
Project No.: N/A

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	16-1	Wipe	Lead	11	5	ug/sq. Ft.	07/21/23 10:27	NIOSH 7082
002	16-2	Wipe	Lead	<5.0	5	ug/sq. Ft.	07/21/23 10:27	NIOSH 7082
003	16-3	Wipe	Lead	<5.0	5	ug/sq. Ft.	07/21/23 10:27	NIOSH 7082
004	16-4	Wipe	Lead	5.1	5	ug/sq. Ft.	07/21/23 10:27	NIOSH 7082
005	16-5	Wipe	Lead	14	5	ug/sq. Ft.	07/21/23 10:27	NIOSH 7082
006	16-6	Wipe	Lead	<5.0	5	ug/sq. Ft.	07/21/23 10:27	NIOSH 7082
007	16-7	Wipe	Lead	8.1	5	ug/sq. Ft.	07/21/23 10:27	NIOSH 7082
008	16-8	Wipe	Lead	<5.0	5	ug/sq. Ft.	07/21/23 10:27	NIOSH 7082
009	16-9	Wipe	Lead	12	5	ug/sq. Ft.	07/21/23 10:27	NIOSH 7082
010	16-10	Wipe	Lead	6.6	5	ug/sq. Ft.	07/21/23 10:27	NIOSH 7082
011	17-1	Wipe	Lead	82	5	ug/sq. Ft.	07/21/23 10:27	NIOSH 7082
012	17-2	Wipe	Lead	170	5	ug/sq. Ft.	07/21/23 10:27	NIOSH 7082
013	18-1	Wipe	Lead	100	5	ug/sq. Ft.	07/21/23 10:27	NIOSH 7082
014	19-1	Wipe	Lead	<5.0	5	ug/sq. Ft.	07/21/23 10:27	NIOSH 7082
015	19-2	Wipe	Lead	<5.0	5	ug/sq. Ft.	07/21/23 10:27	NIOSH 7082
016	19-3	Wipe	Lead	23	5	ug/sq. Ft.	07/21/23 10:27	NIOSH 7082
017	20-1	Wipe	Lead	8.8	5	ug/sq. Ft.	07/21/23 10:27	NIOSH 7082

Note: Sample results have not been corrected for blank values.

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

EPA Method 7000B (1) = EPA 600/R-93/200 Preparation Modified. EPA 7000B Analysis Modified

EPA Method 7082 (2) = EPA 600/R-93/200 Preparation Modified. EPA 7082 Analysis Modified

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Environmental Chemistry Analysis Report

QuanTEM Set ID: 360534
Date Received: 07/20/23
Received By: Baylie Longstreth
Date Sampled:
Time Sampled:
Analyst: CR
Date of Report: 07/21/23

AIHA LAP, LLC: 101352

Client: Enercon - OKC
Solomon Throckmorton

Acct. No.: A845

Project: ODEQ-00036
Location: Cherokee, OK
Project No.: N/A

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
018	20-2	Wipe	Lead	7.9	5	ug/sq. Ft.	07/21/23 10:27	NIOSH 7082
019	21-1	Wipe	Lead	15	5	ug/sq. Ft.	07/21/23 10:27	NIOSH 7082
020	25-1	Wipe	Lead	9.8	5	ug/sq. Ft.	07/21/23 10:27	NIOSH 7082
021	25-2	Wipe	Lead	8.5	5	ug/sq. Ft.	07/21/23 10:27	NIOSH 7082
022	26-1	Wipe	Lead	1,800	5	ug/sq. Ft.	07/21/23 10:27	NIOSH 7082
023	15-1	Wipe	Lead	33	5	ug/sq. Ft.	07/21/23 10:27	NIOSH 7082

Authorized Signature: Cherry Rossen

Cherry Rossen, Technical Manager

Note: Sample results have not been corrected for blank values.

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Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

EPA Method 7000B (1) = EPA 600/R-93/200 Preparation Modified. EPA 7000B Analysis Modified

EPA Method 7082 (2) = EPA 600/R-93/200 Preparation Modified. EPA 7082 Analysis Modified

Supplemental Report
QAQC Results

QA ID: 20811 **Date:** 7/21/2023 **Lab Number:** 360534
Test: Lead **Matrix:** Wipe **Approved By:** Cherry Rossen
Date Approved: 7/21/2023

Notes:

Blank Data:

Type of Blank	Blank Value
FCB	0
ICB	0
Matrix Blank 1	0
Matrix Blank 2	0

Standards Data:

Standard	Low Limit	Obtained	High Limit
CCV	2.2	2.7	2.8
FCV	2.2	2.8	2.8
RLVS	0.05	0.11	0.15
ICV	0.9	1	1.1

Duplicate Data:

Recovery Data:

Sample Number	Result	Spike Level	Result + Spike	% Recovery	Dup. Result + Spike	% Dup. Recovery	% Spike RPD
MS-W1	0.000	2.428	2.736	112.7	2.553	105.1	6.9
MS-W2	0.000	2.428	2.695	111.0	2.423	99.8	10.6

Cherry Rossen

Authorized Signature:_____

Cherry Rossen, Technical Manager

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Lab No. 360534
(Accept) Reject

Contact Information		Project Information	Report Results (☑ one box)
Company: Enercon Services Inc.	Phone:	Project Name: ODEQ-00036	☑ QuanTEM Website
Contact: Bene Baggett	Cell Phone: 405-834-2490	Project Location: Cherokee, OK	☑ Email bbaggett@enercon.com
Account #:	E-mail: bbaggett@enercon.com	Project ID:	☐ Other ____
SAMPLED BY: Name: Soloman Throckmorton	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
	7/20/23 1:57pm	hand		7/20/23 1:57

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	Sample Description	Volume or Area	Flame Atomic Absorption EPA 7000B: Paint Chips (○ wt% ○ ppm ○ mg/cm²)	Bulk (mg/kg)	Soil (mg/kg)	NIOSH 7082: Wipes (ug/ft²)	Air (µg /m³)	Other Analysis: TCLP - Pb	TCLP - RCRA 8	RCRA 8	Other
			Per Soloman Throckmorton 01 7/20 2:10									
1	16-1	Lead wipe	1 ft²				✓					
2	16-2											
3	16-3											
4	16-4											
5	16-5											
6	16-6											
7	16-7											
8	16-8											
9	16-9											
10	16-10											
11	17-1											

TURNAROUND TIME
☐ Same Day
☑ 24 - Hour
☐ 3 - Day
☐ 5 - Day

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Lab No. 360534
Accept Reject

Project Information

Company:	Project Name:	Project Location:

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	Sample Description	Volume or Area	Flame Atomic Absorption EPA 7000B: Paint Chips (wt% / ppm / mg/cm²)	Bulk (mg/kg)	Soil (mg/kg)	Flame Atomic Absorption NIOSH 7082: Wipes (ug/ft²)	Air (µg /m³)	Other Analysis: TCLP - Pb	TCLP - RCRA 8	RCRA 8	Other
12	17-2		1 ft²									
13	18-1											
14	19-1											
15	19-2											
16	19-3											
17	20-1											
18	20-2											
19	21-1											
20	25-1											
21	25-2											
22	26-1	↓					↓					
23												
24	15-1	↓					↓					
25												
26												
27												

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Lead Paint Lab Analysis
Round 2

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Environmental Chemistry Analysis Report

QuanTEM Set ID: 361048
Date Received: 08/03/23
Received By: Baylie Longstreth
Date Sampled:
Time Sampled:
Analyst: CR
Date of Report: 08/30/23

AIHA LAP, LLC: 101352

Client: Enercon - OKC
2302 S Prospect Ave
Oklahoma City, OK 73129

Acct. No.: A845

Project: Cherokee
Location: N/A
Project No.: N/A

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	1-2A	Wipe	Lead	7.1	5	ug/sq. Ft.	08/04/23 10:57	NIOSH 7082
002	1-3A	Wipe	Lead	10	5	ug/sq. Ft.	08/04/23 10:57	NIOSH 7082
003	3-1A	Wipe	Lead	8.1	5	ug/sq. Ft.	08/04/23 10:57	NIOSH 7082
004	14-8A	Wipe	Lead	11	5	ug/sq. Ft.	08/04/23 10:57	NIOSH 7082
005	14-9A	Wipe	Lead	6.2	5	ug/sq. Ft.	08/04/23 10:57	NIOSH 7082
006	14-10A	Wipe	Lead	5.5	5	ug/sq. Ft.	08/04/23 10:57	NIOSH 7082
007	16-1A	Wipe	Lead	<5.0	5	ug/sq. Ft.	08/04/23 10:57	NIOSH 7082
008	16-5A	Wipe	Lead	7.4	5	ug/sq. Ft.	08/04/23 10:57	NIOSH 7082
009	16-9A	Wipe	Lead	<5.0	5	ug/sq. Ft.	08/04/23 10:57	NIOSH 7082
010	17-1A	Wipe	Lead	150	5	ug/sq. Ft.	08/04/23 10:57	NIOSH 7082
011	17-2A	Wipe	Lead	200	5	ug/sq. Ft.	08/04/23 10:57	NIOSH 7082
012	18-1A	Wipe	Lead	34	5	ug/sq. Ft.	08/04/23 10:57	NIOSH 7082
013	19-3A	Wipe	Lead	11	5	ug/sq. Ft.	08/04/23 10:57	NIOSH 7082
014	21-1A	Wipe	Lead	<5.0	5	ug/sq. Ft.	08/04/23 10:57	NIOSH 7082
015	26-1A	Wipe	Lead	200	5	ug/sq. Ft.	08/04/23 10:57	NIOSH 7082
016	15-1A	Wipe	Lead	26	5	ug/sq. Ft.	08/04/23 10:57	NIOSH 7082

Note: Sample results have not been corrected for blank values.

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Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

EPA Method 7000B (1) = EPA 600/R-93/200 Preparation Modified. EPA 7000B Analysis Modified

EPA Method 7082 (2) = EPA 600/R-93/200 Preparation Modified. EPA 7082 Analysis Modified

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Environmental Chemistry Analysis Report

QuanTEM Set ID: 361048
Date Received: 08/03/23
Received By: Baylie Longstreth
Date Sampled:
Time Sampled:
Analyst: CR
Date of Report: 08/30/23

AIHA LAP, LLC: 101352

Client: Enercon - OKC
2302 S Prospect Ave
Oklahoma City, OK 73129

Acct. No.: A845

Project: Cherokee
Location: N/A
Project No.: N/A

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method

Authorized Signature: Cherry Rossen

Cherry Rossen, Technical Manager

Note: Sample results have not been corrected for blank values.

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Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

EPA Method 7000B (1) = EPA 600/R-93/200 Preparation Modified. EPA 7000B Analysis Modified

EPA Method 7082 (2) = EPA 600/R-93/200 Preparation Modified. EPA 7082 Analysis Modified

Supplemental Report
QAQC Results

QA ID: 20837 **Date:** 8/4/2023 **Lab Number:** 361048
Test: Lead **Matrix:** Wipe **Approved By:** Cherry Rossen
Date Approved: 8/4/2023

Notes:

Blank Data:

Type of Blank	Blank Value
FCB	0
ICB	0
Matrix Blank	0
Matrix Blank	0

Standards Data:

Standard	Low Limit	Obtained	High Limit
CCV	2.2	2.5	2.8
FCV	2.2	2.6	2.8
RLVS	0.05	0.09	0.15
ICV	0.9	1	1.1

Duplicate Data:

Recovery Data:

Sample Number	Result	Spike Level	Result + Spike	% Recovery	Dup. Result + Spike	% Dup. Recovery	% Spike RPD
MS-W1	0.000	2.428	2.521	103.8	2.707	111.5	7.1
MS-W2	0.000	2.428	2.757	113.6	2.754	113.4	0.1

Cherry Rossen

Authorized Signature:_____

Cherry Rossen, Technical Manager

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Lab No. 361048
(Accept) Reject

Contact Information		Project Information	Report Results (☑ one box)
Company: Enercon	Phone: 405 854-2490	Project Name: Cherokee	○ QuanTEM Website
Contact: Ben Bryant	Cell Phone:	Project Location:	✓ Email _____
Account #:	E-mail:	Project ID:	○ Other _____
SAMPLED BY: Name: [illegible]	Date: 8/3/23	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
[signature]	8/3/23	hand	[signature]	8/3/23 4:00

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	Sample Description	Volume or Area	Flame Atomic Absorption EPA 7000B: Paint Chips ○ wt% ○ ppm ○ mg/cm²	Bulk (mg/kg)	Soil (mg/kg)	NIOSH 7082: Wipes (ug/ft²)	Air (µg/m³)	Other Analysis: TCLP - Pb	TCLP - RCRA 8	RCRA 8	Other
1	1-2A		1 ft²				5					
2	1-3A		↓				↓					
3	3-1A											
4	14-8A											
5	14-9A											
6	14-10A											
7	16-1A											
8	16-7A											
9	16-9A											
10	17-1A											
11	17-2A		↓				↓					

TURNAROUND TIME
○ Same Day
✓ ~~24~~ - Hour
○ 3 - Day
○ 5 - Day

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Please Note - UPS and USPS are NOT available for Saturday Delivery

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For Lab Use Only
Lab No. 361048
Accept Reject

Project Information

Company: Enercon | Project Name: Cherokee | Project Location:

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	Sample Description	Volume or Area	Flame Atomic Absorption EPA 7000B: Paint Chips (wt% ○ ppm ○ mg/cm² ○)	Bulk (mg/kg)	Soil (mg/kg)	NIOSH 7082: Wipes (ug/ft²)	Air (µg/m³)	Other Analysis: TCLP - Pb	TCLP - RCRA 8	RCRA 8	Other
12	18-1A	↓	1sf				X					
13	19-2A		↓				↓					
14	21-3A	↓					↓					
15	20-4A						↓					
16	15-1A	↓	↓				↓					
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												

SATURDAY FEDEX SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"
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Lead Paint Lab Analysis
Round 3

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Environmental Chemistry Analysis Report

QuanTEM Set ID: 361967
Date Received: 08/30/23
Received By: Baylie Longstreth
Date Sampled:
Time Sampled:
Analyst: CR
Date of Report: 08/31/23

AIHA LAP, LLC: 101352

Client: Enercon - OKC
2302 S Prospect Ave
Oklahoma City, OK 73129

Acct. No.: A845

Project: N/A
Location: N/A
Project No.: N/A

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	17-2B	Wipe	Lead	79	5	ug/sq. Ft.	08/31/23 12:02	NIOSH 7082
002	18-1B	Wipe	Lead	18	5	ug/sq. Ft.	08/31/23 12:02	NIOSH 7082
003	19-3B	Wipe	Lead	<5.0	5	ug/sq. Ft.	08/31/23 12:02	NIOSH 7082
004	26-1B	Wipe	Lead	79	5	ug/sq. Ft.	08/31/23 12:02	NIOSH 7082
005	15-1B	Wipe	Lead	25	5	ug/sq. Ft.	08/31/23 12:02	NIOSH 7082

Authorized Signature: Cherry Rossen

Cherry Rossen, Technical Manager

Note: Sample results have not been corrected for blank values.

This report applies only to the standards or procedures indicated and to the specific samples tested. It is not indicative of the qualities of apparently identical or similar products or procedures, nor does it represent an ongoing assurance program unless so noted. These reports are for the exclusive use of the client and are not to be reproduced without specific written permission. QuanTEM is not responsible for user-supplied data used in calculations. Customer provided data such as volumes, areas, etc., cannot be verified by QuanTEM Laboratories, LLC.

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

EPA Method 7000B (1) = EPA 600/R-93/200 Preparation Modified. EPA 7000B Analysis Modified

EPA Method 7082 (2) = EPA 600/R-93/200 Preparation Modified. EPA 7082 Analysis Modified

Supplemental Report
QAQC Results

QA ID: 20883 **Date:** 8/31/2023 **Lab Number:** 361967
Test: Lead **Matrix:** Wipe **Approved By:** Cherry Rossen
Date Approved: 8/31/2023

Notes:

Blank Data:

Type of Blank	Blank Value
FCB	0
ICB	0
Matrix Blank	0

Standards Data:

Standard	Low Limit	Obtained	High Limit
CCV	2.2	2.7	2.8
FCV	2.2	2.6	2.8
RLVS	0.05	0.09	0.15
ICV	0.9	1.1	1.1

Duplicate Data:

Recovery Data:

Sample Number	Result	Spike Level	Result + Spike	% Recovery	Dup. Result + Spike	% Dup. Recovery	% Spike RPD
MS-W1	0.000	2.428	2.684	110.5	2.816	116.0	4.8

Authorized Signature: Cherry Rossen

Cherry Rossen, Technical Manager

LEAD CHAIN OF CUSTODY

QuanTEM LABORATORIES
www.QuanTEM.com
2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 361967
Accept Reject

Contact Information		Project Information	Report Results (☑ one box)
Company: Enercon	Phone: 405 858 2490	Project Name:	☐ QuanTEM Website
Contact: Ben Beggs II	Cell Phone:	Project Location:	☑ Email
Account #:	E-mail:	Project ID:	☐ Other
SAMPLED BY: Name: [illegible]	Date: 8/30/23	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
[signature]	8/30/23	hand	[signature]	8/30/23 2:10

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	Sample Description	Volume or Area	Flame Atomic Absorption EPA 7000B: Paint Chips (○ wt% ○ ppm ○ mg/cm²)	Bulk (mg/kg)	Soil (mg/kg)	NIOSH 7082: Wipes (ug/ft²)	Air (µg /m³)	Other Analysis: TCLP - Pb	TCLP - RCRA 8	RCRA 8	Other
1	17-2R		1 ea				X					
2	18-1R		〃				X					
3	19-3R		〃				X					
4	26-1R		〃				X					
5	15-1R		〃				X					
6												
7												
8												
9												
10												
11												

TURNAROUND TIME
☐ Same Day
☑ 24 - Hour
☐ 3 - Day
☐ 5 - Day

SATURDAY FEDEX SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"
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Lead Paint Lab Analysis-Round 4
(Post Acrylic Coatings)

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Environmental Chemistry Analysis Report

QuanTEM Set ID: 365492
Date Received: 01/15/24
Received By: Baylie Longstreth
Date Sampled:
Time Sampled:
Analyst:
Date of Report: 01/23/24

AIHA LAP, LLC: 101352

Client: Enercon - OKC
2302 S Prospect Ave
Oklahoma City, OK 73129

Acct. No.: A845

Project: Cherokee
Location: N/A
Project No.: N/A

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	14-8C	Wipe	Lead	< 2.0	**	ug/sq. Ft.	01/23/24 0:00	NIOSH 7082
002	17-1C	Wipe	Lead	< 2.0	**	ug/sq. Ft.	01/23/24 0:00	NIOSH 7082
003	17-2C	Wipe	Lead	< 2.0	**	ug/sq. Ft.	01/23/24 0:00	NIOSH 7082
004	18-1C	Wipe	Lead	< 2.0	**	ug/sq. Ft.	01/23/24 0:00	NIOSH 7082
005	26-1C	Wipe	Lead	< 2.0	**	ug/sq. Ft.	01/23/24 0:00	NIOSH 7082
006	15-1C	Wipe	Lead	< 2.0	**	ug/sq. Ft.	01/23/24 0:00	NIOSH 7082

**Report Limit for an undiluted 25 ml sample is 2ug Total Pb.

Analysis performed by Scientific Analytical Institute, Inc. Greensboro, NC
AIHA LAP Laboratory ID: LAP-173190

The quality control samples run with the samples in this report have passed all EPA required specifications unless otherwise noted.

Authorized Signature: _____

Dee Ammerman, Laboratory Manager

Note: Sample results have not been corrected for blank values.

This report applies only to the standards or procedures indicated and to the specific samples tested. It is not indicative of the qualities of apparently identical or similar products or procedures, nor does it represent an ongoing assurance program unless so noted. These reports are for the exclusive use of the client and are not to be reproduced without specific written permission. QuanTEM is not responsible for user-supplied data used in calculations. Customer provided data such as volumes, areas, etc., cannot be verified by QuanTEM Laboratories, LLC.

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

EPA Method 7000B (1) = EPA 600/R-93/200 Preparation Modified. EPA 7000B Analysis Modified

EPA Method 7082 (2) = EPA 600/R-93/200 Preparation Modified. EPA 7082 Analysis Modified

LEAD CHAIN OF CUSTODY

QuanTEM LABORATORIES
www.QuanTEM.com
2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 365492
Accept Reject

Contact Information		Project Information	Report Results (☑ one box)
Company: Enercon - OKC	Phone:	Project Name: Cherokee	○ QuanTEM Website
Contact: Ben Baggett	Cell Phone:	Project Location:	○ Email _____
Account #:	E-mail:	Project ID:	○ Other _____
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
		hand		1/12/24 9:30

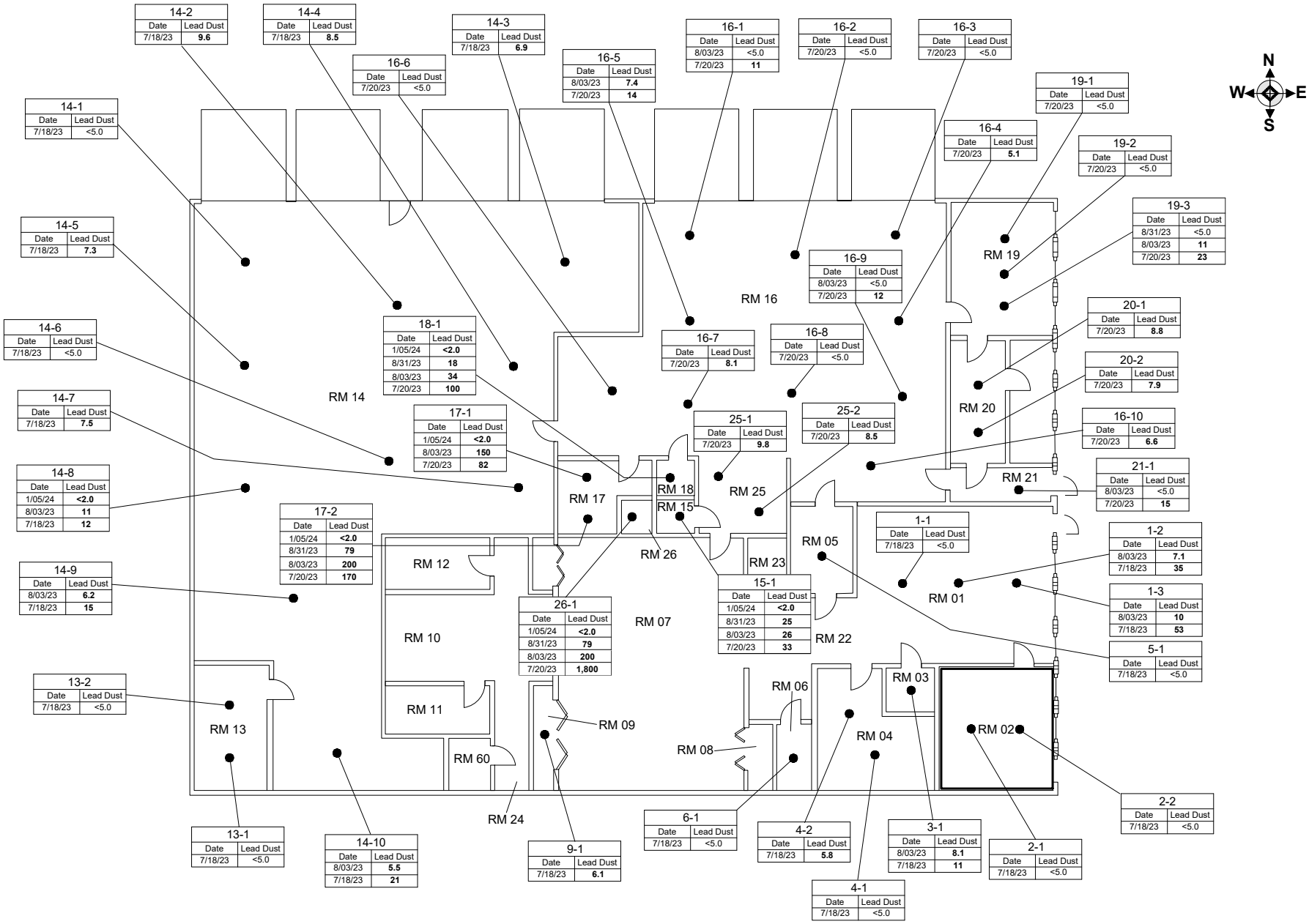
REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	Sample Description	Volume or Area	Flame Atomic Absorption EPA 7000B: Paint Chips (○ wt% ○ ppm ○ mg/cm²)	Bulk (mg/kg)	Soil (mg/kg)	NIOSH 7082: Wipes (ug/ft²)	Air (µg/m³)	Other Analysis: TCLP - Pb	TCLP - RCRA 8	RCRA 8	Other
1	14-8C		12"x12"				✓					
2	17-1C		↓				✓					
3	17-2C						✓					
4	18-1C						✓					
5	26-1C						✓					
6	15-1C						✓					
7												
8												
9												
10												
11												

TURNAROUND TIME
○ Same Day
○ 24 - Hour
○ 3 - Day
☑ 5 - Day

SATURDAY FEDEX SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"
Please Note - UPS and USPS are NOT available for Saturday Delivery

Figure 1-Lead Sample Locations



Client:
Department of Environmental Quality
Subject Property:
Cherokee Old Town Hall
121 North Grand Avenue
Cherokee, Oklahoma

LEGEND

RM	Room Number
● 1-1	Lead Wipe Sample Location and Designation
7/18/23	Date of Sample Collection
10	Concentration of Lead Dust in Micrograms per Square Foot (ug/sq. ft)
<	No Detectable Concentration Above the Laboratory Reporting Limit

ENERCON
Excellence—Every project. Every day.

Lead Wipe Sample Locations

Project No: ODEQ-00036 | *Completion Date: 01/05/24*

Tec-An, Inc.
Technical Environmental Consulting & Analysis

Daily Logs

Tec-An, Inc. 2517 South Purdue Ave, Oklahoma City, OK 73128
Office: (405) 681-7076
Website: www.Tec-An.com or Facebook: www.facebook.com/TecAnInc/

2304-04

TEC-AM, INC.
Technical Environmental Consulting & Analysis

Daily Supervisor Log Sheet

Date: 6-12-23 Start Time: 7a Stop Time: 7p

Day of the week: (circle one) M Tu W Th F Sa Su

Project Name: Lead paint removal/encapsulate Project Number: Cherokee City Hall

Project Supervisor: CHAD Number of Workers: 6

DOL Inspection: Yes ☐ No ☒ (circle one) Passed/Failed

Type of Inspection(circle one): Prep In-Progress Clearance Re-occupancy

Work Day Activity

At Shop loading up a few things for have a meeting then headed to the Site. Once there have 4 workers in Rm # 16 Starting encapsulation with Lead lock & the other 2 guys are outside doing the wet Scrape on the North Side exterior brick. By end of the day the Ceiling in Rm # 16 has the first Coat of Lead Sealer & the exterior brick is about 1/3 scraped

*Problems Encountered

General Notes/Supplies Needed/Meetings/Visitors

Weather Conditions: Temperature: (circle one) Sunny/Cloudy/Rain

Other:

Signature: [signature]

2304-04

TEC-AM, INC.
Technical Environmental Consulting & Analysis

Daily Supervisor Log Sheet

Date: 6-13-23 Start Time: 7a Stop Time: 7p

Day of the week: (circle one) M (Tu) W Th F Sa Su

Project Name: Lead paint removal / encapsulate Project Number: Cherokee City Hall

Project Supervisor: CHAD Number of Workers: 6

DOL Inspection: Yes ☐ No ☒ (circle one) Passed/Failed

Type of Inspection(circle one): Prep In-Progress Clearance Re-occupancy

Work Day Activity

At Site getting guys set back up & going with a 2nd Coat of encapsulant in Rm #16 & Continue to Scrape the North Side ext Brick. By end of the day the North Side ext brick is Scraped & a 2nd Coat of Sealer on the Ceiling of Rm #16

*Problems Encountered

General Notes/Supplies Needed/Meetings/Visitors

Weather Conditions: Temperature: (circle one) Sunny/Cloudy/Rain

Other:

Signature

2304-04

TOC-AM, Inc.
Technical Environmental Consulting & Analysis

Daily Supervisor Log Sheet

Date 6-14-23 Start Time: 7a Stop Time: 7pm

Day of the week: (circle one) M Tu (W) Th F Sa Su

Project Name Lead paint removal/encapsulate Project Number Cherokee City Hall

Project Supervisor CHAD Number of Workers: 6

DOL Inspection: Yes ☐ No ☒ (circle one) Passed/Failed

Type of Inspection(circle one): Prep In-Progress Clearance Re-occupancy

Work Day Activity

At Site having guys to go ahead and do 2 more coat on the ceiling of Rm # 16 & have 2 guys Starting with lead lock on the walls of Rm 16. At end of the day we have 2 Coats on the walls & 3/4 on the Ceiling from all the touch up items were having to work around.

*Problems Encountered

General Notes/Supplies Needed/Meetings/Visitors

Weather Conditions: Temperature: (circle one) Sunny/Cloudy/Rain

Other:

Signature

2304-04

TEC-AM, Inc.
Technical Environmental Consulting & Analysis

Daily Supervisor Log Sheet

Date: 6-15-23 Start Time: 7a Stop Time: 4p

Day of the week: (circle one) M Tu W (Th) F Sa Su

Project Name: Lead paint removal/encapsulate Project Number: Cherokee City Hall

Project Supervisor: CHAD Number of Workers: 6

DOL Inspection: Yes ☐ No ☒ (circle one) Passed/Failed

Type of Inspection(circle one): Prep In-Progress Clearance Re-occupancy

Work Day Activity

At Site having guys finish the 3rd coat on the ceiling of Rm #16 & having the others in Rms 19-21 to start sealing the plaster ceiling. 2st Coat in Rm #19 went well Rms 20 & 21 the paint just wanted to keep coming off so having to use a brush to put the first coat down on all 3 rooms. By end of the day we got the first coat in all 3 of these Rms & 1/2 of #1 as we had to brush that entire ceiling also.

*Problems Encountered

General Notes/Supplies Needed/Meetings/Visitors

Weather Conditions: Temperature: _____ (circle one) Sunny/Cloudy/Rain

Other: _____

Signature _____

Tec-An, Inc.
Technical Environmental Consulting & Analysis

Daily Supervisor Log Sheet

Date: 8-27-2023 Start Time: 7:30am Stop Time: 6pm

Day of the week: (circle one) M Tu W Th F Sa Su

Project Name: Cherokee, OK Project Number: _____

Project Supervisor: MW Number of Workers: _____

DOL Inspection: Yes ☐ No ☐ (circle one) Passed/Failed

Type of Inspection(circle one): Prep In-Progress Clearance Re-occupancy

Work Day Activity

Flooring on led paint, cleaned 3-4 times with simple green. Tested water sample and brought back with me.

***Problems Encountered**

General Notes/Supplies Needed/Meetings/Visitors

Weather Conditions: Temperature: _____ (circle one) Sunny/Cloudy/Rain

Other: _____

Signature: Michael Wilson

Tec-Am, Inc.
Technical Environmental Consulting & Analysis

2304-04

Daily Supervisor Log Sheet

Date: ~~Fri~~ August 1, 2, 2023 Start Time: 7:30am Stop Time: 5pm
Day of the week: (circle one) M (T) W Th F Sa Su
Project Name: Cherokee Ote Project Number: _____
Project Supervisor: MW Number of Workers: 4
DOL Inspection: Yes ☐ No ☐ (circle one) Passed/Failed
Type of Inspection(circle one): Prep In-Progress Clearance Re-occupancy

Work Day Activity

Tuesday 1 - Got supplies for trailer arrived in Cherokee, Ok 11:30 am, after ~~prepped~~ set up and prepped, moped and cleaned all areas twice.

Wednesday 2nd - We scrubbed floors with mean green, then we got three wrapped up in poly, then poured in 55 gallons barrels with dirty water, w/ led with filter and bettered out.

*Problems Encountered

General Notes/Supplies Needed/Meetings/Visitors

Weather Conditions: Temperature: _____ (circle one) Sunny/Cloudy/Rain
Other: _____

Signature: Michael Wilson

2304-04

TEC-AM, INC.
Technical Environmental Consulting & Analysis

Daily Supervisor Log Sheet

Date 6-8-23 Start Time: 7A Stop Time: 4p

Day of the week: (circle one) M Tu W (Th) F Sa Su

Project Name: Lead paint removal Project Number Cherokee City Hall

Project Supervisor: CHAD Number of Workers: 6

DOL Inspection: Yes ☐ No ☒ (circle one) Passed/Failed

Type of Inspection(circle one): Prep In-Progress Clearance Re-occupancy

Work Day Activity

At Site have all the guys in R-#16 getting ready for the wet Scrape. By end of the day everything is bulk Scraped just needs a little touch up Scraping in areas.

*Problems Encountered

General Notes/Supplies Needed/Meetings/Visitors

Weather Conditions: Temperature: (circle one) Sunny/Cloudy/Rain

Other:

Signature

2304-04

TEC-AM, INC.
Technical Environmental Consulting & Analysis

Daily Supervisor Log Sheet

Date: 6-7-23 Start Time: 7Am Stop Time: 7pm

Day of the week: (circle one) M Tu W Th F Sa Su

Project Name: Lead paint removal Project Number Cherokee City Hall

Project Supervisor: CHAD Number of Workers 6

DOL Inspection: Yes ☐ No ☒ (circle one) Passed/Failed

Type of Inspection(circle one): Prep In-Progress Clearance Re-occupancy

Work Day Activity
At Site having guys get Set to Start Wet Sanding in Rms # 19-21 Then 17, 18, 325
By end of the day these areas are ready for encapsulation.
Problems Encountered

General Notes/Supplies Needed/Meetings/Visitors

Weather Conditions: Temperature: _____ (circle one) Sunny/Cloudy/Rain

Other: _____

Signature: _____

2304-04

Tec-Am, Inc.
Technical Environmental Consulting & Analysis

Daily Supervisor Log Sheet

Date: 6-6-23 Start Time: 7a Stop Time: 3p

Day of the week: (circle one) M (T) W Th F Sa Su

Project Name: Prep for Lead paint Removal Project Number: Cherokee City Hall

Project Supervisor: CHD Number of Workers: 6

DOL Inspection: Yes ☐ No ☒ (circle one) Passed/Failed

Type of Inspection(circle one): Prep In-Progress Clearance Re-occupancy

Work Day Activity

As Site getting Set to Start wet Scraping in R 2-6. By end of the day those areas are ready for encapsulation

*Problems Encountered

General Notes/Supplies Needed/Meetings/Visitors

Weather Conditions: Temperature: _____ (circle one) Sunny/Cloudy/Rain

Other: _____

Signature: [signature]

2304-04

Tec-Am, Inc.
Technical Environmental Consulting & Analysis

Daily Supervisor Log Sheet

Date 6-5-23 Start Time: 7a Stop Time: 3p~

Day of the week: (circle one) M Tu W Th F Sa Su

Project Name: prep for lead paint removal Project Number Cherokee City Hall

Project Supervisor CHAO Number of Workers 6

DOL Inspection: Yes ☐ No ☒ (circle one) Passed/Failed

Type of Inspection(circle one): Prep In-Progress Clearance Re-occupancy

Work Day Activity

At Shop getting loaded up & headed to the Site - Once There Contacted CHaol the City Manager to get a key to the bldg. Now getting unloaded & Staged then having everyone Start laying drop Cloths in Rms #1-6 Then Rms #19-21 Then Rms #16, 17, 18, & 25. By end of the day all drop Cloths are in place

**Problems Encountered*

General Notes/Supplies Needed/Meetings/Visitors

Weather Conditions: Temperature: _____ (circle one) Sunny/Cloudy/Rain

Other: _____

Signature: [signature]

Tec-An, Inc.
Technical Environmental Consulting & Analysis

2304-04

Daily Supervisor Log Sheet

Date: 1-4-2024 Start Time: 0800Am Stop Time: 3:00pm

Day of the week: (circle one) M Tu W (Th) F Sa Su

Project Name: CHEROKEE CITY HALL LEAD Project Number: 2304-04

Project Supervisor: NUBINE Number of Workers: 3

DOL Inspection: Yes ☐ No ☑ (circle one) Passed/Failed

Type of Inspection(circle one): Prep In-Progress Clearance Re-occupancy

Work Day Activity

0800 - SHOP LOAD EQUIPMENT AND SUPPLIES
1055 - CHEROKEE CITY HALL - UNLOAD STAGE DON
PPE AND START CLEANING FLOOR RM 17 & 18
MOPING FLOOR LET DRY AND REPEAT
PROCESS 4 TIMES PUT WATER IN
WASTE CONTAINER (55 DRUM) AND MOP HEADS
IN A SEPARATE (DRUM). WORKER THEN
PROCEED TO PUT CLEAR COATING OF SEALER
ON FLOOR
LET DRY.
3:00pm STOP WORK

Problems Encountered

General Notes/Supplies Needed/Meetings/Visitors

Weather Conditions: Temperature: 50° (circle one) Sunny/Cloudy/Rain

Other:

Signature: Kenneth Nubine

2304-04

Tec-An, Inc.
Technical Environmental Consulting & Analysis

Daily Supervisor Log Sheet

Date: 1-3-2024 Start Time: 0800 AM Stop Time: 1000 AM

Day of the week: (circle one) M Tu W Th F Sa Su

Project Name: CHEROKEE CITY HALL LAB Project Number: 2304-04

Project Supervisor: ALIBENE Number of Workers: 3

DOL Inspection: Yes ☐ No ☑ (circle one) Passed/Failed

Type of Inspection(circle one): Prep In-Progress Clearance Re-occupancy

Work Day Activity

0800 - CITY HALL (CHEROKEE OK) WORKERS DON PPE AND PROCEED TO PUT 2ND COAT OF SEALER ON FLOOR
LOAD EQUIPMENT AND SUPPLIES
RETURN TO SHOP
1000 AM STOP WORK

*Problems Encountered

General Notes/Supplies Needed/Meetings/Visitors

Weather Conditions: Temperature: 30 (circle one) Sunny/Cloudy/Rain

Other: SNOW

Signature: Kenneth Albene

TEC-AN, INC.

General Journal Transaction

August 11, 2023

Num	Name	Memo	Account	Class	Debit	Credit
2302-17	OMES:2304-04 Ch... OH2023		6010 · Abatement ...		375.73	
			6010 · Abatement ...			375.73
					375.73	375.73
TOTAL					375.73	375.73

2304-04

Tec-Am, Inc.
Technical Environmental Consulting & Analysis

Daily Supervisor Log Sheet

Date: 6-19-23 Start Time: 7a Stop Time: 7p

Day of the week: (circle one) M Tu W Th F Sa Su

Project Name: Lead paint removal/encapsulate Project Number: Cherokee City Hall

Project Supervisor: CHAD Number of Workers: 6

DOL Inspection: Yes ☐ No ☒ (circle one) Passed/Failed

Type of Inspection(circle one): Prep In-Progress Clearance Re-occupancy

Work Day Activity

At Site having guys to start with the 2nd Coat on Rms #19-21 now that the 1st Coat has dried it's taking pretty good with a roller. So have 2 guys working that while the others continue brushing the first Coat on Rms 1-6. By end of the day the 2nd Coat has been applied to Rooms 19-21 & the first Coat on Rms 1,2,3.

*Problems Encountered

General Notes/Supplies Needed/Meetings/Visitors

Weather Conditions: Temperature: _____ (circle one) Sunny/Cloudy/Rain

Other: _____

Signature: _____

2304-04

TEC-AM, INC.
Technical Environmental Consulting & Analysis

Daily Supervisor Log Sheet

Date: 6-20-23 Start Time: 7am Stop Time: 7p

Day of the week: (circle one) M T W Th F Sa Su

Project Name: Lead paint removal / encapsulate Project Number Cherokee City Hall

Project Supervisor CHAD Number of Workers: 6

DOL Inspection: Yes ☐ No ☒ (circle one) Passed/Failed

Type of Inspection(circle one): Prep In-Progress Clearance Re-occupancy

Work Day Activity

Arr Site getting Set to put a 3rd Coat on the Ceilings of Rms 19-21 after Sealing the 3 wall piers within these rooms. Meanwhile the others are Continue to brush the first Coat in Rms 4, 5, & 6 once that task is Complete the guys in Rms 19-21 also put first Coat on the piers in Rm # 7 & 2

*Problems Encountered

General Notes/Supplies Needed/Meetings/Visitors

Weather Conditions: Temperature: _____ (circle one) Sunny/Cloudy/Rain

Other: _____

Signature: [signature]

2304-04

Tec-Am, Inc.
Technical Environmental Consulting & Analysis

Daily Supervisor Log Sheet

Date 6-21-22 Start Time: 7A Stop Time: 7p

Day of the week: (circle one) M Tu (W) Th F Sa Su

Project Name: Lead paint removal/encapsulate Project Number Cherokee City Hall

Project Supervisor: CHO Number of Workers: 6

DOL Inspection: Yes ☐ No ☒ (circle one) Passed/Failed

Type of Inspection(circle one): Prep In-Progress Clearance Re-occupancy

Work Day Activity

At Site having guys to put a 2nd Coat on all piers & Ceilings of Rms 1-6 & then once the 2nd Coat is finished leaving 3 guys there to apply the 3rd Coat meanwhile having 2 guys outside to Spray Seal the north Side ext brick & the other guy is unbolting the 3 ft Steel angel pieces along the North Side & Starting to wet Scrape them. By end of the day the 2nd Sealer Coat on the Ceilings 1-6 is complete we got the first ext Coat finished on the North Side & 1/2 of the Steel angles are wet Scrapped.

*Problems Encountered

General Notes/Supplies Needed/Meetings/Visitors

Weather Conditions: Temperature: _____ (circle one) Sunny/Cloudy/Rain

Other: _____

Signature [signature]

2304-04

TEC-AM, Inc.
Technical Environmental Consulting & Analysis

Daily Supervisor Log Sheet

Date: 6-22-23 Start Time: 7a Stop Time: 4p

Day of the week: (circle one) M Tu W (Th) F Sa Su

Project Name: Lead paint removal/encapsulate Project Number: Cherokee City Hall

Project Supervisor: CHAD Number of Workers: 6

DOL Inspection: Yes ☐ No ☒ (circle one) Passed/Failed

Type of Inspection(circle one): Prep In-Progress Clearance Re-occupancy

Work Day Activity

At Site having 3 guys Continue with the 3rd Coat of Sealer on Ceilings of Rms 1-6 then have 2 guys Continue to Seal 2nd & 3rd Coat if needed on the North Side ext & the other guy finishing the wet Scrape on the 3ft angle pieces then Coating them. By end of the day Ceilings 1-6 have the final Coat applied throughout ½ the rooms the final Coats have been applied on the North Side ext brick & all Steel 3ft angle pieces have been wet Scrapped & have 2 Coats applied.

*Problems Encountered

General Notes/Supplies Needed/Meetings/Visitors

Weather Conditions: Temperature: (circle one) Sunny/Cloudy/Rain

Other:

Signature:

2304-04

TEC-AM-ING
Technical Environmental Consulting & Analysis

Daily Supervisor Log Sheet

Date 6-26-23 Start Time: 7Am Stop Time: 4pm

Day of the week: (circle one) M Tu W Th F Sa Su

Project Name: Lead paint removal/encapsulation Project Number Cherokee City Hall

Project Supervisor: CHAD Number of Workers: 6

DOL Inspection: Yes ☐ No ☒ (circle one) Passed/Failed

Type of Inspection(circle one): Prep In-Progress Clearance Re-occupancy

Work Day Activity

At Site having 3 guys finish the 3rd Coats on Rms 1-6. We had the Coast dumpster So having the 2 guys load outs all the Coast debris in the bldg while the other guy finishes the final 2 Coats on the 3ft Steel angle pieces. Once thats done those 3 guys are pulling the transite on the North & East ext Sides of the bldg wrapping them & pulling them in the dumpster. Once all transite is removed they're ~~[illegible]~~ wet Scrapping & Sealing the lintels with 2 Coats & then putting up a poly barrier over the openings. By end of the day the 3rd Coats in Rms 1-6 are finished now having them to Seal the walls in Rms 1, 2, 4, 6, 22 & 5

*Problems Encountered

General Notes/Supplies Needed/Meetings/Visitors

Weather Conditions: Temperature:_____ (circle one) Sunny/Cloudy/Rain

Other:_____

Signature: [signature]

2304-04

TEC-AM, INC.
Technical Environmental Consulting & Analysis

Daily Supervisor Log Sheet

Date: 6-27-23 Start Time: 7a Stop Time: 4p

Day of the week: (circle one) M Tu W Th F Sa Su

Project Name: Lead paint removal/ encapsulation Project Number Cherokee City Hall

Project Supervisor: CHAD Number of Workers: 6

DOL Inspection: Yes ☐ No ☒ (circle one) Passed/Failed

Type of Inspection(circle one): Prep In-Progress Clearance Re-occupancy

Work Day Activity

At Site have 3 guys starting to seal the walls in Rms 1-6 & 22 the other 2 are adding another coat to the ext timbers & bet Scraping the East Side ext brick the last guy going ahead & putting a final coat on the 3ft Steel angle iron pieces. By end of the day the East Side Ext bet Scrape is done was going to start Sealing but rain has set in. So Shifting those guys inside to start bet Scraping Rms 17, 18, & 25. At end of the day the bet Scrape is ½ Complete in those rooms. Rms 1-6 & 22 only need 1 more Sealer Coat & the 3 ft angles are Completely Sealed just need to be bolted back on the Wall.

*Problems Encountered

General Notes/Supplies Needed/Meetings/Visitors

Weather Conditions: Temperature: (circle one) Sunny/Cloudy/Rain

Other:

Signature:

2304-04

Tec-An, Inc.
Technical Environmental Consulting & Analysis

Daily Supervisor Log Sheet

Date: 6-28-23 Start Time: 7am Stop Time: 4

Day of the week: (circle one) M Tu (W) Th F Sa Su

Project Name: Lead paint removal/encapsulation Project Number: Cherokee City Hall

Project Supervisor: CHAD Number of Workers: 5

DOL Inspection: Yes ☐ No ☒ (circle one) Passed/Failed

Type of Inspection(circle one): Prep In-Progress Clearance Re-occupancy

Work Day Activity

At Site having 3 guys finish the final Coat in Rms 1-6-322 the 4th guy bolting the angle pieces back to the wall & doing a little very minor touch up ~~paint~~ Sealer on them. I had 2 guy leave so rain has appeared to clear out for now putting the last guy with myself to mix & move paint as I Spray Coat the Coats Soot brick. I was able to get the first Coat of Sealer finished but airless gun is Shot & Can't finish until next week. The final Sealer Coat on the walls of Rms 1-6-322 are Complete. & the angle iron Pieces are re-attached

*Problems Encountered

General Notes/Supplies Needed/Meetings/Visitors

Weather Conditions: Temperature: (circle one) Sunny/Cloudy/Rain

Other:

Signature: [signature]

2304-04

TEC-AM, Inc.
Technical Environmental Consulting & Analysis

Daily Supervisor Log Sheet

Date: 6-29-23 Start Time: 7a Stop Time: 4p

Day of the week: (circle one) M Tu W (Th) F Sa Su

Project Name: Lead paint removal/encapsulation Project Number: Cherokee City Hall

Project Supervisor: CMO Number of Workers: 5

DOL Inspection: Yes ☐ No ☒ (circle one) Passed/Failed

Type of Inspection(circle one): Prep In-Progress Clearance Re-occupancy

Work Day Activity

At Site putting 2 guys on clean removal of the 2 Steele lead paint Safe door frames & set Scrape the doors the other 3 are removing & Wrapping the 3 wooden doors to rooms 17, 18, & 25 then using the heater to strip the 3 lead door frams. By end of the day the Lead removal within all 5 door frames are 1/2 Complete.

*Problems Encountered

General Notes/Supplies Needed/Meetings/Visitors

Weather Conditions: Temperature: (circle one) Sunny/Cloudy/Rain

Other:

Signature:

2304-01

TEC-AM, Inc.
Technical Environmental Consulting & Analysis

Daily Supervisor Log Sheet

Date: 7-5-23 Start Time: 7a Stop Time: 4p

Day of the week: (circle one) M Tu W Th F Sa Su

Project Name: Lead paint removal/encapsulation Project Number: Cherokee City Hall

Project Supervisor: CHAD Number of Workers: 6

DOL Inspection: Yes ☐ No ☒ (circle one) Passed/Failed

Type of Inspection(circle one): Prep In-Progress Clearance Re-occupancy

Work Day Activity

No Site being guys to finish lead removal on clear frames of Rm # 4, 17, 18, & 25 for have 2 guy outside Sealing the East Side for brick. By end of the day all brick Sealing is Complete as well as the lead paint on all clear frames 3 1/2 finished with the wet Scrape in Rms 17, 18, & 25 also got the Window frame & Sleeve deroad from Rm 17

*Problems Encountered

General Notes/Supplies Needed/Meetings/Visitors

Weather Conditions: Temperature: _____ (circle one) Sunny/Cloudy/Rain

Other: _____

Signature: _____

2304-04

TEC-AM, INC.
Technical Environmental Consulting & Analysis

Daily Supervisor Log Sheet

Date: 2-6-23 Start Time: 7am Stop Time: 4p

Day of the week: (circle one) M Tu W (Th) F Sa Su

Project Name: Lead paint removal/encapsulation Project Number: Cherokee City Hall

Project Supervisor: CHAD Number of Workers: 6

DOL Inspection: Yes ☐ No ☒ (circle one) Passed/Failed

Type of Inspection(circle one): Prep In-Progress Clearance Re-occupancy

Work Day Activity

At Site having 2 guys to start Sealing the door & frame of Rm 4 while the others finish the wet Scrape in Rms 17, 18 & 25 then they're Sealing the Ceiling walls & frames in all 3 Rooms. By end of the day the door & frame of Rm 4 needs 1 more Coat & the other 3 rms have 1 1/2 Coats of 3. By end of the day tomorrow the goal is to have everything finished out after then the park lines to be removed & clean all the floors.

*Problems Encountered

General Notes/Supplies Needed/Meetings/Visitors

Weather Conditions: Temperature: _____ (circle one) Sunny/Cloudy/Rain

Other: _____

Signature: [signature]

2304-04

Tec-Am, Inc.
Technical Environmental Consulting & Analysis

Daily Supervisor Log Sheet

Date: 2-7-23 Start Time: 7Am Stop Time: 4pm

Day of the week: (circle one) M Tu W Th (F) Sa Su

Project Name: Lead paint removal/encapsulation Project Number: Cherokee City Hall

Project Supervisor: CHAD Number of Workers: 5

DOL Inspection: Yes ☐ No ☒ (circle one) Passed/Failed

Type of Inspection(circle one): Prep In-Progress Clearance Re-occupancy

Work Day Activity

At Site having guys to ~~Cont~~ Continue applying Sealer to finish out the Coat requirements then Check any areas that need touched up also getting all the waste Sealed & into proper barrels with labeling.

*Problems Encountered

General Notes/Supplies Needed/Meetings/Visitors

Weather Conditions: Temperature: _____ (circle one) Sunny/Cloudy/Rain

Other: _____

Signature: [signature]

2304-04

TEC-AM, INC.
Technical Environmental Consulting & Analysis

Daily Supervisor Log Sheet

Date: 7-10-23 Start Time: 7am Stop Time: ~~5pm~~ 7:30p

Day of the week: (circle one) M Tu W Th F Sa Su

Project Name: Lead paint removal encapsulation Project Number Cherokee City Hall

Project Supervisor: CHAD Number of Workers: 7

DOL Inspection: Yes ☐ No ☒ (circle one) Passed/Failed

Type of Inspection(circle one): Prep In-Progress Clearance Re-occupancy

Work Day Activity

At Step 8 headed to the Site Once there having 3 guys go through & vac all the floors throughout as well as load up any equipment not being used. I Contacted DOL to Set up a inspection for the Safe as we're going to wrap it and remove a whole I have a inspection Set for Tuesday 8 to Clean the floors the Safe is in the way SO DOL Said after it's wrapped I Can move it to the Garage bay area. Guys are Cleaning floors 1-6 4 times then Sealing these areas off. Had 3 guys Wet Scrape SW wall Section of Rm 14 & apply first Coat of Sealer.

*Problems Encountered

General Notes/Supplies Needed/Meetings/Visitors

Weather Conditions: Temperature: _____ (circle one) Sunny/Cloudy/Rain

Other: _____

Signature: [signature]

2304-04

TEC-AM, Inc.
Technical Environmental Consulting & Analysis

Daily Supervisor Log Sheet

Date: 7-11-23 Start Time: 7a Stop Time: 8p

Day of the week: (circle one) M Tu W Th F Sa Su

Project Name: _____ Project Number Cherokee City Hall

Project Supervisor: _____ Number of Workers: _____

DOL Inspection: Yes [X] No [ ] (circle one) Passed/Failed Clark Boswell

Type of Inspection(circle one): Prep In-Progress Clearance Re-occupancy

Work Day Activity

At Site having guys to Start Cleaning floors 19-20 we got them finished out before DOL Showed up to oversee the loading of the Safe onto a flatbed trailer. once that's Complete having the guys to Start the parking line removal inside R 16 & 14 also along the north side exterior. Once the parking are removed here now Cleaning the floor in R 16 & finishing the Lead Sector on the SW wall of R 14 & Started Hepa Vacing R 14

*Problems Encountered

General Notes/Supplies Needed/Meetings/Visitors

Weather Conditions: Temperature: _____ (circle one) Sunny/Cloudy/Rain

Other: _____

Signature _____

2304-04

Tec-Am, Inc.
Technical Environmental Consulting & Analysis

Daily Supervisor Log Sheet

Date: 7-12-23 Start Time: 6am Stop Time: 8:30pm

Day of the week: (circle one) M Tu W Th F Sa Su

Project Name: Lead paint removal/encapsulation Project Number: Chardon City Hall

Project Supervisor: CHAD Number of Workers: 7

DOL Inspection: Yes ☐ No ☒ (circle one) Passed/Failed

Type of Inspection(circle one): Prep In-Progress Clearance Re-occupancy

Work Day Activity

At Site having guys to Vac Rm 14 then washing rinse & mopping 4 times after the initial Vac also as we move through all the rooms having to clean up paint splatter on the floors throughout. Once that area is clean had a couple guys begin vac Rms 9, 10, 11, 12, & 24 while the other guys are cleaning Rms 17, 18, & 25. First thing in the morning we'll start cleaning the floor strip just outside Rm 17 Straight over to Rm 20 & 19 where I have the waste staged then finish out with Rm 21 working our way out of the bldg. Ben Baggett with Emerson Stand up & said they'd probly start sampling today & tomorrow.

*Problems Encountered

General Notes/Supplies Needed/Meetings/Visitors

Weather Conditions: Temperature: _____ (circle one) Sunny/Cloudy/Rain

Other: _____

Signature: [signature]

2304-04

Tec-An, Inc.
Technical Environmental Consulting & Analysis

Daily Supervisor Log Sheet

Date: 7-13-23 Start Time: 7a Stop Time: 12p

Day of the week: (circle one) M Tu W (Th) F Sa Su

Project Name: Lead paint removal / encapsulation Project Number Cherokee City Hall

Project Supervisor: CHD Number of Workers: 7

DOL Inspection: Yes ☐ No ☒ (circle one) Passed/Failed

Type of Inspection(circle one): Prep In-Progress Clearance Re-occupancy

Work Day Activity

At Site bring guys to Clean the floor Strip from R. 17 down & along Rms 20 & 19 then the last Rm ~~last~~ we're Cleaning is Rm #21 on the way out. Ben with Evercon Should back up this morning so I gave him a run down on everything. We also power washed the East Side Side walk for loading everything up & hauled back to the City I'd already called for pick up on the lifts & they were picked up before we left today also Told Grayson to Call for a pick up on the porta john & we've Called for a pick up on the Const dumpster 2 weeks ago I also reminded Grayson about it this week until we receive Sample results all work tasks are Complete.

*Problems Encountered

General Notes/Supplies Needed/Meetings/Visitors

Weather Conditions: Temperature: (circle one) Sunny/Cloudy/Rain

Other:

Signature:

2304-04

Tec-Am, Inc.
Technical Environmental Consulting & Analysis

Daily Supervisor Log Sheet

Date: 7-17-23 Start Time: 8a Stop Time: 12p

Day of the week: (circle one) M Tu W Th F Sa Su

Project Name: Unload equipment & Supplies Project Number: Cherokee City Hall

Project Supervisor: CHD Number of Workers: 3

DOL Inspection: Yes ☐ No ☒ (circle one) Passed/Failed

Type of Inspection(circle one): Prep In-Progress Clearance Re-occupancy

Work Day Activity

At Shop unloading all equipment & Supplies & putting everything away.

*Problems Encountered

General Notes/Supplies Needed/Meetings/Visitors

Weather Conditions: Temperature: _____ (circle one) Sunny/Cloudy/Rain

Other: _____

Signature: [signature]

Tec-An, Inc.
Technical Environmental Consulting & Analysis

DOL Paperwork

Tec-An, Inc. 2517 South Purdue Ave, Oklahoma City, OK 73128
Office: (405) 681-7076
Website: www.Tec-An.com or Facebook: www.facebook.com/TecAnInc/

2304-04

Oklahoma Department of Labor

Leslie Osborn
COMMISSIONER OF LABOR

August 21, 2023

TEC-AN Inc
2517 South Purdue
Oklahoma City, OK 73128

Under the authority of Title 40, Sections 450 and 456, Oklahoma Statutes as Amended, the Oklahoma State Department of Labor has determined that the asbestos abatement project consisting of:

3	**cubic yards of ACM**
	cubic feet of ACM
	square feet of ACM
	linear feet of ACM:
At:	**Cherokee Town Hall-Safe**
Owned by:	**City of Cherokee**
Start Date:	**7/11/2023** **End Date:** **7/11/2023**
Project No:	**20230306**

has been completed in accordance with the Rules for Abatement of Friable Asbestos Materials.

Inspector has reviewed the project documentation, and recommend acceptance and closure of the project file.

Inspector Carl Boswell Date 8/21/2023

Director Beverly Hart Date 8.21.2023

2304-04

Oklahoma Department of Labor
www.labor.ok.gov

Oklahoma City
3017 North Stiles, Suite 100
Oklahoma City, OK 73105
405-521-6464
888-269-5353
Fax 405-521-6025

Consultation/Investigation Form

ODOL Project #: 23-0306

Facility: Cherokee Town Hall | Date: 7 - 11 - 2023 | Time: 11 : 30

Contractor No. 110157 | County No.: | FY: 2023

Address/Location: 121 N Grand | Address/City: Cherokee

Owner/Occupant: City of Cherokee | Contractor: Tec Air

Contact Person: | Contractor's Rep.: Chad Niccum

Facility Phone No.: (580) 596-3052 | Contractor's Phone No.: (405) 584-1154

1. Description of Area: Vacant building undergoing renovations requiring the wrapping of existing safe with (2) layers of 6-mil reinforced poly and disposing at a regulated landfill.

2. Description of Incident or Special Circumstances: On site to verify the wrapping and loading onto disposal vehicle of the safe.

3. Amount of ACM Involved: Unknown. Door interior is lined with asbestos containing material (approximately 15 SF of door insulation).

4. Required Insolation Procedures: Material is encased inside metal exterior. Entire safe has been wrapped with (2) layers of 6mil reinforced poly.

5. Respiratory Protection Requirements: N/A

6. Air Monitoring Requirements: N/A

7. ODOL Required Procedures: Dispose of safe at designated landfill at 7600 SW 15th St. in Oklahoma City, OK - Waste Connections.

8. Violations Noted: N/A

Inspector's Signature

Contractor's or Owner's Signature

Tec-An, Inc.
Technical Environmental Consulting & Analysis

Waste Manifest

Tec-An, Inc. 2517 South Purdue Ave, Oklahoma City, OK 73128
Office: (405) 681-7076
Website: www.Tec-An.com or Facebook: www.facebook.com/TecAnInc/

2304-04

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

WASTE CONNECTIONS INC.
Connect with the Future®

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOTasbestos waste, complete only Sections I, II and III. Tare, Wt. _____ No. 1030752

Section I GENERATOR (Generator completes all of Section I)

a. Generator Name: City of Cherokee
b. Generating Location: Cherokee Town Hall
c. Address: 401 W. Owen K. Garriot Enid Ok
d. Address: 121 N. Grand Cherokee Ok
e. Phone No.: 580-596-3052
f. Phone No.: 580-596-3052

If owner of the generating facility differs from the generator, provide:

g. Owner's Name: City of Cherokee
h. Purchase Order No.: _____

i. WC WASTE CODE: OK-23-2

j. Description of Waste: Safe lined with Asbestos Wrapped in 2 layers 6mil reinforced poly & labeled

k. Quantity: 03 Units: Y³ Containers No.: 01 TYPE: BA

TYPE
DM - METAL DRUM
DP - PLASTIC DRUM
B - BAG
BA - 6 MIL. PLASTIC BAG or WRAP
T - TRUCK
O - OTHER

UNITS
P - POUNDS
Y - YARDS
M³ - CUBIC METERS
Y³ - CUBIC YARDS
O - OTHER

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

CHAD Niccum — Generator Authorized Agent Name
Signature
07 11 23 — Shipment Date

Section II TRANSPORTER (Generator complete a-d; Transporter I complete e-g) Transporter II complete h-n)

TRANSPORTER I

a. Name: Tec-An
b. Address: 2517 S. purdue Okc, Ok, 73128
c. Driver Name/Title: CHAD Niccum
d. Phone No.: 405-681-7076
e. Truck No.: TA 2511
f. Vehicle License No./State: ITx-815 Ok
Acknowledgment of Receipt of Materials:
g. Driver Signature
07 13 23 — Shipment Date

TRANSPORTER II

h. Name: _____
i. Address: Same
j. Driver Name/Title: Anthony Johnson
k. Phone No.: 405-681-7076
l. Truck No.: Ta-2511
m. Vehicle License No./State: ITx-815 Ok
Acknowledgment of Receipt of Materials:
n. Driver Signature
07 17 23 — Shipment Date

Section III DESTINATION (Generator completes a-d; destination site completes e-f.

a. Site Name: **WASTE CONNECTIONS**
c. Phone No.: **(405) 745-3091**
b. Physical Address: **Oklahoma City Landfill**
d. Fax No.: **(405) 745-3611**
7600 S.W. 15th • Oklahoma City, OK 73128

e. Discrepancy Indication Space: _____

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

f. Name of Authorized Agent
Signature
07 17 23 — Receipt Date
02/2203178

Section IV ASBESTOS (Generator completes a-d; f, g. Shipper* completes e.

a. Shipper's* Name: Tec-An
b. Shipper's* Phone No.: 405-681-7076
c. Shipper's* Address: 2517 S. purdue Okc, Ok, 73128
d. Shipper's* Special Handling Instructions and additional information: 1/2 face resp & disposal Coveralls

CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

e. Shipper's* Name & Title: CHAD Niccum
b. Shipper's* Phone No.: 405-681-7076
07 11 23 — Date
f. Name and Address of Responsible Agency: City OF Cherokee 401 W. Owen K. Garriot Enid Ok
g. ☒ Friable; ☐ Non-friable; ☐ Both _____% friable _____% nonfriable

*Shipper refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

WC1000 (Rev. 11/17)

WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH2717532

A. GENERAL INFORMATION

GENERATOR EPA ID #/REGISTRATION # *Pending*
GENERATOR NAME: *City of Cherokee, Oklahoma*
GENERATOR CODE (Assigned by Clean Harbors) *CI434152*
CITY *Cherokee* STATE/PROVINCE *OK* ZIP/POSTAL CODE *73728*
ADDRESS *112 N. Grand Ave.*
PHONE: *(405) 282-8510*
CUSTOMER CODE (Assigned by Clean Harbors) *EM000047*
CUSTOMER NAME: *Environmental Management Inc*
ADDRESS *5200 NE Highway 33 PO Box 700*
CITY *Guthrie* STATE/PROVINCE *OK* ZIP/POSTAL CODE *73044*

B. WASTE DESCRIPTION

WASTE DESCRIPTION: *Paint scrapings and debris*

PROCESS GENERATING WASTE: **Lead-based paint removal**

IS THIS WASTE CONTAINED IN SMALL PACKAGING CONTAINED WITHIN A LARGER SHIPPING CONTAINER ? No

C. PHYSICAL PROPERTIES (at 25C or 77F)

PHYSICAL STATE
- [x] SOLID WITHOUT FREE LIQUID
- [ ] POWDER
- [ ] MONOLITHIC SOLID
- [ ] LIQUID WITH NO SOLIDS
- [ ] LIQUID/SOLID MIXTURE
- % FREE LIQUID
- % SETTLED SOLID
- % TOTAL SUSPENDED SOLID
- [ ] SLUDGE
- [ ] GAS/AEROSOL

NUMBER OF PHASES/LAYERS
1 2 3
% BY VOLUME (Approx.)
TOP *0.00*
MIDDLE *0.00*
BOTTOM *0.00*

VISCOSITY (If liquid present)
- 1 - 100 (e.g. Water)
- 101 - 500 (e.g. Motor Oil)
- 501 - 10,000 (e.g. Molasses)
- > 10,000

COLOR
various

ODOR
- [ ] NONE
- [x] MILD
- [ ] STRONG

Describe:

BOILING POINT °F (°C)
- <= 95 (<=35)
- 95 - 100 (35-38)
- 101 - 129 (38-54)
- >= 130 (>54)

MELTING POINT °F (°C)
- < 140 (<60)
- 140-200 (60-93)
- [x] > 200 (>93)

TOTAL ORGANIC CARBON
- [x] <= 1%
- 1-9%
- >= 10%

FLASH POINT °F (°C)
- < 73 (<23)
- 73 - 100 (23-38)
- 101 -140 (38-60)
- 141 -200 (60-93)
- > 200 (>93)

pH
- <= 2
- 2.1 - 6.9
- [x] 7 (Neutral)
- 7.1 - 12.4
- >= 12.5

SPECIFIC GRAVITY
- < 0.8 (e.g. Gasoline)
- 0.8-1.0 (e.g. Ethanol)
- 1.0 (e.g. Water)
- 1.0-1.2 (e.g. Antifreeze)
- [x] > 1.2 (e.g. Methylene Chloride)

ASH
- [x] < 0.1
- 0.1 - 1.0
- 1.1 - 5.0
- 5.1 - 20.0
- > 20
- Unknown

BTU/LB (MJ/kg)
- [x] < 2,000 (<4.6)
- 2,000-5,000 (4.6-11.6)
- 5,000-10,000 (11.6-23.2)
- > 10,000 (>23.2)

Actual:

D. COMPOSITION (List the complete composition of the waste, include any inert components and/or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

CHEMICAL	MIN	--	MAX	UOM
DEBRIS (ABSORBANT,RAGS, BRUSHES, PPE)	5.0000000	--	10.0000000	%
LEAD (FROM PAINT)	5.0000000	--	10000.0000000	PPM
PAINT SCRAPINGS CONTAINING LEAD	80.0000000	--	80.0000000	%
WOOD BOARD	5.0000000	--	10.0000000	%

DOES THIS WASTE CONTAIN ANY HEAVY GAUGE METAL DEBRIS OR OTHER LARGE OBJECTS (EX., METAL PLATE OR PIPING >1/4" THICK OR >12" LONG, METAL REINFORCED HOSE >12" LONG, METAL WIRE >12" LONG, METAL VALVES, PIPE FITTINGS, CONCRETE REINFORCING BAR OR PIECES OF CONCRETE >3")? YES [x] NO

If yes, describe, including dimensions:

DOES THIS WASTE CONTAIN ANY METALS IN POWDERED OR OTHER FINELY DIVIDED FORM? YES [x] NO

DOES THIS WASTE CONTAIN OR HAS IT CONTACTED ANY OF THE FOLLOWING; ANIMAL WASTES, HUMAN BLOOD, BLOOD PRODUCTS, BODY FLUIDS, MICROBIOLOGICAL WASTE, PATHOLOGICAL WASTE, HUMAN OR ANIMAL DERIVED SERUMS OR PROTEINS OR ANY OTHER POTENTIALLY INFECTIOUS MATERIAL? YES [x] NO

I acknowledge that this waste material is neither infectious nor does it contain any organism known to be a threat to human health. This certification is based on my knowledge of the material. Select the answer below that applies:

The waste was never exposed to potentially infectious material. YES NO

Chemical disinfection or some other form of sterilization has been applied to the waste. YES NO

I ACKNOWLEDGE THAT THIS PROFILE MEETS THE CLEAN HARBORS BATTERY PACKAGING REQUIREMENTS. YES NO

I ACKNOWLEDGE THAT MY FRIABLE ASBESTOS WASTE IS DOUBLE BAGGED AND WETTED. YES NO

SPECIFY THE SOURCE CODE ASSOCIATED WITH THE WASTE. *G19*

SPECIFY THE FORM CODE ASSOCIATED WITH THE WASTE. *W406*

E. CONSTITUENTS

Are these values based on testing or knowledge? ☑ Knowledge ☐ Testing

If based on knowledge, please describe in detail, the rationale applied to identify and characterize the waste material. Please include reference to Material Safety Data Sheets (MSDS) when applicable. Include the chemical or trade-name represented by the MSDS, and or detailed process or operating procedures which generate the waste.

Material field tested positive for lead-based paint prior to remediation. Levels above TCLP assumed.

Please indicate which constituents below apply. Concentrations must be entered when applicable to assist in accurate review and expedited approval of your waste profile. Please note that the total regulated metals and other constituents sections require answers.

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL	UOM	NOT APPLICABLE
D004	ARSENIC	5.0				☑
D005	BARIUM	100.0				☑
D006	CADMIUM	1.0				☑
D007	CHROMIUM	5.0				☑
D008	LEAD	5.0	5.0000	10000.0000000	PPM	
D009	MERCURY	0.2				☑
D010	SELENIUM	1.0				☑
D011	SILVER	5.0				☑

	VOLATILE COMPOUNDS	
D018	BENZENE	0.5
D019	CARBON TETRACHLORIDE	0.5
D021	CHLOROBENZENE	100.0
D022	CHLOROFORM	6.0
D028	1,2-DICHLOROETHANE	0.5
D029	1,1-DICHLOROETHYLENE	0.7
D035	METHYL ETHYL KETONE	200.0
D039	TETRACHLOROETHYLENE	0.7
D040	TRICHLOROETHYLENE	0.5
D043	VINYL CHLORIDE	0.2

	SEMI-VOLATILE COMPOUNDS	
D023	o-CRESOL	200.0
D024	m-CRESOL	200.0
D025	p-CRESOL	200.0
D026	CRESOL (TOTAL)	200.0
D027	1,4-DICHLOROBENZENE	7.5
D030	2,4-DINITROTOLUENE	0.13
D032	HEXACHLOROBENZENE	0.13
D033	HEXACHLOROBUTADIENE	0.5
D034	HEXACHLOROETHANE	3.0
D036	NITROBENZENE	2.0
D037	PENTACHLOROPHENOL	100.0
D038	PYRIDINE	5.0
D041	2,4,5-TRICHLOROPHENOL	400.0
D042	2,4,6-TRICHLOROPHENOL	2.0

	PESTICIDES AND HERBICIDES	
D012	ENDRIN	0.02
D013	LINDANE	0.4
D014	METHOXYCHLOR	10.0
D015	TOXAPHENE	0.5
D016	2,4-D	10.0
D017	2,4,5-TP (SILVEX)	1.0
D020	CHLORDANE	0.03
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008

OTHER CONSTITUENTS	MAX	UOM	NOT APPLICABLE
BROMINE			☑
CHLORINE			☑
FLUORINE			☑
IODINE			☑
SULFUR			☑
POTASSIUM			☑
SODIUM			☑
AMMONIA			☑
CYANIDE AMENABLE			☑
CYANIDE REACTIVE			☑
CYANIDE TOTAL			☑
SULFIDE REACTIVE			☑

HOCs

☑ NONE
☐ < 1000 PPM
☐ >= 1000 PPM

PCBs

☑ NONE
☐ < 50 PPM
☐ >=50 PPM

IF PCBS ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?

YES ☑ NO

ADDITIONAL HAZARDS

DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?

YES ☑ NO (If yes, explain)

CHOOSE ALL THAT APPLY

DEA REGULATED SUBSTANCES ☐ EXPLOSIVE ☐ FUMING ☐ OSHA REGULATED CARCINOGENS ☐

POLYMERIZABLE	RADIOACTIVE	REACTIVE MATERIAL	☑ NONE OF THE ABOVE

F. REGULATORY STATUS

☑ YES ☐ NO USEPA HAZARDOUS WASTE?
D008

☐ YES ☑ NO DO ANY STATE WASTE CODES APPLY?

Texas Waste Code OUTS319H

☐ YES ☑ NO DO ANY CANADIAN PROVINCIAL WASTE CODES APPLY?

☑ YES ☐ NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?

LDR CATEGORY: This is subject to LDR.
VARIANCE INFO:

☐ YES ☑ NO IS THIS A UNIVERSAL WASTE?

☐ YES ☑ NO IS THE GENERATOR OF THE WASTE CLASSIFIED AS A VERY SMALL QUANTITY GENERATOR (VSQG) OR A STATE EQUIVALENT DESIGNATION?

☐ YES ☐ NO IS THIS MATERIAL GOING TO BE MANAGED AS A RCRA EXEMPT COMMERCIAL PRODUCT, WHICH IS FUEL (40 CFR 261.2 (C)(2)(II))?

☐ YES ☑ NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?

☑ YES ☐ NO IS THIS WASTE STREAM PROHIBITED FROM INCINERATION BASED ON THE INORGANIC METAL BEARING WASTE PROHIBITION FOUND AT 40 CFR 268.3(C)?

☐ YES ☑ NO IS THIS WASTE STREAM "USED OIL" WHICH IS TO BE MANAGED UNDER 40 CFR PART 279 - STANDARDS FOR THE MANAGEMENT OF USED OIL?

☐ YES ☑ NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?

☐ YES ☐ NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?

☐ YES ☑ NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE > 76.6 KPA (11.1 PSIA)?

☐ YES ☑ NO IS THIS CERCLA REGULATED (SUPERFUND) WASTE ?

☐ YES ☑ NO IS THE WASTE SUBJECT TO ONE OF THE FOLLOWING NESHAP RULES?

Hazardous Organic NESHAP (HON) rule (subpart G) Pharmaceuticals production (subpart GGG)

☐ YES ☑ NO IF THIS IS A US EPA HAZARDOUS WASTE, DOES THIS WASTE STREAM CONTAIN BENZENE?

YES NO Does the waste stream come from a facility with one of the SIC codes listed under benzene NESHAP or is this waste regulated under the benzene NESHAP rules because the original source of the waste is from a chemical manufacturing, coke by-product recovery, or petroleum refinery process?

YES NO Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) >10 Mg/year?

What is the TAB quantity for your facility? ____ Megagram/year (1 Mg = 2,200 lbs)

The basis for this determination is: Knowledge of the Waste Or Test Data Knowledge Testing

Describe the knowledge :

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:

NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (LEAD), 9, PG III

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY ☑ ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY OTHER

☑ **CONTAINERIZED**

4-4 CONTAINERS/SHIPMENT

STORAGE CAPACITY:

CONTAINER TYPE:

PORTABLE TOTE TANK BOX|CARTON|CASE

CUBIC YARD BOX ☑ DRUM

OTHER:

DRUM SIZE: 55

BULK LIQUID

GALLONS/SHIPMENT: 0 Min -0 Max GAL.

BULK SOLID

SHIPMENT UOM: TON YARD

TONS/YARDS/SHIPMENT: 0 Min - 0 Max

I. SPECIAL REQUEST

COMMENTS OR REQUESTS:

GENERATOR'S CERTIFICATION

I certify that I am authorized to execute this document as an authorized agent. I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge.I also certify that any samples submitted are representative of the actual waste.If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE	NAME (PRINT)	TITLE	DATE
jnewton@emiok.com	jnewton@emiok.com		2/2/2024 12:00 AM

This waste profile has been submitted using Clean Harbors' electronic signature system.

*40 CFR Sec. 264.12 required notice:

As required by Federal Resource Conservation and Recovery Act regulations found in 40 CFR Part 264.12(b) and all equivalent State hazardous waste regulations, notice is hereby provided that all Clean Harbors facilities that may be used to treat, store, and /or dispose of the hazardous waste described on this waste profile have the appropriate permits and the capacity to manage these wastes.

Please note this profile must be submitted for re-evaluation if there has been a change in the waste generating process or when there have been changes in the chemical composition or physical characteristics of the material.

Addendum

D. COMPOSITION

F. REGULATORY STATUS

Environmental
MANAGEMENT

Tuesday, January 30, 2024

Grayson Cook
Tec-An, Inc.
2517 South Purdue Ave.
Oklahoma City, OK 73128

Mr. Cook,

Thank you for choosing Environmental Management, Inc. for your lead waste disposal needs. The estimate outlined below encompasses the comprehensive services of collecting, loading, transporting, and disposing of your lead paint waste materials, derived from the information provided via your emails.

The scope of work is for an EMI crew consisting of one (1) HAZWOPER Technician and one (1) HAZWOPER Technician with HAZMAT CDL to travel to the site you specified in Cherokee, OK, load four (4) 55-gallon drums containing lead-contaminated waste, and deliver them to a disposal facility for proper treatment and disposal. The estimated total cost for this service is $6,500.00, calculated based on the specified unit rates below.

Should you have any questions or require any additional information, please do not hesitate to contact me via email, or feel free to call me at 405-466-5667. It's important to note that the estimate for this project is subject to credit approval by our finance department.

Thank you for your trust in Environmental Management, Inc. We look forward to assisting you with your waste disposal needs.

Respectfully,

Preston L. Bobo

Preston L Bobo

Environmental Management

Unit Rate

Personnel:	
Project Manager	$120.00
HAZWOPER Technician	$76.00
HAZWOPER Technician with HAZMAT CDL	$86.00
Partial per diem	$30.00
Equipment:	
Box Truck with lift gate/hour	$85.00
Hand tools	$20.00
EPA Level D PPE/employee	$35.00
Fuel Surcharge	21.0%
Insurance and Environmental fee	7.0%
Disposal Fee:	
Lead contaminated waste/55-gallon drum	$575.00
Profile approval fee	$125.00
eManifest fee	$27.00

Please sign below and return. Your signature indicates acceptance and approval of the estimate as provided.

Grayson Cook — Print name

Signature

1-31-2024 — Date

Tec-An, Inc.
Technical Environmental Consulting & Analysis

Test Result

Tec-An, Inc. 2517 South Purdue Ave, Oklahoma City, OK 73128
Office: (405) 681-7076
Website: www.Tec-An.com or Facebook: www.facebook.com/TecAnInc/

Laboratory Analytical Report

ENVIRONMENTAL TESTING, INC.
4619 N. Santa Fe Ave
Oklahoma City, OK 73118
405.488.2400 Phone
405.488.2404 Fax
www.etilab.com

16 February 2024

Mr. Grayson Cook
Tec-An Inc.
2517 S. Purdue Ave.
Oklahoma City, OK 73128

WO: E4B0199
RE: 119 N. Grand Ave., Cherokee, OK

Enclosed are the results of analyses for samples received by the laboratory on 2/13/2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Keith Hopcus For Russell Britten
CEO

Original (P)
E4B0199

ENVIRONMENTAL TESTING, INC.

4619 N. Santa Fe Ave
Oklahoma City, OK 73118
405.488.2400 Phone
405.488.2404 Fax
www.etilab.com

Tec-An Inc.	Project: 119 N. Grand Ave., Cherokee, OK	
2517 S. Purdue Ave.	Project Number: Cherokee Town Hall	Reported:
Oklahoma City OK, 73128	Project Manager: Mr. Grayson Cook	02/16/24 16:54

01

E4B0199-01 (Aqueous) - Sampled: 02/01/24 11:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Qualifiers
Conventional Chemistry Parameters by Standard Methods									T-01
Phosphorus (total)	**0.410**	0.150	mg/L	1	EMB0389	LDH	02/15/24 14:00	SM 4500-P B5-2011	
Metals by EPA 6000/7000 Series Methods									
Lead	**0.113**	0.0100	mg/L	1	EMB0337	LSB	02/16/24 16:26	EPA 6010D 2018	
Metals Digestion	Completed		N/A	1	EMB0337	LSB	02/14/24 16:30	EPA 3005A 1992	

Environmental Testing, Inc.

Keith Hopcus For Russell Britten, CEO

The results in this report apply to the samples analyzed in accordance with the chain of custody document and meet all laboratory accreditation requirements unless noted otherwise. This analytical report must be reproduced in its entirety.

E4B0199
Original
ETI_OKC_RPT MRL_rev46.0.rpt

E 4 B 0 1 9 9

ENVIRONMENTAL TESTING, INC.

4619 N. Santa Fe Ave
Oklahoma City, OK 73118
405.488.2400 Phone
405.488.2404 Fax
www.etilab.com

Tec-An Inc.	Project: 119 N. Grand Ave., Cherokee, OK	
2517 S. Purdue Ave.	Project Number: Cherokee Town Hall	**Reported:**
Oklahoma City OK, 73128	Project Manager: Mr. Grayson Cook	02/16/24 16:54

02

E4B0199-02 (Aqueous) - Sampled: 02/01/24 11:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Qualifiers
Conventional Chemistry Parameters by Standard Methods									**T-01**
Phosphorus (total)	**0.320**	0.150	mg/L	1	EMB0389	LDH	02/15/24 14:00	SM 4500-P B5-2011	
Metals by EPA 6000/7000 Series Methods									
Lead	**0.110**	0.0100	mg/L	1	EMB0337	LSB	02/16/24 16:33	EPA 6010D 2018	
Metals Digestion	Completed		N/A	1	EMB0337	LSB	02/14/24 16:30	EPA 3005A 1992	

Environmental Testing, Inc.

Keith Hopcus For Russell Britten, CEO

The results in this report apply to the samples analyzed in accordance with the chain of custody document and meet all laboratory accreditation requirements unless noted otherwise. This analytical report must be reproduced in its entirety.

E4B0199

ENVIRONMENTAL TESTING, INC.

4619 N. Santa Fe Ave
Oklahoma City, OK 73118
405.488.2400 Phone
405.488.2404 Fax
www.etilab.com

Tec-An Inc.	Project: 119 N. Grand Ave., Cherokee, OK	
2517 S. Purdue Ave.	Project Number: Cherokee Town Hall	Reported:
Oklahoma City OK, 73128	Project Manager: Mr. Grayson Cook	02/16/24 16:54

QUALITY CONTROL

Conventional Chemistry Parameters by Standard Methods
Environmental Testing, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifiers
Batch EMB0389 - General Prep - Wet Chem (Aq)										
Blank (EMB0389-BLK1)				**Prepared & Analyzed: 02/15/24**						
Phosphorus (total)	<0.150	0.150	mg/L							
LCS (EMB0389-BS1)				**Prepared & Analyzed: 02/15/24**						
Phosphorus (total)	1.08	0.150	mg/L	1.000		108	80-120			
MRL Check (EMB0389-MRL1)				**Prepared & Analyzed: 02/15/24**						
Phosphorus (total)	0.280	0.150	mg/L	0.2000		140	0-200			
MRL Check (EMB0389-MRL2)				**Prepared & Analyzed: 02/15/24**						
Phosphorus (total)	0.250	0.150	mg/L	0.2000		125	0-200			
MRL Check (EMB0389-MRL3)				**Prepared & Analyzed: 02/15/24**						
Phosphorus (total)	0.290	0.150	mg/L	0.2000		145	0-200			
Matrix Spike (EMB0389-MS1)		**Source: E4B0134-02**		**Prepared & Analyzed: 02/15/24**						
Phosphorus (total)	29.6	3.00	mg/L	20.00	11.0	93	80-120			
Matrix Spike Dup (EMB0389-MSD1)		**Source: E4B0134-02**		**Prepared & Analyzed: 02/15/24**						
Phosphorus (total)	32.4	3.00	mg/L	20.00	11.0	107	80-120	9	20	

Environmental Testing, Inc.

Keith Hopcus For Russell Britten, CEO

The results in this report apply to the samples analyzed in accordance with the chain of custody document and meet all laboratory accreditation requirements unless noted otherwise. This analytical report must be reproduced in its entirety.

E4B0199
Original
ETI_OKC_RPT MRL_rev46.0.rpt

E 4 B 0 1 9 9

ENVIRONMENTAL TESTING, INC.

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Tec-An Inc.	Project: 119 N. Grand Ave., Cherokee, OK	
2517 S. Purdue Ave.	Project Number: Cherokee Town Hall	Reported:
Oklahoma City OK, 73128	Project Manager: Mr. Grayson Cook	02/16/24 16:54

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods

Environmental Testing, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifiers
Batch EMB0337 - EPA 3005										
Blank (EMB0337-BLK1)				Prepared: 02/14/24 Analyzed: 02/16/24						
Lead	<0.0100	0.0100	mg/L							
Metals Digestion	Completed		N/A							
LCS (EMB0337-BS1)				Prepared: 02/14/24 Analyzed: 02/16/24						
Lead	0.499	0.0100	mg/L	0.5000		100	80-120			
Metals Digestion	Completed		N/A							
Matrix Spike (EMB0337-MS1)		Source: E4B0196-05		Prepared: 02/14/24 Analyzed: 02/16/24						
Lead	0.489	0.0100	mg/L	0.5000	0.00290	97	75-125			
Metals Digestion	Completed		N/A		0.00					
Matrix Spike (EMB0337-MS2)		Source: E4B0206-08		Prepared: 02/14/24 Analyzed: 02/16/24						
Lead	0.504	0.0100	mg/L	0.5000	ND	101	75-125			
Metals Digestion	Completed		N/A		0.00					
Matrix Spike Dup (EMB0337-MSD1)		Source: E4B0196-05		Prepared: 02/14/24 Analyzed: 02/16/24						
Lead	0.504	0.0100	mg/L	0.5000	0.00290	100	75-125	3	20	
Metals Digestion	Completed		N/A		0.00					

ENVIRONMENTAL TESTING, INC.

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www.etilab.com

Tec-An Inc.	Project: 119 N. Grand Ave., Cherokee, OK	
2517 S. Purdue Ave.	Project Number: Cherokee Town Hall	Reported:
Oklahoma City OK, 73128	Project Manager: Mr. Grayson Cook	02/16/24 16:54

Certifications

Code	Description	Number	Expires
NELAP/OK	NELAP Accredited (ODEQ)	2023-028	08/31/2024
TCEQ	Texas Accedited (TCEQ)	T104704498-23-13	03/31/2024

Qualifiers and Definitions

Abbreviation	Description
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
x	Non-Certified analyte
NA	Not Applicable

Qualifier	Description
COM	Completed
T-01	The sample was received outside of the regulatory temperature for this analysis.

ENVIRONMENTAL TESTING, INC.

Sample Receipt Form: E4B0199

Environmental Testing, Inc.

E4B0199

Printed: 2/13/2024 8:59:56AM

Client:	Tec-An Inc.	**Project Manager:**	Mr. Grayson Cook
Project:	119 N. Grand Ave., Cherokee, OK	**Project Number:**	Cherokee Town Hall

Report To:
Tec-An Inc.
Mr. Grayson Cook
2517 S. Purdue Ave.
Oklahoma City, OK 73128

Phone: (405) 681-2076

Invoice To:
Tec-An Inc.
Ms. Leslie Ingle
2517 S. Purdue Ave.
Oklahoma City, OK 73128

Phone: (405) 681-2076

Date Due:	02/16/24 17:00 (3 day TAT)		
Received By:	Mackenzie Merritt	Date Received:	02/13/24 08:54
Logged In By:	Andra Hoot	Date Logged In:	02/13/24 08:58

Samples Received at:	8.6°C				
Custody seals	No	Received on ice	No	Sufficient sample	Yes
Containers intact	Yes	Sample or temp blank frozen	No		
COC/Labels agree	Yes	Headspace in VOA vials	No		
Preservation confirmed	No	Correct containers	Yes		

Notes:

Preservation Confirmation

Container ID	Container Type	pH	Date/Time	Lot #
E4B0199-01 B	Poly H2SO4 - 250mL	Pres @ lab = <2	02-13-24/09:00	222369
E4B0199-01 C	Poly HNO3 - 250mL	↓	↓	225035
E4B0199-02 B	Poly H2SO4 - 250mL			222369
E4B0199-02 C	Poly HNO3 - 250mL			225035

Preservation Confirmed By

02-13-24
Date

Reviewed By

Date

wko_EOC_wpres_rev12.0.rpt

CHAIN OF CUSTODY RECORD

ENVIRONMENTAL TESTING, INC.
4619 NORTH SANTA FE AVE.
OKLAHOMA CITY, OK 73118
(405) 488-2400
FAX: (405) 488-2404

Oilab

PAGE: 1 OF 1
SAMPLE SERIES: G2200199
SHADED AREAS FOR LABORATORY USE ONLY

COMPANY: Tec-An Inc
ADDRESS: 257 South Purdue
OKC, OK
PHONE #: 405-681-7076
EMAIL: grayson@tec-an.com
P.O. #: Cherokee
CLIENT CONTACT: Grayson Cook
PROJECT #: Cherokee Town Hall /MANAGER:
SITE LOCATION: 119 N Grand Ave Cherokee, OK

SAMPLE TYPE
1. WATER
2. SOIL
3. SLUDGE
4. OIL
5. OTHER

CONTAINER TYPE
P-PLASTIC
G-GLASS
V-VOA
O-OTHER
T-TEFLON

ETI SAMPLE #	CLIENT SAMPLE IDENTIFICATION	SAMPLE TYPE	CONTAINER SIZE	CONTAINER TYPE	CONTAINER #	SAMPLING DATE	SAMPLING TIME	PRESERVATIVES	ANALYSIS: 1 Lead	ANALYSIS: 2 Phosphorus	LAB COMMENTS
1	01	1	500ml	G	1	02-01	11:00		1	1	
2	02	1	500ml	G	1	02-01	11:00		1	1	

RECEIVED ON ICE: ☐ Y ☒ N @8.6°C 7.7+0.9=8.6°C
EQUIPMENT #: ETI0017

SAMPLER: Grayson Cook

FIELD PH: TEMP:
TIME: COND:
CALIB: ☐ 4 ☐ 7 ☐ 10

REQUESTED TURNAROUND TIME:
☐ REGULAR (5 DAYS)

RUSH REQUIRED: (ADDITIONAL FEES MAY APPLY)
☑ 3 DAYS ☐ 2 DAYS ☐ 1 DAY

RELINQUISHED BY:	DATE: 02-13-2024	RECEIVED BY:	DATE: 02-13-24	COMMENTS:
	TIME: 8:54		TIME: 08:54	
RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE:	
	TIME:		TIME:	
RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE:	LOG IN REVIEW:
	TIME:		TIME:	

CHAIN OF CUSTODY RECORD

ENVIRONMENTAL TESTING, INC.

4619 NORTH SANTA FE AVE.
OKLAHOMA CITY, OK 73118
(405) 488-2400
FAX: (405) 488-2404

Oilab

PAGE: 1 OF 1

SAMPLE SERIES #:

SHADED AREAS FOR LABORATORY USE ONLY

COMPANY: Tec-An Inc
ADDRESS: 2517 South purdue
OKC OK
PHONE #: 405-681-7076
EMAIL: grayson@tec-an.com
P.O. #: Chandler
CLIENT CONTACT: Grayson Cook
PROJECT #: Chandler Town Hall /MANAGER:
SITE LOCATION: 112 N Grand ave Chandler, OK

SAMPLE TYPE
1. WATER
2. SOIL
3. SLUDGE
4. OIL
5. OTHER

CONTAINER TYPE
P-PLASTIC
G-GLASS
V-VOA
O-OTHER
T-TEFLON

ETI SAMPLE #	CLIENT SAMPLE IDENTIFICATION	SAMPLE TYPE	CONTAINER SIZE	CONTAINER TYPE	CONTAINER #	SAMPLING DATE	SAMPLING TIME	PRESERVATIVES	ANALYSIS: Lead	ANALYSIS: Olin Time	LAB COMMENTS
	01	1	500ml	G	1	02-01	11:00		✓	✓	
	02	1	500ml	G	1	02-01	11:00		✓	✓	

RECEIVED ON ICE: ☐ Y ☒ N @8.6°C 7710.9-8.6°C
EQUIPMENT #: Finnova

SAMPLER: Grayson Cook

FIELD PH:
TEMP:
TIME:
COND:
CALIB: ☐ 4 ☐ 7 ☐ 10

REQUESTED TURNAROUND TIME:
☐ REGULAR (5 DAYS)

RUSH REQUIRED: (ADDITIONAL FEES MAY APPLY)
☑ 3 DAYS ☐ 2 DAYS ☐ 1 DAY

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	DATE/TIME
[signature]	DATE: 02-13-2021 TIME: 8:34	[signature]	DATE: 02-13-21 TIME: 0834
	DATE: TIME:		DATE: TIME:
	DATE: TIME:		DATE: TIME:

COMMENTS:

LOG IN REVIEW:

Tec-An, Inc.
Technical Environmental Consulting & Analysis

Daily Logs

Tec-An, Inc. 2517 South Purdue Ave, Oklahoma City, OK 73128
Office: (405) 681-7076
Website: www.Tec-An.com or Facebook: www.facebook.com/TecAnInc/