ASBESTOS AND REGULATED WASTE ASSESSMENT

3765 Bridge Street Northwest
St. Francis, Minnesota

Project # 7635

Prepared for:

City of St. Francis
23340 Cree Street Northwest
St. Francis, Minnesota 55070

August 21, 2018

Carlson McCain

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ENVIRONMENTAL • ENGINEERING • LAND SURVEYING

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1.0 SITE SPECIFIC AND CERTIFICATION

Building Description	Former church converted into a two-story home with a basement and attached garage with offices and storage rooms.
Location:	3765 Bridge Street Northwest St. Francis, Minnesota

Type of Structure

The Property located at 3765 Bridge Street Northwest is developed with a former church, which has been renovated into a single family home. It consists of two stories and a basement. Attached to the north side of the building is a large garage which is divided into three open rooms, an office, and bathrooms. Photographs of the building can be found in Appendix A.

Current Owner:	City of St. Francis
Expected Disposition of the Structure:	Demolition

Licensure

A Minnesota Department of Health (MDH) certified asbestos inspector conducted the inspection. Copies of licenses and certifications are included in Appendix B.

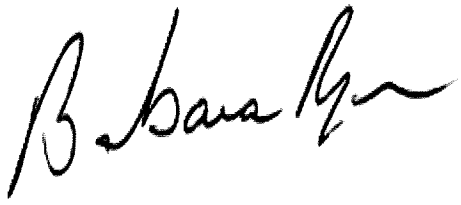
Certification

I, Ms. Christine Steman, certify that this asbestos inspection was performed in compliance with MN Rules 4620.3460.

August 21, 2018
Date

MDH Asbestos Inspector, License #AI8581
Certified Hazardous Materials Manager, #13082

I, Ms. Barbara Ryan, CHMM, PG, certify that I have reviewed this Asbestos and Regulated Waste Assessment Report.



August 21, 2018
Date

MDH Asbestos Inspector, License #AI8581
Certified Hazardous Materials Manager, #13082

2.0 SUMMARY OF ACTIONS REQUIRED FOR THIS DEMOLITION

2.1 Review of Drawings

As-built drawing were not available for review prior to the inspection. Previous asbestos inspection reports were also not available for review. Access to the entire structure was obtained during the inspection. A site figure depicting the sample locations and locations of identified asbestos containing materials can be found in Appendix C.

2.2 Asbestos Summary

Suspect asbestos containing materials were identified in and on the buildings. Samples were collected from multiple types of caulking, siding, tar paper, floor tile, insulation, plaster, ceiling texture, linoleum, furnace vibration joint, stove brick and mortar, sheet rock, roof patching, basement waterproofing, mop board, sink sound deadener, and wood flooring. The roof patching on the chimney and the water proofing on the exterior basement block walls were found to contain asbestos. A copy of the EMLab P&K, LLC analytical report is included in Appendix D.

Due to the power still being supplied to the church the old fabric wiring could not be sampled for asbestos. This material must be assumed to contain asbestos until such time that the power can be shut off and samples are collected to prove otherwise.

Asbestos Material

Material Sampled	Estimate Amount	Asbestos Amount (%)
Roof patching on chimney	20 square feet	10%
Water proofing on exterior basement block walls	900 square feet	8%
Wiring	600 linear feet	assumed

2.3 Lead Summary

The light brown and dark brown paint on the steeple is considered lead-based paint. The paint is not regulated by Minnesota Department of Health; however, OSHA safe work practices must be employed during removal; and, if the paint is abated, any abatement waste must be managed and disposed of appropriately. In addition, it is recommended that the presence of lead-paint be disclosed to a prospective purchaser.

Paint on the remainder of the structure does not require sampling and may be disposed of in a permitted solid waste landfill, including a demolition, industrial or mixed solid waste landfill that is permitted to accept it.

Lead Material

Location Collected	Estimated Amount	Lead Quantity (%)
Light brown paint	300 square feet	18%

Location Collected	Estimated Amount	Lead Quantity (%)
Dark brown trim paint	5 square feet	4.7%

2.4 Regulated Waste Summary

The following regulated waste was observed on or in the near vicinity of the building:

2.4.1 Mercury

One mercury thermostat was identified during the assessment.

Mercury Material

Item	Quantity	Location
Thermostat	1	Main floor next to bathroom.

2.4.2 Polychlorinated Biphenyls (PCBs)

Ballasts which may contain PCBs were identified during the assessment.

PCB Material

Item	Quantity	Location
Ballasts	25	Garage Area
Ballasts	4	Basement

2.4.3 Treated Wood

Treated wood was not identified during the assessment.

2.4.4 Other

The following is a list of other items identified during the assessment.

Other Material

Item	Quantity	Location
Fluorescent lights	50	Garage Area
Fluorescent lights	6	Basement
Fluorescent lights	3	Kitchen
Paint	200 gallons	Throughout the building
12oz oil can	1	Outside the building
Furnace	1	Basement

Item	Quantity	Location
Box fan	2	Basement

3.0 SUMMARY OF ALL ASBESTOS AND REGULATED WASTES

Description Location: 3765 Bridge Street Northwest
Address of Structure: St. Francis,Minnesota
Inspection Date: August 4, 2018

Category I and II Asbestos

Location	Sample Description	% Asbestos	Estimated Quantity	Item	Condition	Sample
Chimney on Roof	Patching	10	20 square feet	Cat. I	Good	09
Basement Exterior	Waterproofing	8	900 square feet	Cat. II	Good	11a
Throughout church	Wiring and electrical boxes	Assumed	400 linear feet	Cat. II	Good	not sampled

Friable Asbestos

Location	Sample Description	% Asbestos	Estimated Quantity	Item	Condition	Sample
Friable Asbestos was not identified during this assessment.						

Regulated Wastes Summary

Lead Material

Location Collected	Estimated Amount	Lead Quantity (%)
Light brown paint	300 square feet	18%
Dark brown trim paint	5 square feet	4.7%

Mercury Material

Item	Quantity	Location
Thermostat	1	Main floor next to bathroom.

PCB Material

Item	Quantity	Location
Ballasts	25	Garage Area

Item	Quantity	Location
Ballasts	4	Basement

Other Material

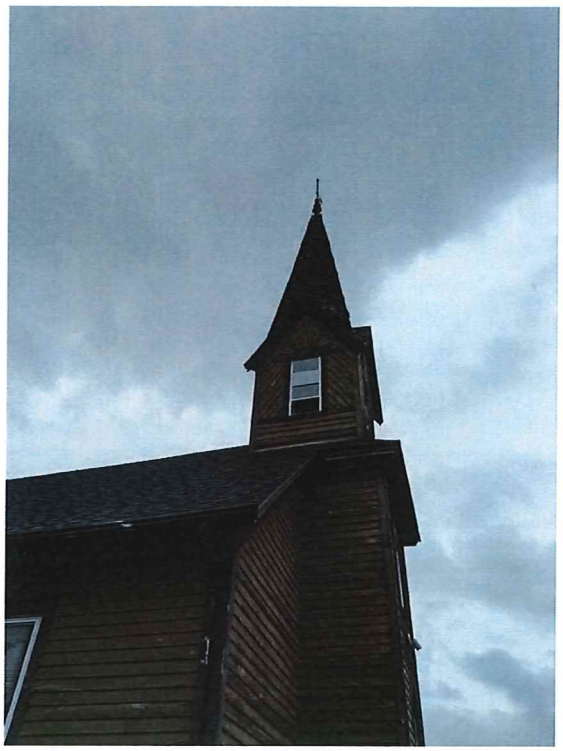
Item	Quantity	Location
Fluorescent lights	50	Garage Area
Fluorescent lights	6	Basement
Fluorescent lights	3	Kitchen
Paint	200 gallons	Throughout the building
12oz oil can	1	Outside the building
Furnace	1	Basement
Box fan	2	Basement

If any suspect asbestos containing materials are encountered during the demolition/renovation that are not identified in this report as being sampled, work must cease and a licensed asbestos inspector must be contacted to collect a sample to be submitted for laboratory analysis, to determine whether the material is asbestos containing.

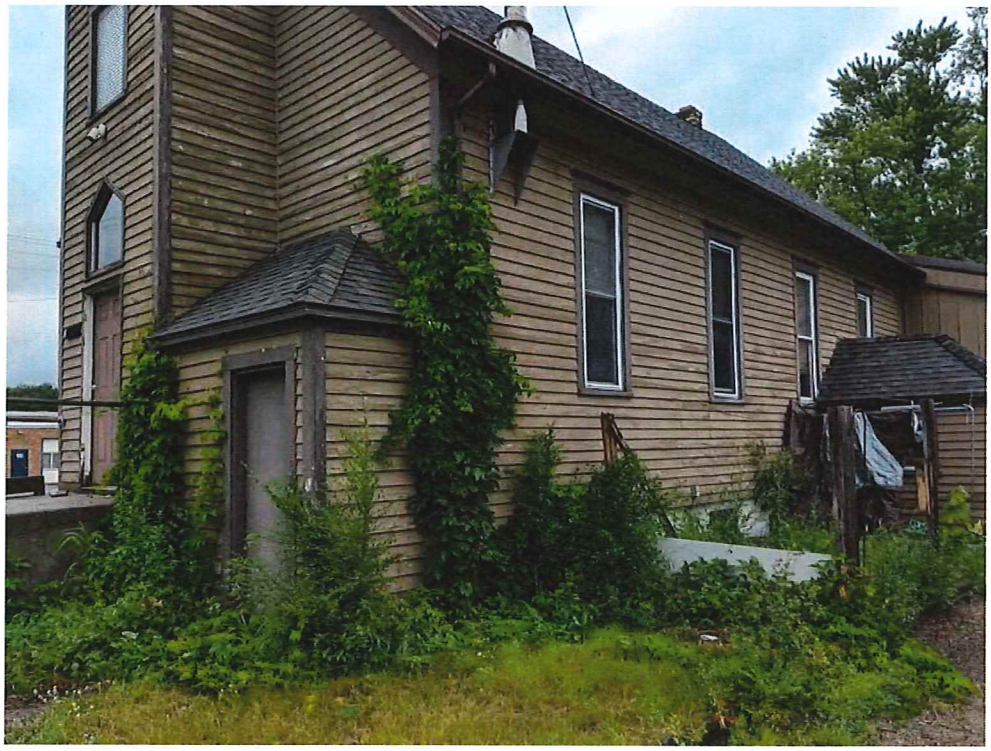
Appendix A: Photographs

Photograph 1 - View of the south side of the church.

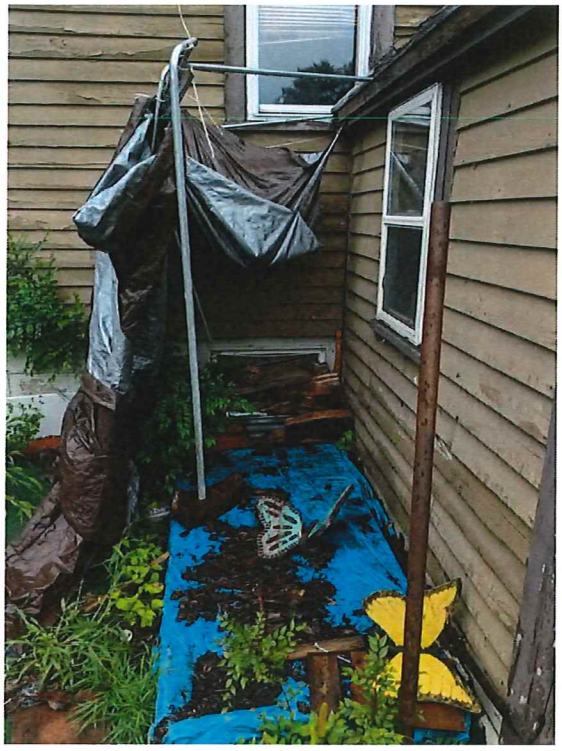
Photograph 2 - View of the east side of the church.



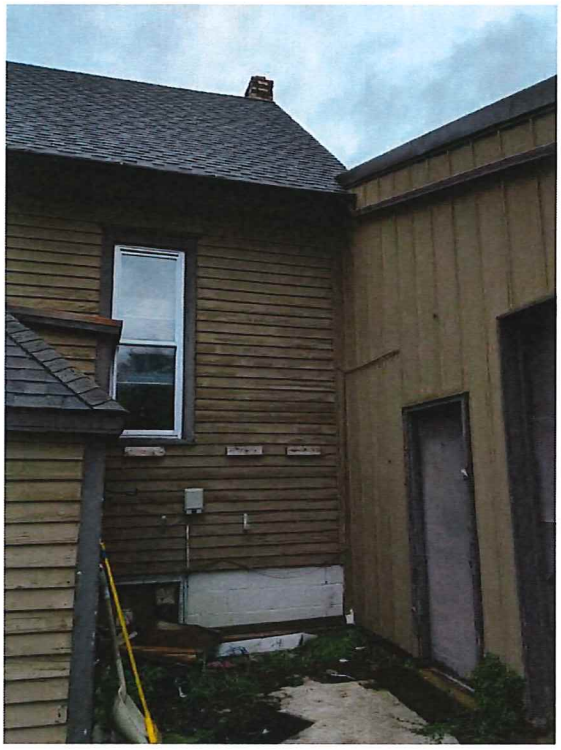
Photograph 3 - View of the steeple.



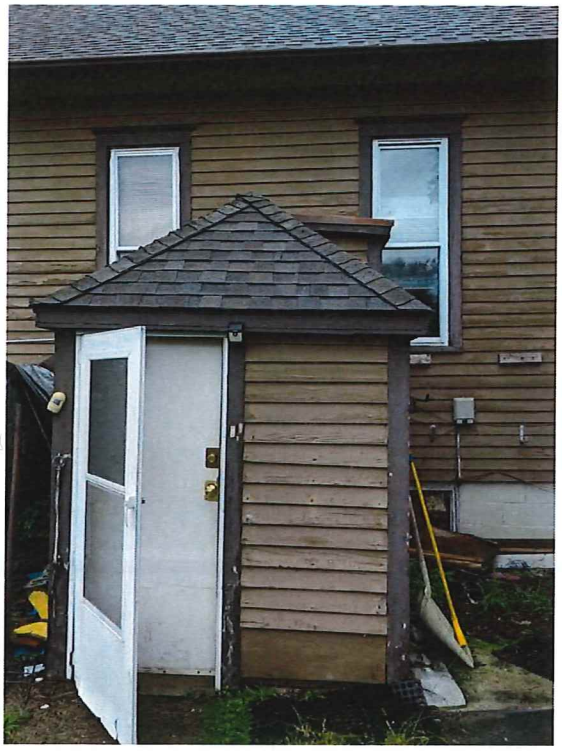
Photograph 4 - View of the east side of the church.



Photograph 5 - View of the wood storage area south of the east entry.



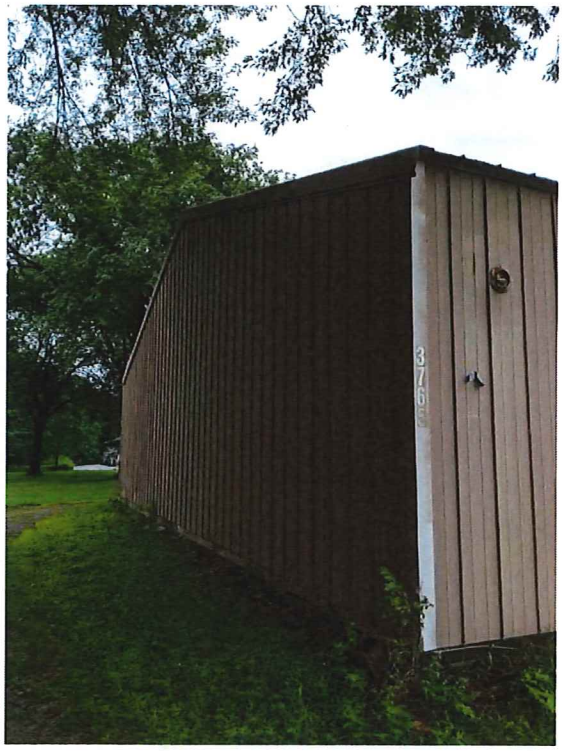
Photograph 6 - View of the east corner where the garage and house meet.



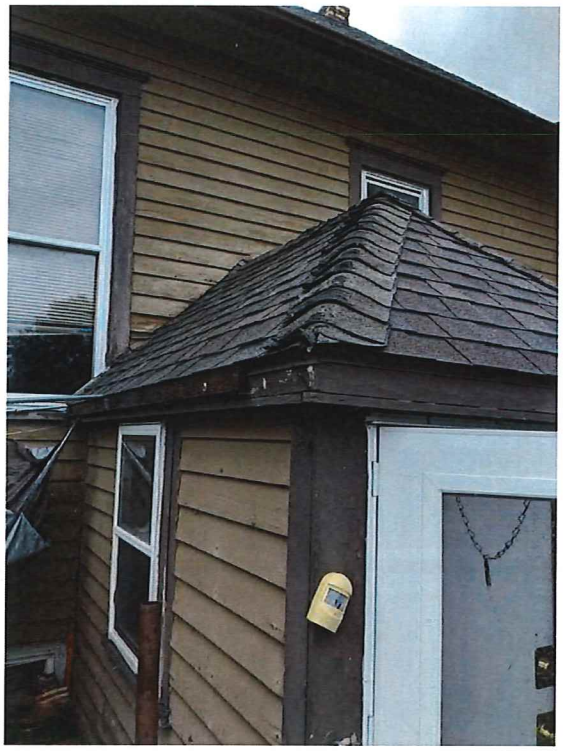
Photograph 7 - View of the east entry.

Photograph 8 - View of the east side of the garage.

Photograph 9 - View of the west side of the church facing south and basement exterior waterproofing (Sample11a)



Photograph 10 - View of the north side of the garage facing east.



Photograph 11 - View of the east entry roofing.

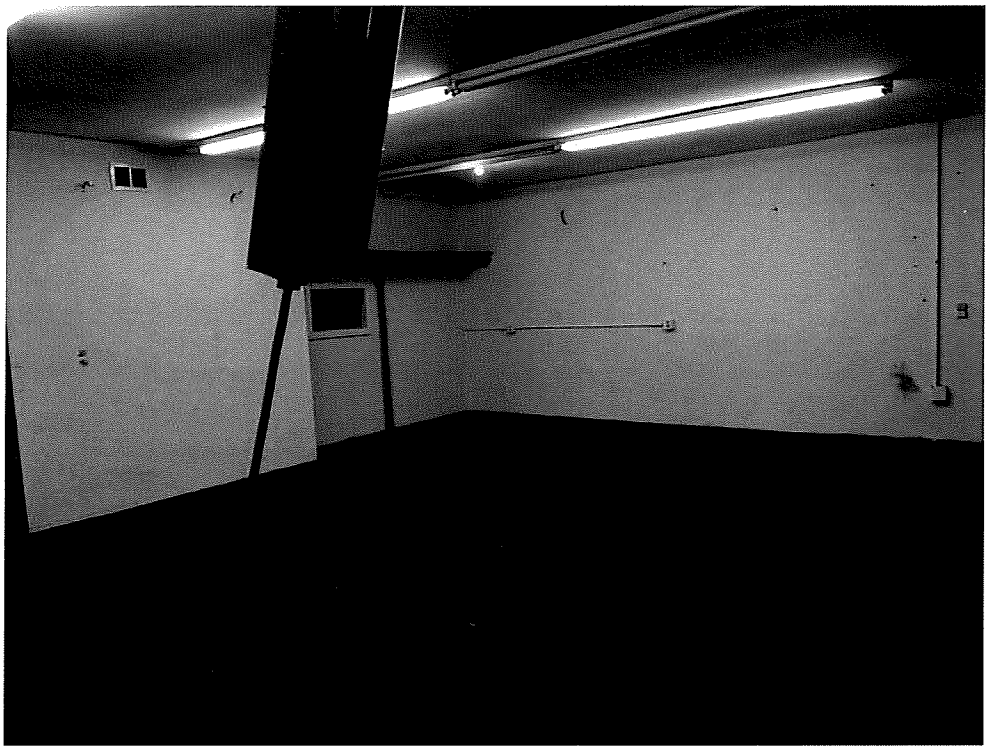
Photograph 12 - View of the garage doors on the south side.

Photograph 13 - View of the east side facing southwest.

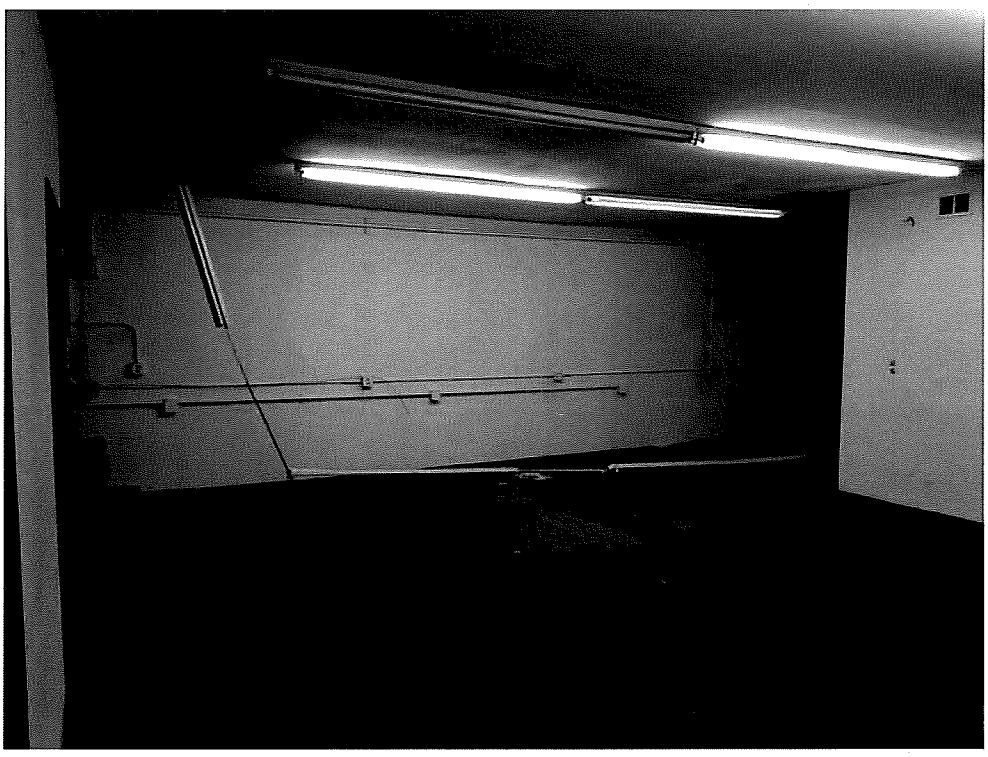
Photograph 14 - View of the north side of the garage.

Photograph 15 - View of the west side of the garage facing southeast.

Photograph 16 - View of the west side of the church facing north.



Photograph 17 - View of the garage area show room facing northeast.

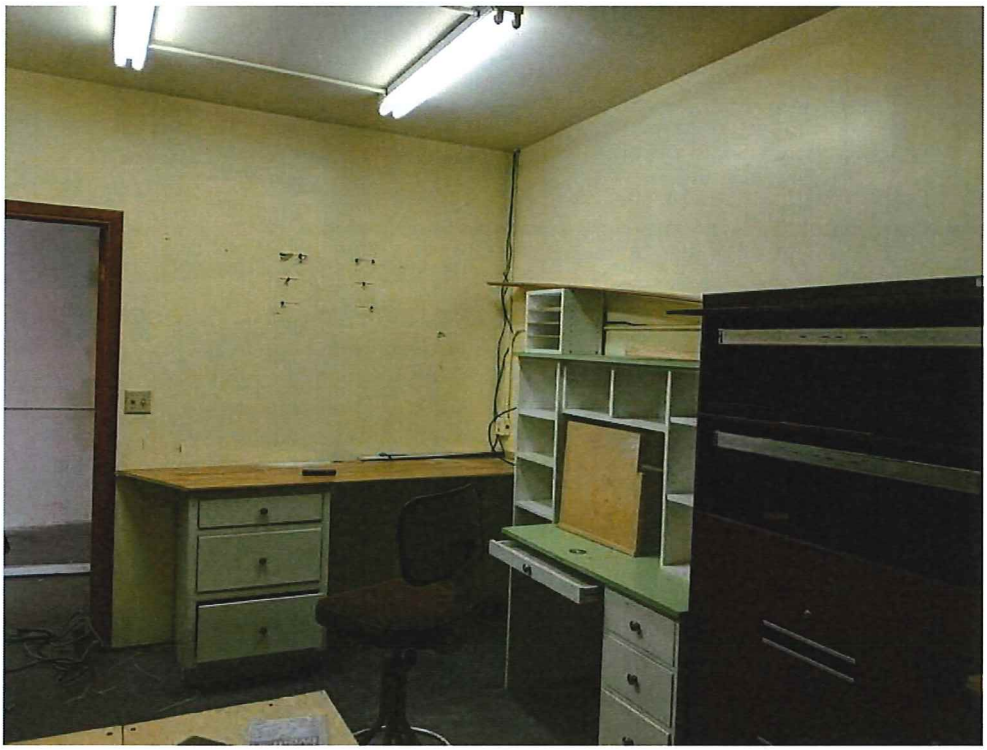


Photograph 18 - View of the garage area show room facing northwest.

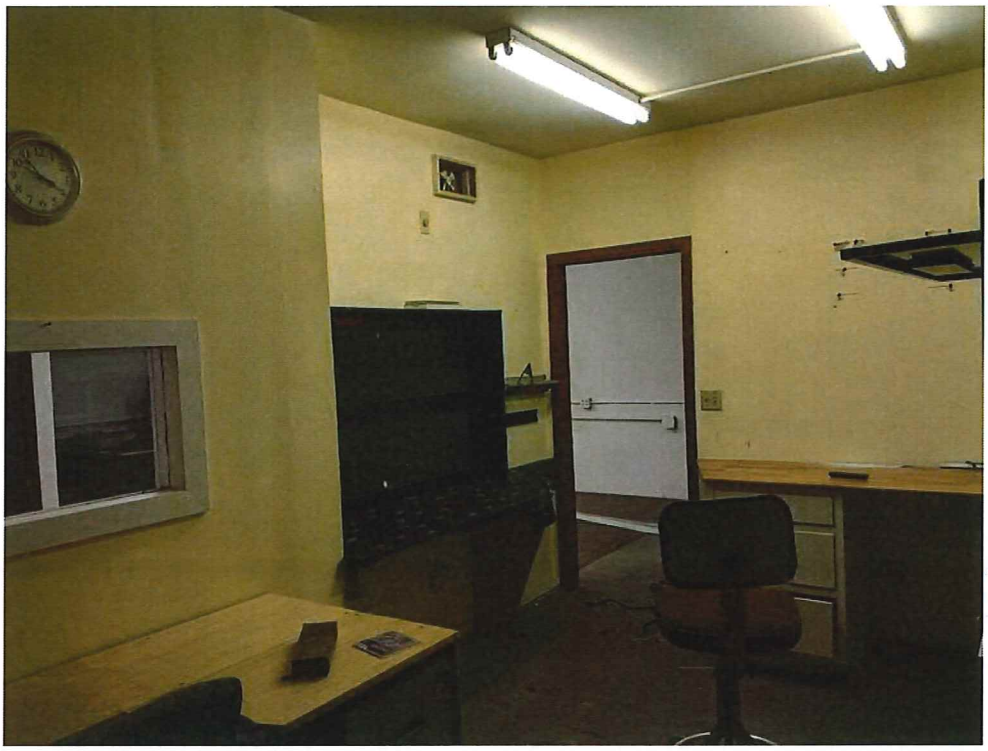
Photograph 19 - View of the garage area show room facing southwest.

Photograph 20 - View of the office in garage.

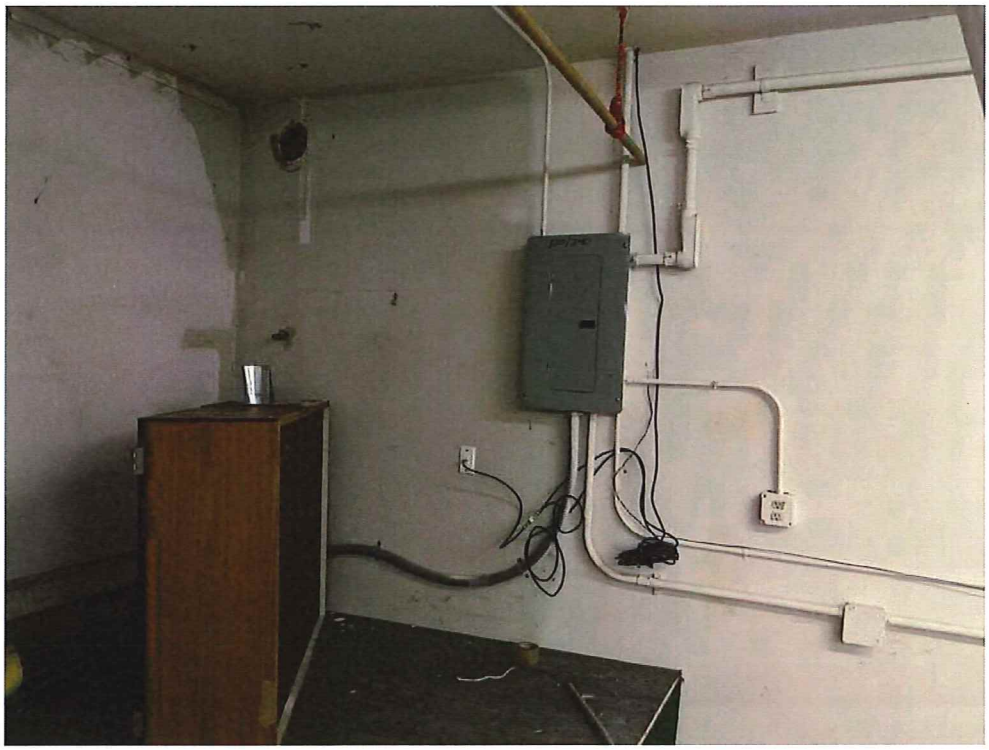
Photograph 21 - View of the office in garage.



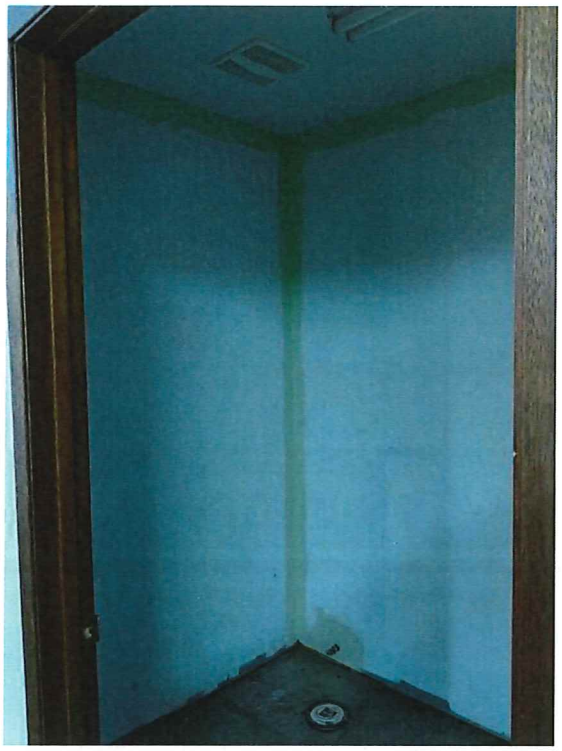
Photograph 22 - View of the office in the garage.



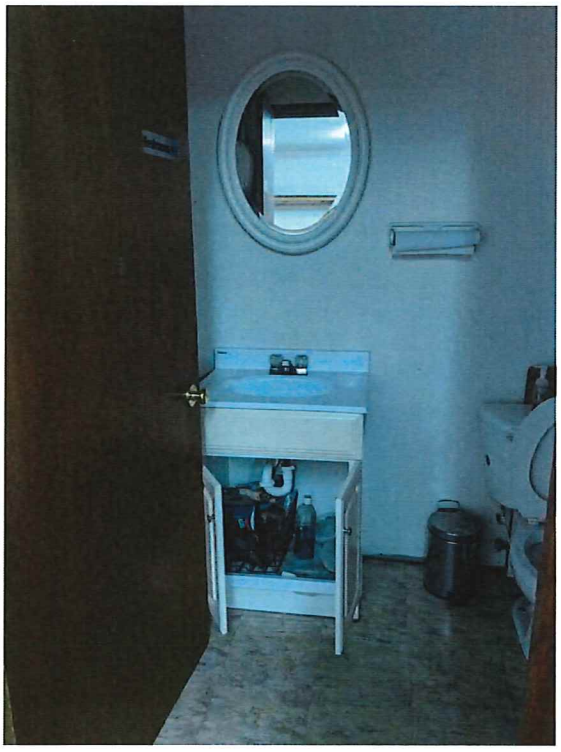
Photograph 23 - View of the office in the garage.



Photograph 24 - View of the electrical panel.

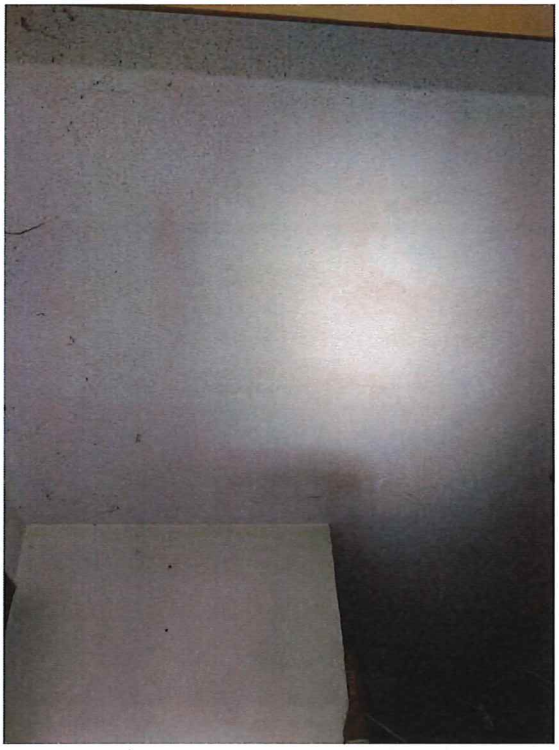


Photograph 25 - View of the storage room in the show room area.



Photograph 26 - View of the bathroom in the showroom area.

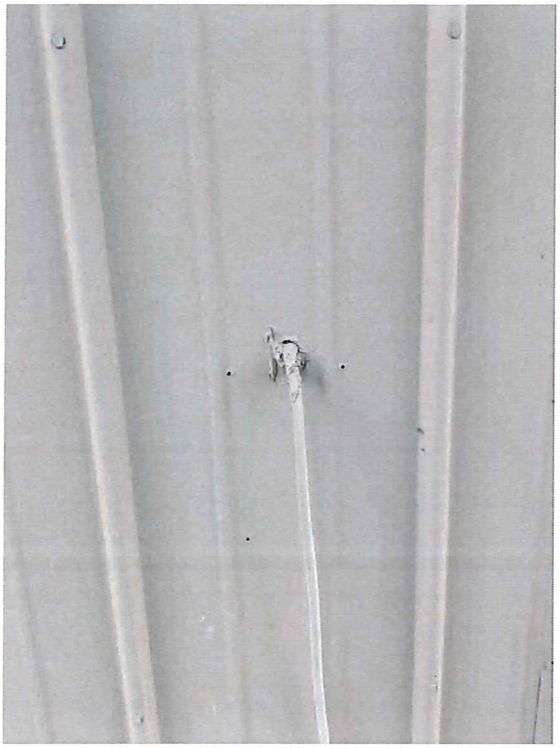
Photograph 27 - View of the bathroom in the showroom area in the garage.



Photograph 28 - View of the ceiling in the show room area in the garage.

Photograph 29 - View of the bathroom floor tile in the garage showroom.

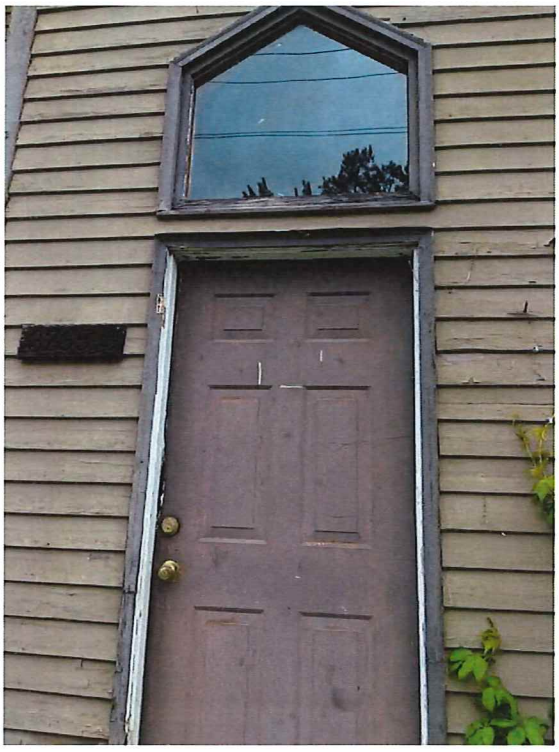
Photograph 30 - View of the cabinet on the east side of the garage.



Photograph 31 - View of the pipe penetration caulking sample.

Photograph 32 - View of the timbers on the west side of the garage.

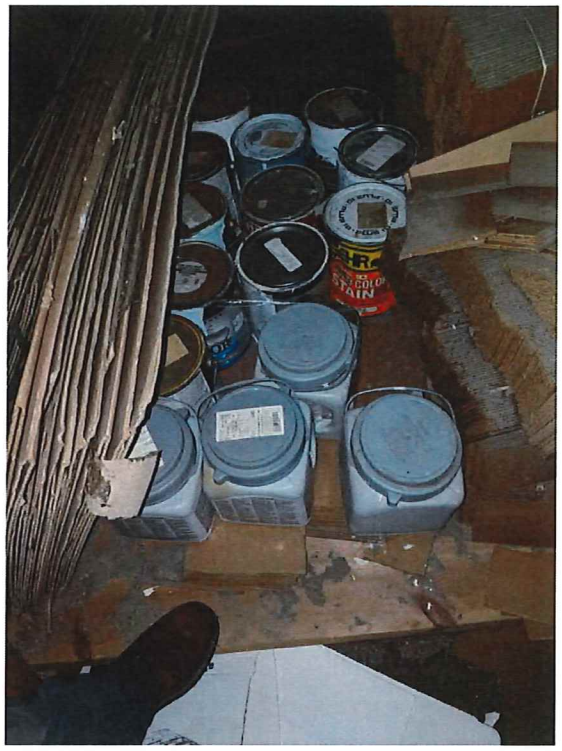
Photograph 33 - Natural gas meters.



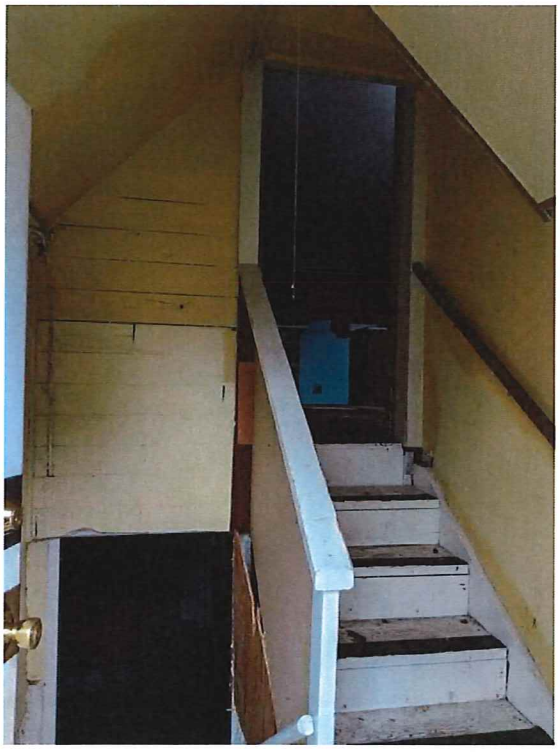
Photograph 34 - View of the south door and window.

Photograph 35 - Paint containers in the garage attic.

Photograph 36 - Paint in the garage attic.

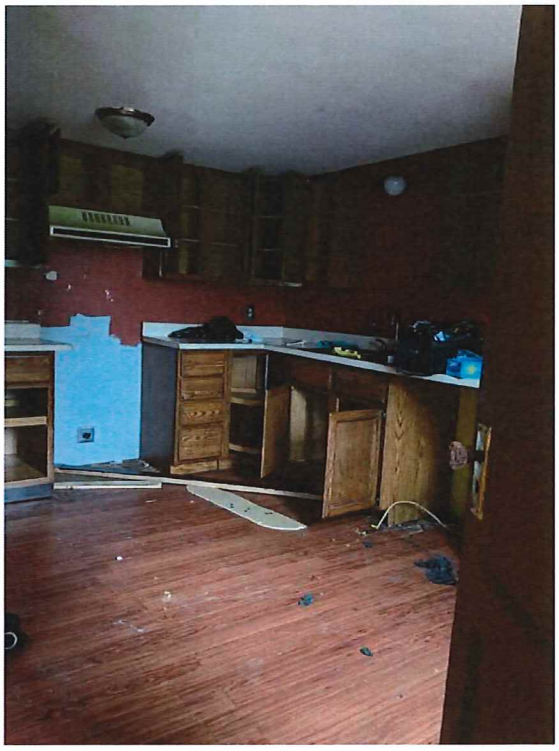


Photograph 37 - Paint in the garage attic.



Photograph 38 - View of the east entryway.

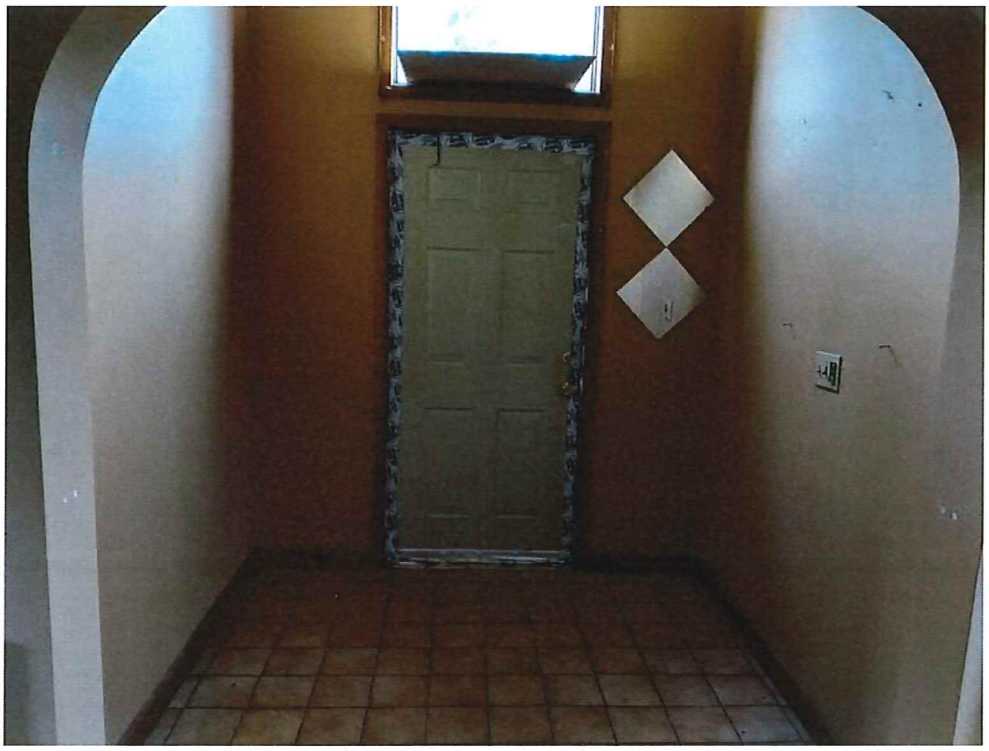
Photograph 39 - View of the kitchen.



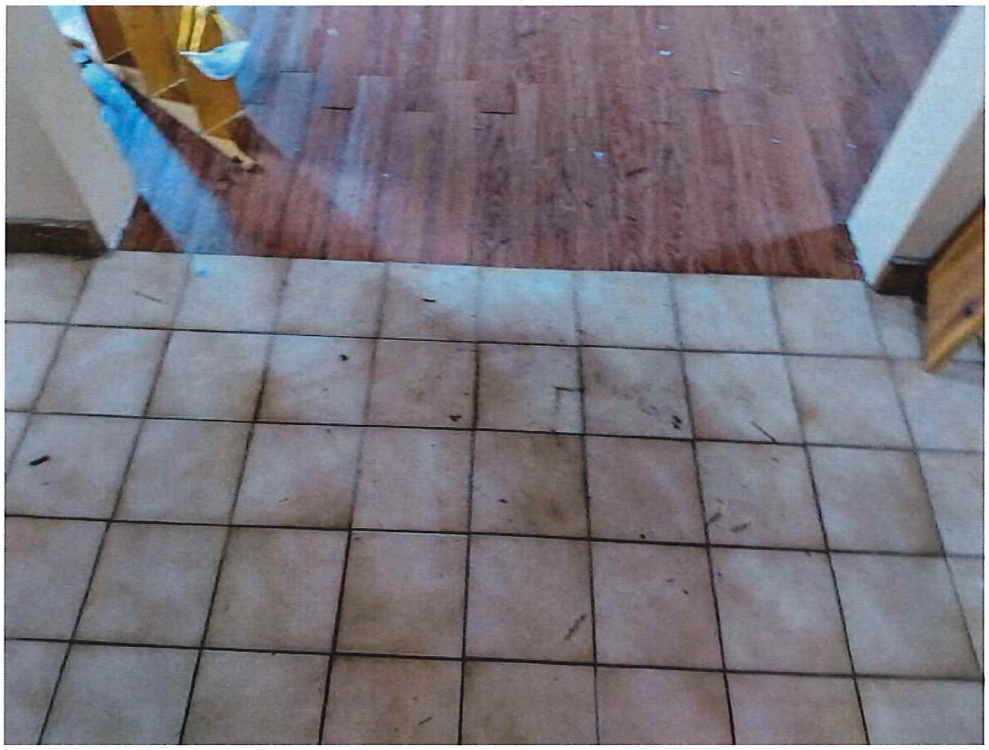
Photograph 40 - View of the kitchen.

Photograph 41 - View of the sanctuary.

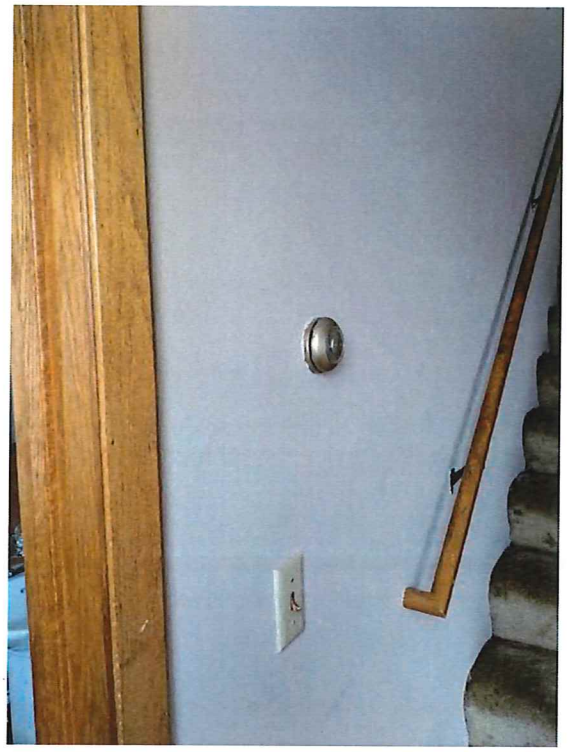
Photograph 42 - View of the sanctuary and steps to the second floor.



Photograph 43 - View of the south entryway.

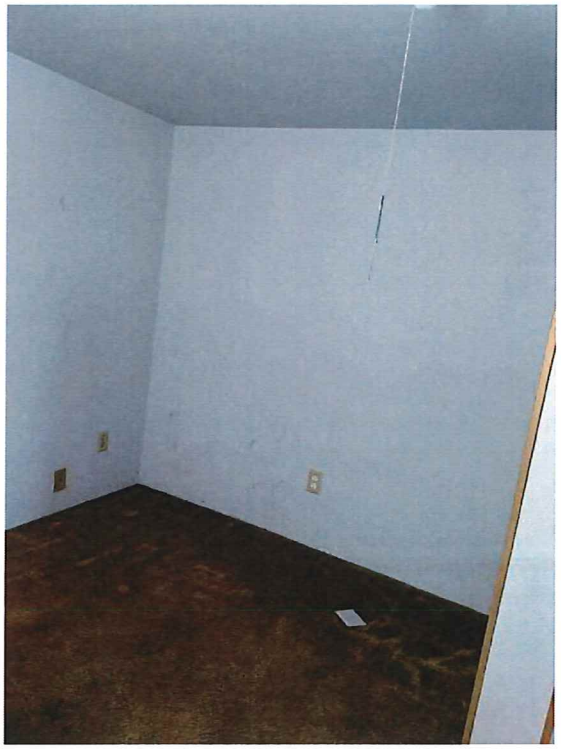


Photograph 44 - View of the south entryway ceramic tile.

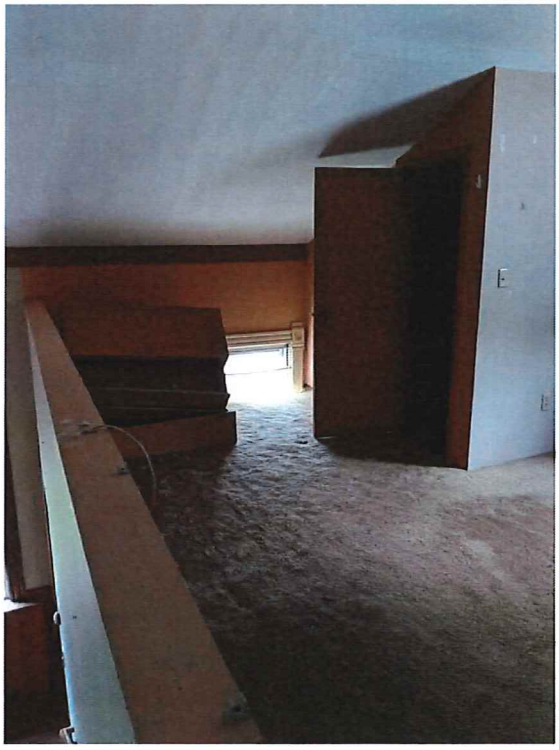


Photograph 45 - View of the mercury thermostat.

Photograph 46 - View of the main floor bathoom.

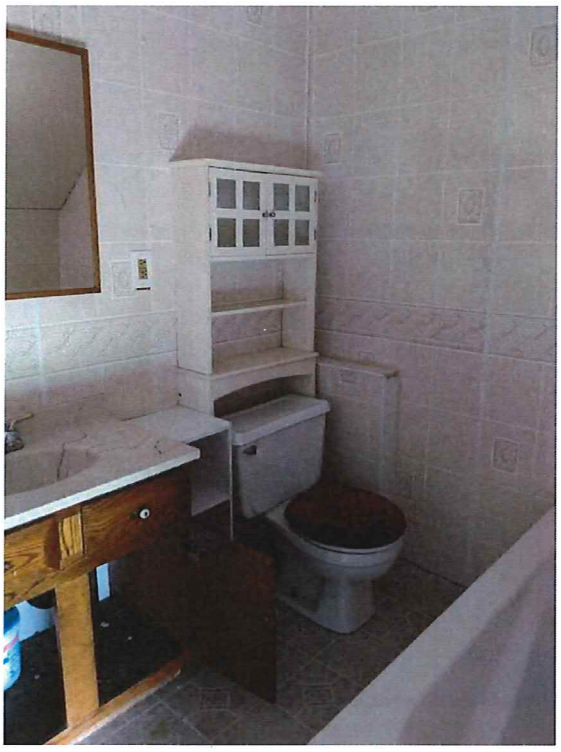


Photograph 47 - View of the bedroom.

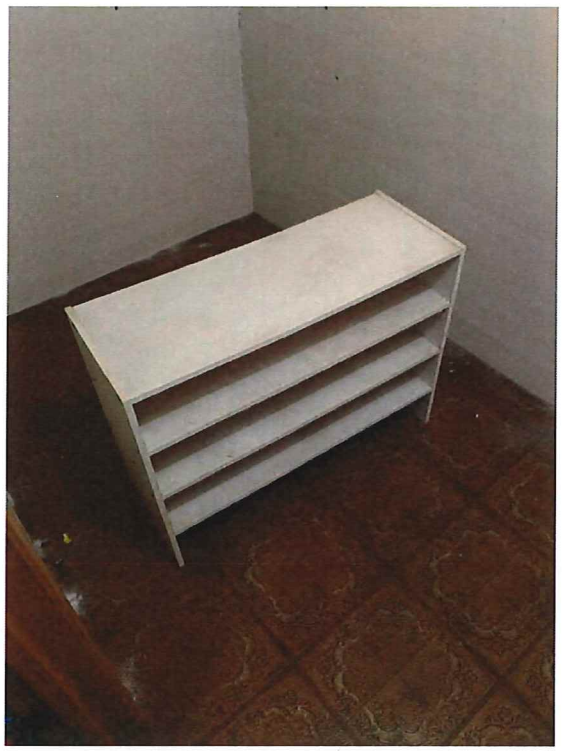


Photograph 48 - View of the second floor bedroom.

Photograph 49 - View of the second floor bathroom.

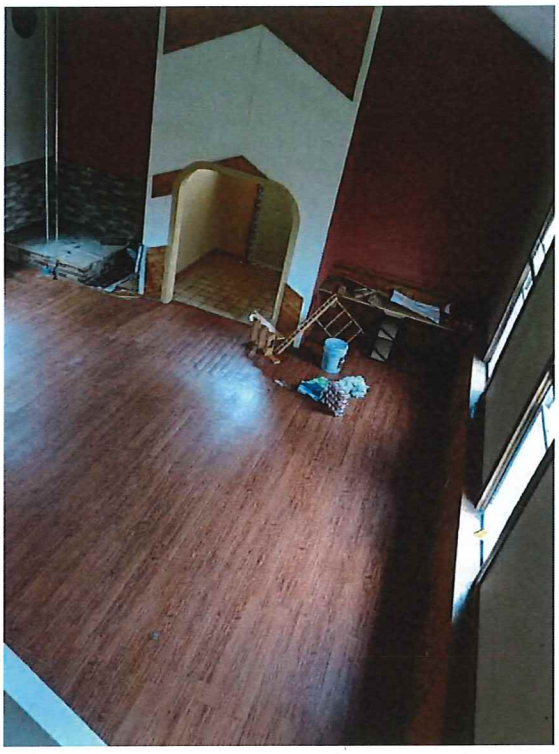


Photograph 50 - View of the second floor bathroom.



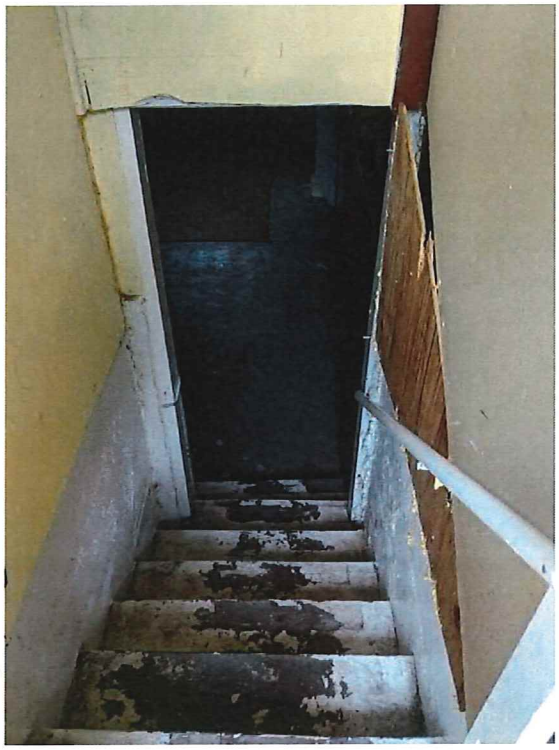
Photograph 51 - View of the second floor closet (Sample 21).

Photograph 52 - View of the chimney tar patch on the roof (Sample 10).



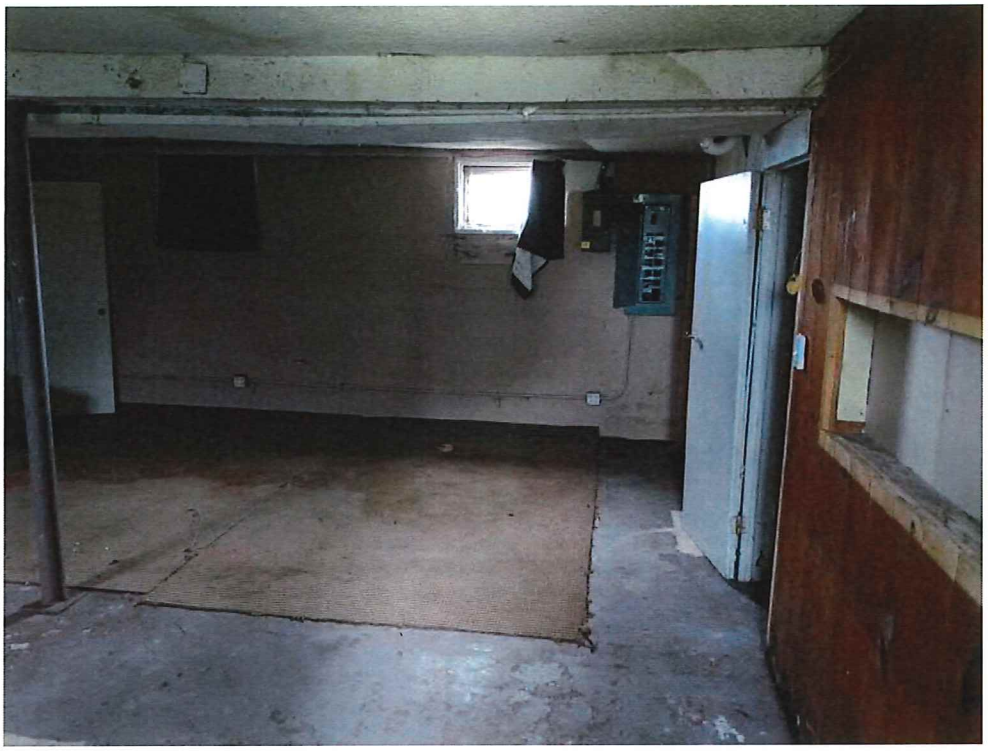
Photograph 53 - Overview of the sanctuary.

Photograph 54 - View of the east entryway linoleum.

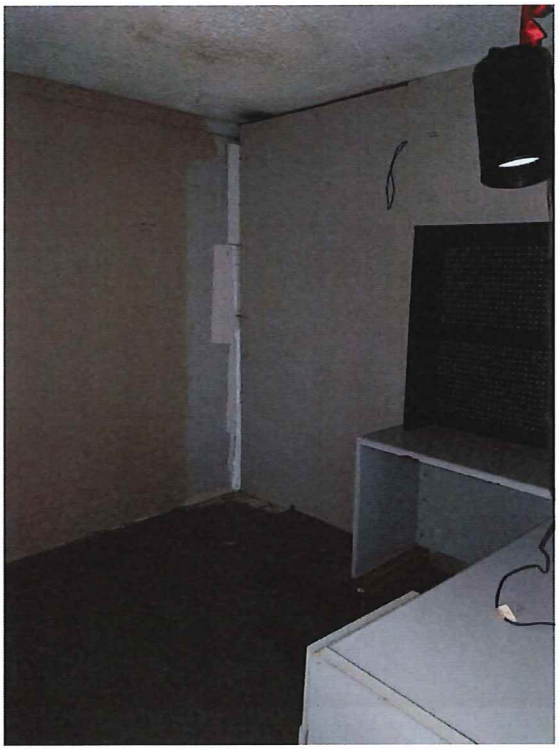


Photograph 55 - View of the steps to the basement.

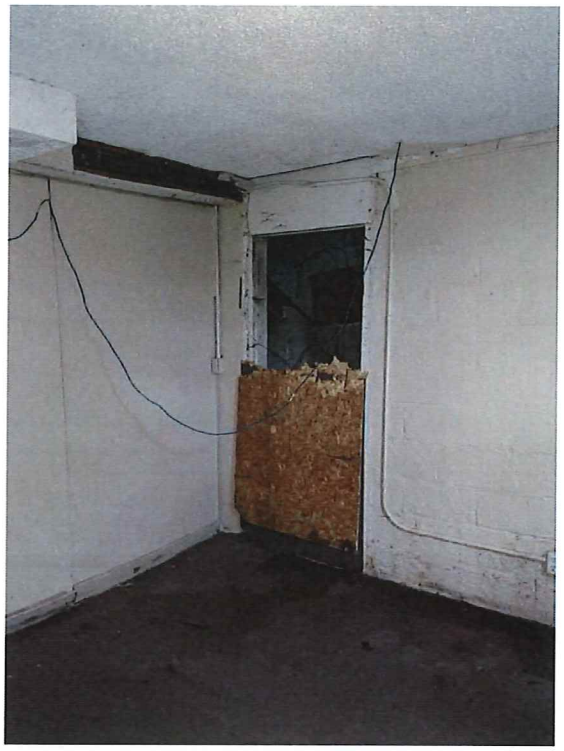
Photograph 56 - View of the basement.



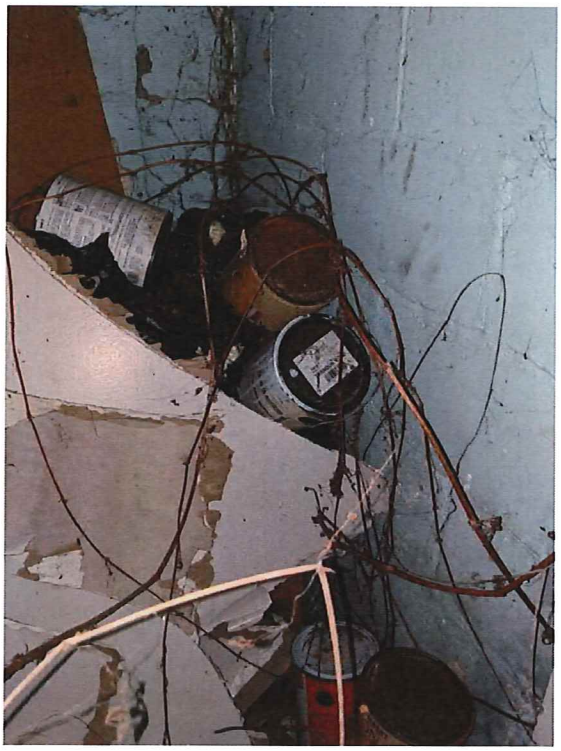
Photograph 57 - View of the basement.



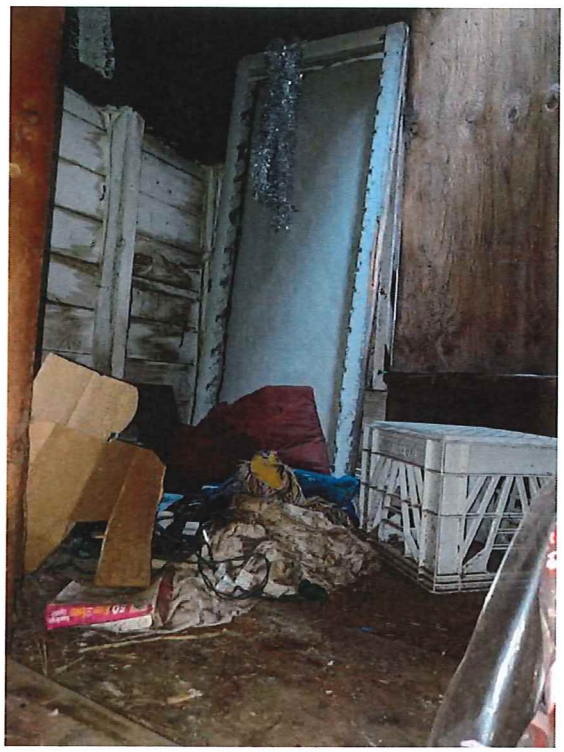
Photograph 58 - View of the office in the basement.



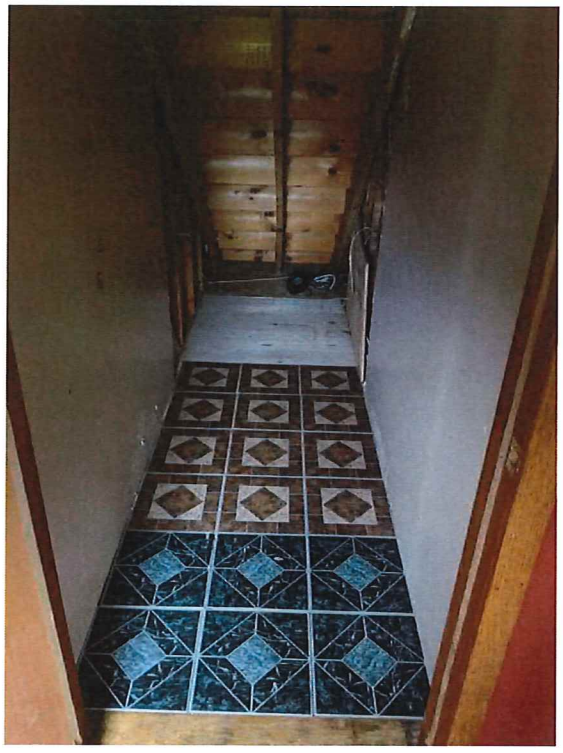
Photograph 59 - View of the bedroom in basement.



Photograph 60 - View of the paint cans behind the bedroom wall in the basement.



Photograph 61 - View of the steeple attic.



Photograph 62 - View of floor tile in kitchen closet (Samples 32 and 33).

Appendix B: Licenses

DEPARTMENT OF HEALTH

ASBESTOS INSPECTOR

Certified by:
State of Minnesota
Department of Health

Expires: 11/03/2018

Christine M Steman
46000 Cambridge Dr
Harris, MN 55032

Director, Env. Health Div. No. AI8581 Issued: 11/08/2017

DEPARTMENT OF HEALTH

ASBESTOS SITE SUPERVISOR

Certified by:
State of Minnesota
Department of Health

Expires: 11/01/2018

Christine M Steman
46000 Cambridge Dr
Harris, MN 55032

Director, Env. Health Div. No. AS8581 Issued: 11/08/2017

MDH

LEAD Risk Assessor

Licensed by:
State of Minnesota
Department of Health

License No. LR1379
Expires 05/08/2018

Christine M Steman
46000 Cambridge Dr
Harris, MN 55032

Director, Env. Health Div

Certificate No: 5LM11031704IR

Expiration Date: November 3, 2018

This is to certify that

Christine Steman

has attended and successfully completed an

ASBESTOS INSPECTOR REFRESHER TRAINING COURSE

permitted by
the State of Minnesota under Minnesota Rules 4620.3702 to 4620.3722
and meets the requirements of
Section 206 of Title II of the Toxic Substances Control Act (TSCA)
conducted by

Lake States Environmental, Ltd.

in

White Bear Lake, MN on November 3, 2017

Examination Date: November 3, 2017

Lake States Environmental, Ltd
P. O. Box 645, Rice Lake, WI 54868
(800) 254-9811

Training Instructor

Certificate No: 5LM11011701SR

Expiration Date: November 1, 2018

This is to certify that

Christine Steman

has attended and successfully completed an

ASBESTOS SUPERVISOR REFRESHER TRAINING COURSE

permitted by
the State of Minnesota under Minnesota Rules 4620.3702 to 4620.3722
and meets the requirements of
Section 206 of Title II of the Toxic Substances Control Act (TSCA)
conducted by

Lake States Environmental, Ltd.

in

White Bear Lake, MN on November 1, 2017
Examination Date: November 1, 2017

Lake States Environmental, Ltd
P. O. Box 645, Rice Lake, WI 54868
(800) 254-9811

Training Instructor

Christy Steman

has completed the Minnesota-Approved Lead Training course entitled:

Lead Risk Assessor Refresher Training

May 8, 2017

given by

Midwest Environmental Consulting, L.L.C.

125 Railroad Avenue SW, Mora MN 55051

Phone: 763-691-0111/320-679-4054

SUCCESSFULLY PASSED THE EXAMINATION ON May 8, 2017, IN COON RAPIDS, MINNESOTA

IDENTIFICATION NUMBER: MEC/LRAR 1286
Expiration Date: May 8, 2018
MDH Permit Number: RAR-006

Course Director

Approved by the State of Minnesota under *Minnesota Rules,* parts 4761.2000 to 4761.2700

Certificate of Achievement

Christine Steman

Pro Source Technologies Inc

Has successfully completed the
Thermo Fisher Scientific NITON Analyzers Manufacturer's Training Course
and is now certified in radiation safety and monitoring, device operation,
and machine maintenance of the NITON XRF Analyzer.
Certificate issued by Thermo Fisher Scientific NITON Analyzers
(CIH's – The ABIH Awards 1 CM point, approval # 07-1596)

ThermoFisher
SCIENTIFIC

Training Coordinator

Director of Training

0033000000QLaue
Certificate Number

2007 Sept 20 / Albany, NY
Date & Site of Course

Board of Certified Safety Professionals

Upon the recommendation of the
Board of Certified Safety Professionals,
by virtue of the authority vested in it,
has conferred on

Christine Marie Hauble Steman

the credential of

Associate Safety Professional

and has granted the title as evidence of meeting the qualifications and passing the required examination so long as this credential is not suspended or revoked and is renewed annually and meets all recertification requirements.

ASP

BOARD OF CERTIFIED SAFETY PROFESSIONALS

December 14, 2016
DATE ISSUED

ASP-26402
CERTIFICATION NUMBER

BOARD PRESIDENT SIGNATURE

BOARD SECRETARY SIGNATURE

INSTITUTE OF HAZARDOUS MATERIALS MANAGEMENT

THIS CERTIFIES THAT

Christine M. H. Steman

HAS SUCCESSFULLY MET ALL THE REQUIREMENTS OF EDUCATION, EXPERIENCE AND EXAMINATION, AND IS HEREBY DESIGNATED A

CERTIFIED HAZARDOUS MATERIALS MANAGER
CHMM

INSTITUTE OF HAZARDOUS MATERIALS MANAGEMENT IHMM CORPORATE SEAL 1984 DISTRICT OF COLUMBIA

June 2009	15066
DATE OF CERTIFICATION	CREDENTIAL NUMBER
June 30, 2019	
CERTIFICATION EXPIRES	EXECUTIVE DIRECTOR

VALID SO LONG AS THIS CREDENTIAL IS RENEWED ACCORDING TO SCHEDULE AND IS NOT OTHERWISE REVOKED.

ANSI Accredited Program PERSONNEL CERTIFICATION

Accredited by the American National Standards Institute and the Council of Engineering and Scientific Specialty Boards

Certificate of Completion

8 Hour HAZWOPER Refresher Training

29 CFR 1910.120/29 CFR 1926.65

This is to certify completion of 8 Hour Hazardous Waste Operations and Emergency Response Refresher Training February 13, 2017

Christine Steman

Topics Covered:
HAZWOPER Standard, History, Acts, Scope and Application. Chemistry & Toxicology, DOTERG, NIOSH Pocket Guide, Hazard Communication, Identification, Evaluation and Control, Personal Protective Equipment, Donning, Doffing, Decontamination, Respiratory Protection, Confined Space Entry & Rescue, Lockout/Tagout, Air Monitoring, Incident Command, Written Examination & Testing,

Ex Safety LLC
PO Box 468 Hudson, WI 54016
tbeyer@pressenter.com 715-220-5188 www.exsafetyguru.com
Ted Beyer, Instructor

T Beyer

Certificate of Completion

This is to certify completion of 1st Aid, CPR, BBP and AED training on
February 13, 2017

Christine Steman

Course Outline: Bloodborne Pathogens, AED, CPR, 1st Aid, Heart Attack & Stroke, Lecture, Discussion, Demonstration, Hands-on, Examination and Testing

Ex Safety LLC
P O Box 468, Hudson, WI 54016
715.220.5188
Theodor J. Beyer, Instructor

T Beyer

INSTITUTE OF HAZARDOUS MATERIALS MANAGEMENT

THIS CERTIFIES THAT

Barbara Ryan

HAS SUCCESSFULLY MET ALL THE REQUIREMENTS OF EDUCATION, EXPERIENCE AND EXAMINATION, AND IS HEREBY DESIGNATED A

CERTIFIED HAZARDOUS MATERIALS MANAGER
CHMM

March 31, 2005
DATE OF CERTIFICATION

13082
CREDENTIAL NUMBER

March 31, 2021
CERTIFICATION EXPIRES

M. Patricia Buley
ACTING EXECUTIVE DIRECTOR

VALID SO LONG AS THIS CREDENTIAL IS RENEWED ACCORDING TO SCHEDULE AND IS NOT OTHERWISE REVOKED.

ANSI ANSI Accredited Program PERSONNEL CERTIFICATION

Accredited by the American National Standards Institute and the Council of Engineering and Scientific Specialty Boards

Minnesota Department of Health

Asbestos Contractor License

License Number: AC837 **Issued on: May 9, 2017**

To:

Carlson McCain, Inc.
3890 Pheasant Ridge Dr NE, Suite 100
Blaine, Minnesota 55449-

Responsible Individual: Christine M. Steman

This license is valid from June 4, 2017 to June 3, 2018.

Pursuant to Minnesota Statutes, section 144.99, this license may be suspended or revoked for failure to conduct asbestos-related work in compliance with applicable regulations.

Asbestos-related work must be conducted according to Minnesota Statutes, sections 326.70 to 326.81 and Minnesota Rules, parts 4620.000 to 4620.3724.

Thomas P. Hogan, Director
Environmental Health Division

MINNESOTA DEPARTMENT OF HEALTH

has authorized

CARLSON MCCAIN, INC.
3890 PHEASANT RIDGE DR NE, SUITE 100
BLAINE, MINNESOTA 55449

In accordance with Minnesota Statutes, section 144.9505 and Minnesota Rules, part 4761.2200, to practice in the State of Minnesota as a

CERTIFIED LEAD FIRM

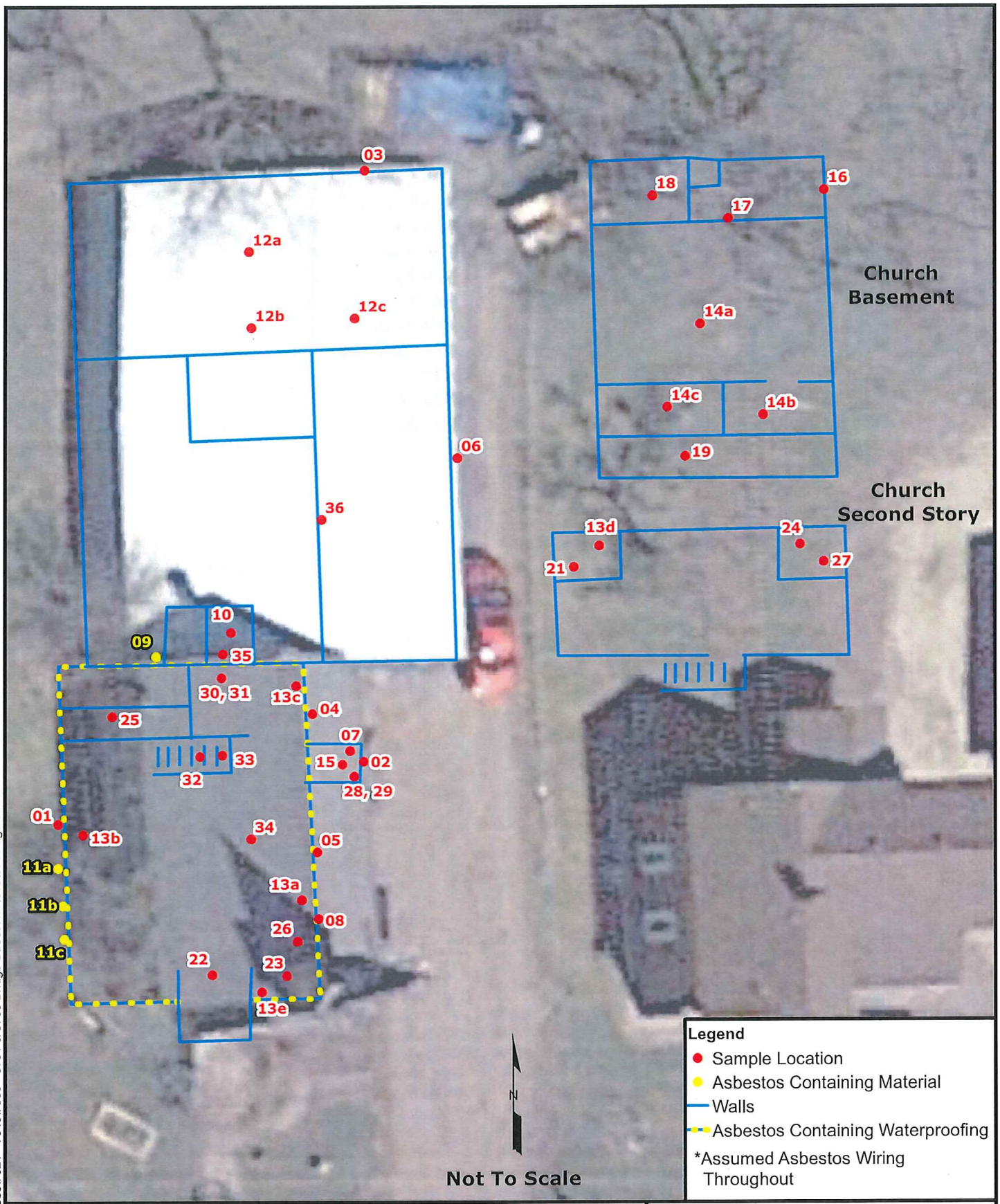
LICENSE NO: LF4238
EXPIRES: 05/16/2018

THIS CERTIFICATE IS NONTRANSFERABLE

MINNESOTA MDH DEPARTMENT OF HEALTH

Thomas P. Hogan, Director
Environmental Health Division

Appendix C: Site Figure



Carlson McCain
ENVIRONMENTAL • ENGINEERING • SURVEYING

Asbestos and Regulated Waste Assessment
3765 Bridge St NW
St. Francis, Minnesota

Figure 1
Sample Locations

August 2018 F:\jobs\7621 - 7640\7635 - 3731 & 3765 Bridge Street NW\GIS\3765 figure.mxd

Appendix D: Asbestos Analytical Results and Chain of Custody

EMLab P&K
A TestAmerica Company

Report for:

Jim Crowl, Christy Steman, CHMM
Carlson McCain, Inc.
3890 Pheasant Ridge Drive NE, #100
Blaine, MN 55449

Regarding: Project: St. Francis; 3765 Bridge St.
EML ID: 1976588

Approved by:

Approved Signatory
Balu Krishnan

Dates of Analysis:
Asbestos PLM: 08-10-2018 and 08-13-2018

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the items tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

EMLab P&K
3000 Lincoln Drive East, Suite A, Marlton, NJ 08053
(866) 871-1984 Fax (856) 334-1040 www.emlab.com

Client: Carlson McCain, Inc.
C/O: Jim Crowl, Christy Steman, CHMM
Re: St. Francis; 3765 Bridge St.

Date of Sampling: 08-04-2018
Date of Receipt: 08-08-2018
Date of Report: 08-13-2018

ASBESTOS PLM REPORT

Total Samples Submitted:	47
Total Samples Analyzed:	45
Total Samples with Layer Asbestos Content > 1%:	2

Location: 01, Exterior White Caulking Electric Conduit West Side u Lab ID-Version‡: 9317027-1

Sample Layers	Asbestos Content
White Caulk	ND
Sample Composite Homogeneity:	Good

Location: 02, White Caulking East Side Door Exterior Lab ID-Version‡: 9317028-1

Sample Layers	Asbestos Content
White Caulk	ND
Sample Composite Homogeneity:	Good

Location: 03, Clear Caulking N. Side Exterior Lab ID-Version‡: 9317029-1

Sample Layers	Asbestos Content
Transparent Caulk	ND
Sample Composite Homogeneity:	Good

Location: 04, Clear Caulking E. Side Corner of West Lab ID-Version‡: 9317030-1

Sample Layers	Asbestos Content
Transparent Caulk	ND
Sample Composite Homogeneity:	Good

Location: 05, White Caulking Blockwalls basement Exterior Lab ID-Version‡: 9317031-1

Sample Layers	Asbestos Content
White Caulk	ND
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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Client: Carlson McCain, Inc.
C/O: Jim Crowl, Christy Steman, CHMM
Re: St. Francis; 3765 Bridge St.

Date of Sampling: 08-04-2018
Date of Receipt: 08-08-2018
Date of Report: 08-13-2018

ASBESTOS PLM REPORT

Location: 06, Bolt Gasket Metal Siding Lab ID-Version‡: 9317032-1

Sample Layers	Asbestos Content
Black Gasket	ND
Sample Composite Homogeneity:	Good

Location: 07, Roof and Tar Paper Main Area Lab ID-Version‡: 9317033-1

Sample Layers	Asbestos Content
Black Roofing Shingle /Multicolored Pebbles	ND
Black Tar Paper	ND
Composite Non-Asbestos Content:	25% Glass Fibers 10% Cellulose
Sample Composite Homogeneity:	Good

Location: 08, Siding Tar Paper (Wood) Lab ID-Version‡: 9317034-1

Sample Layers	Asbestos Content
Black Tar Paper	ND
Composite Non-Asbestos Content:	30% Cellulose
Sample Composite Homogeneity:	Good

Location: 09, Roof Patching Chimney Lab ID-Version‡: 9317035-1

Sample Layers	Asbestos Content
Black Roofing Tar	10% Chrysotile
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
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Client: Carlson McCain, Inc.
C/O: Jim Crowl, Christy Steman, CHMM
Re: St. Francis; 3765 Bridge St.

Date of Sampling: 08-04-2018
Date of Receipt: 08-08-2018
Date of Report: 08-13-2018

ASBESTOS PLM REPORT

Location: 10, Garage Bathroom Floor Tile 12" X 12" Cream Lab ID-Version‡: 9317036-1

Sample Layers	Asbestos Content
Cream Floor Tile	ND
Tan Mastic	ND
Sample Composite Homogeneity:	Good

Location: 11a, Water Proofing Exterior Basement Block Walls Lab ID-Version‡: 9317037-1

Sample Layers	Asbestos Content
Black Non-Fibrous Material	8% Chrysotile
Sample Composite Homogeneity:	Good

Comments: Other samples in series not analyzed due to positive stop request.

Location: 12a, Garage Insulation Lab ID-Version‡: 9317040-1

Sample Layers	Asbestos Content
Brown Insulation	ND
Composite Non-Asbestos Content:	85% Cellulose
Sample Composite Homogeneity:	Good

Location: 12b, Garage Insulation Lab ID-Version‡: 9317041-1

Sample Layers	Asbestos Content
Brown Insulation	ND
Composite Non-Asbestos Content:	85% Cellulose
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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(866) 871-1984 Fax (856) 334-1040 www.emlab.com

Client: Carlson McCain, Inc.
C/O: Jim Crowl, Christy Steman, CHMM
Re: St. Francis; 3765 Bridge St.

Date of Sampling: 08-04-2018
Date of Receipt: 08-08-2018
Date of Report: 08-13-2018

ASBESTOS PLM REPORT

Location: 12c, Garage Insulation Lab ID-Version‡: 9317042-1

Sample Layers	Asbestos Content
Brown Insulation	ND
Composite Non-Asbestos Content:	85% Cellulose
Sample Composite Homogeneity:	Good

Location: 13a, Plaster House Portion Lab ID-Version‡: 9317043-1

Sample Layers	Asbestos Content
Tan Plaster	ND
Composite Non-Asbestos Content:	2% Synthetic Fibers < 1% Cellulose
Sample Composite Homogeneity:	Good

Location: 13b, Plaster House Portion Lab ID-Version‡: 9317044-1

Sample Layers	Asbestos Content
Tan Plaster	ND
Composite Non-Asbestos Content:	2% Synthetic Fibers < 1% Cellulose
Sample Composite Homogeneity:	Good

Location: 13c, Plaster House Portion Lab ID-Version‡: 9317045-1

Sample Layers	Asbestos Content
Tan Plaster	ND
Composite Non-Asbestos Content:	2% Synthetic Fibers < 1% Cellulose
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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3000 Lincoln Drive East, Suite A, Marlton, NJ 08053
(866) 871-1984 Fax (856) 334-1040 www.emlab.com

Client: Carlson McCain, Inc.
C/O: Jim Crowl, Christy Steman, CHMM
Re: St. Francis; 3765 Bridge St.

Date of Sampling: 08-04-2018
Date of Receipt: 08-08-2018
Date of Report: 08-13-2018

ASBESTOS PLM REPORT

Location: 13d, Plaster House Portion Lab ID-Version‡: 9317046-1

Sample Layers	Asbestos Content
Tan Plaster	ND
Composite Non-Asbestos Content:	2% Synthetic Fibers < 1% Cellulose
Sample Composite Homogeneity:	Good

Location: 13e, Plaster House Portion Lab ID-Version‡: 9317047-1

Sample Layers	Asbestos Content
Tan Plaster	ND
Composite Non-Asbestos Content:	2% Synthetic Fibers < 1% Cellulose
Sample Composite Homogeneity:	Good

Location: 14a, Ceiling Texture Basement Main Room Lab ID-Version‡: 9317048-1

Sample Layers	Asbestos Content
White Texture	ND
Sample Composite Homogeneity:	Good

Location: 14b, Ceiling Texture Basement Office Room Lab ID-Version‡: 9317049-1

Sample Layers	Asbestos Content
White Texture	ND
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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Client: Carlson McCain, Inc.
C/O: Jim Crowl, Christy Steman, CHMM
Re: St. Francis; 3765 Bridge St.

Date of Sampling: 08-04-2018
Date of Receipt: 08-08-2018
Date of Report: 08-13-2018

ASBESTOS PLM REPORT

Location: 14c, Ceiling Texture Basement Basement Bedroom Lab ID-Version‡: 9317050-1

Sample Layers	Asbestos Content
White Texture	ND
Sample Composite Homogeneity:	Good

Location: 15, Entry Way Linoleum Lab ID-Version‡: 9317051-1

Sample Layers	Asbestos Content
Tan Linoleum	ND
Composite Non-Asbestos Content:	15% Glass Fibers
Sample Composite Homogeneity:	Good

Location: 16, White Caulking Basement for Exhaust Pipe Lab ID-Version‡: 9317052-1

Sample Layers	Asbestos Content
White Caulk	ND
Sample Composite Homogeneity:	Good

Location: 17, White Mop Board Lab ID-Version‡: 9317053-1

Sample Layers	Asbestos Content
White Baseboard	ND
Yellow Mastic	ND
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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Client: Carlson McCain, Inc.
C/O: Jim Crowl, Christy Steman, CHMM
Re: St. Francis; 3765 Bridge St.

Date of Sampling: 08-04-2018
Date of Receipt: 08-08-2018
Date of Report: 08-13-2018

ASBESTOS PLM REPORT

Location: 18, Vibration Joint Furnace Basement Lab ID-Version‡: 9317054-1

Sample Layers	Asbestos Content
Black Non-Fibrous Material with glass weave	ND
Composite Non-Asbestos Content:	20% Nylon 5% Mineral Wool
Sample Composite Homogeneity:	Good

Location: 19, Fiberboard Basement Ceiling Lab ID-Version‡: 9317055-1

Sample Layers	Asbestos Content
Brown Fiberboard	ND
Composite Non-Asbestos Content:	85% Cellulose
Sample Composite Homogeneity:	Good

Location: 20, Duplicate Lab ID-Version‡: 9317056-1

Sample Layers	Asbestos Content
Beige Caulk	ND
Sample Composite Homogeneity:	Good

Location: 21, Brown 12" X 12" 2nd Floor Old Floor Tile Lab ID-Version‡: 9317057-1

Sample Layers	Asbestos Content
Brown Floor Tile	ND
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

EMLab P&K
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(866) 871-1984 Fax (856) 334-1040 www.emlab.com

Client: Carlson McCain, Inc.
C/O: Jim Crowl, Christy Steman, CHMM
Re: St. Francis; 3765 Bridge St.

Date of Sampling: 08-04-2018
Date of Receipt: 08-08-2018
Date of Report: 08-13-2018

ASBESTOS PLM REPORT

Location: 22, S. Front Entry Ceramic Tiles & Grout Lab ID-Version‡: 9317058-1

Sample Layers	Asbestos Content
Red Floor Tile	ND
Brown Grout	ND
Cream Mastic	ND
Sample Composite Homogeneity:	Good

Location: 23, Stove Brck & Mortar Lab ID-Version‡: 9317059-1

Sample Layers	Asbestos Content
Brown Brick	ND
Gray Mortar	ND
Sample Composite Homogeneity:	Good

Location: 24, 2nd Floor Caulking Sink Lab ID-Version‡: 9317062-1

Sample Layers	Asbestos Content
White Caulk	ND
Sample Composite Homogeneity:	Good

Location: 25, 1st Floor Caulking Bathroom Lab ID-Version‡: 9317063-1

Sample Layers	Asbestos Content
White Caulk	ND
Sample Composite Homogeneity:	Good

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Client: Carlson McCain, Inc.
C/O: Jim Crowl, Christy Steman, CHMM
Re: St. Francis; 3765 Bridge St.

Date of Sampling: 08-04-2018
Date of Receipt: 08-08-2018
Date of Report: 08-13-2018

ASBESTOS PLM REPORT

Location: 26, Tar Paper Under Original Wood Floors Lab ID-Version‡: 9317064-1

Sample Layers	Asbestos Content
Brown/Black Tar Paper	ND
Composite Non-Asbestos Content:	70% Cellulose
Sample Composite Homogeneity:	Good

Location: 27, 2nd Floor Linoleum Bathroom Lab ID-Version‡: 9317065-1

Sample Layers	Asbestos Content
Gray Sheet Flooring with Fibrous Backing	ND
Composite Non-Asbestos Content:	35% Cellulose
Sample Composite Homogeneity:	Good

Location: 28, Sheetrock Entry Lab ID-Version‡: 9317066-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	20% Cellulose
Sample Composite Homogeneity:	Good

Location: 29, New Sheetrock Entry Way Lab ID-Version‡: 9317067-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper & Yellow Paint	ND
Composite Non-Asbestos Content:	20% Cellulose
Sample Composite Homogeneity:	Good

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Client: Carlson McCain, Inc.
C/O: Jim Crowl, Christy Steman, CHMM
Re: St. Francis; 3765 Bridge St.

Date of Sampling: 08-04-2018
Date of Receipt: 08-08-2018
Date of Report: 08-13-2018

ASBESTOS PLM REPORT

Location: 30, Under Sink Linoleum Tiles Lab ID-Version‡: 9317068-1

Sample Layers	Asbestos Content
Brown Sheet Flooring	ND
Beige Paper	ND
Composite Non-Asbestos Content:	9% Cellulose
Sample Composite Homogeneity:	Good

Location: 31, Sink Sound Deadener Lab ID-Version‡: 9317069-1

Sample Layers	Asbestos Content
Black Sink Undercoating	ND
Sample Composite Homogeneity:	Good

Location: 32, Brown FT Kitchen Closet 12" X 12" Lab ID-Version‡: 9317070-1

Sample Layers	Asbestos Content
Brown/White Floor Tile	ND
Semi-Transparent Adhesive	ND
Sample Composite Homogeneity:	Good

Location: 33, Black FT Kitchen Closet 12" X 12" Lab ID-Version‡: 9317071-1

Sample Layers	Asbestos Content
Black Floor Tile	ND
Semi-Transparent Adhesive	ND
Composite Non-Asbestos Content:	3% Synthetic Fibers 2% Hair/Wool
Sample Composite Homogeneity:	Good

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Client: Carlson McCain, Inc.
C/O: Jim Crowl, Christy Steman, CHMM
Re: St. Francis; 3765 Bridge St.

Date of Sampling: 08-04-2018
Date of Receipt: 08-08-2018
Date of Report: 08-13-2018

ASBESTOS PLM REPORT

Location: 34, Wood Floor Planks Sticky

Lab ID-Version‡: 9317072-1

Sample Layers	Asbestos Content
Brown Flooring with Black Back	ND
Semi-Transparent Adhesive	ND
Composite Non-Asbestos Content:	2% Synthetic Fibers
Sample Composite Homogeneity:	Good

Location: 35, Garage Toilet Caulking

Lab ID-Version‡: 9317073-1

Sample Layers	Asbestos Content
Beige Caulk	ND
Sample Composite Homogeneity:	Good

Location: 36, Garage Sheetrock and Mud

Lab ID-Version‡: 9317074-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper	ND
White Joint Compound	ND
Composite Non-Asbestos Content:	18% Cellulose
Sample Composite Homogeneity:	Good

Location: 37, Duplicate

Lab ID-Version‡: 9317075-1

Sample Layers	Asbestos Content
Beige Caulk	ND
Sample Composite Homogeneity:	Good

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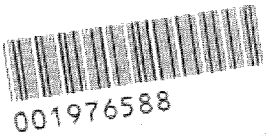
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".



Carlson McCain, Inc.
3890 Pheasant Ridge Dr.
Suite 100
Blaine MN 55449
763-489-7900

Samples Collected
8-4-18
By: Christine Stemen

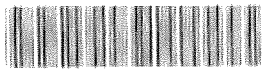
Report to: Jim Croul
jcroul@carlsonmccain.com

Project St. Francis
3765 Bridge St.

Standard 3 day TAT

01	Exterior white caulking Elec. Conduit west side	
02	white caulking East Side door Exterior	
03	Clear caulking N. Side Exterior	
04	Clear caulking E. Side Corner of west	
05	White caulking block walls basement Exterior	
06	Bolt gasket metal siding	
07	Roof and tar paper main area	
08	Siding tar paper (wood)	
09	Roof patching Chimney	
10	Garage bathroom floor tile 12"x12" Cream	
11a	Water proofing exterior basement block walls	Test until Pos.
11b	Water proofing	
11c	water proofing	
12a	Garage insulation	Test until Pos.
12b	Garage insulation	
12c	Garage insulation	
13a	Plaster house portion	Test until Pos.
13b	"	
13c	"	
13d	"	
13e	"	

Received 8/8/18 CS



14a Ceiling texture Basement main Rm Test w/ 1 Pos
14b " " " office Rm
14c " " " Basement Bedroom
15 Entry way Linoleum
16 white caulking basement fan exhaust pipe
17 white mop board
18 Vibration joint furnace basement
19 Fiber board basement ceiling
20 Duplicate
21 Brown 12" 12" 2nd Flr. old floor tile
22 S. Front entry ceramic tiles and grout
23 Stove brick and mortar
24 2nd Flr. Caulking sink
25 1st Flr. Caulking bathroom
26 Tar paper under original wood floors
27 2nd Flr. linoleum bathroom
28 Sheetrock Entry
29 New sheetrock entry way
30 Under sink linoleum tiles
31 Sink Sound deadener
32 Brown FT Kitchen closet 12"x12"
33 Black FT Kitchen closet 12"x12"
34 Wood floor planks Sticky
35 Garage toilet caulking
36 Garage Sheetrock and mud.
37 Duplicate.

Shipped FedEx - CS

RS Received 2/25/18 10:10 am

Appendix E: Lead Anaytical Results and Chain of Custody

OrderID: 351806357

351806357

Carlson McLain
3890 Pleasant Ridge Dr.
Suite 100
Blaine, M.N 55449
763-489-7900

Sampled 8-4-18
By Christy Sterman

Report to Jim Crowl
jcrowl@carlsonmclain

Standard 4 Day TAT

Project: St. Francis
3765 Bridge St.

L-1	LS ~~Black~~ Light Brown ~~Brown~~ paint	% by weight. SW 8446-7000B
L-2	~~LS~~ Dark brown trim paint	

Samples sent 2

Christy Sterman 8-6-18 @ 11:00 am
Shipped Fed Ex.

page 1 of 1

Addendum USmail 10:50am
8/8/18

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone/Fax: (763) 449-4922 / (763) 449-4924
http://www.EMSL.com minneapolislab@emsl.com

EMSL Order:	351806357
CustomerID:	PROS22
CustomerPO:	
ProjectID:	

Attn: **Jim Crowl**
Carlson McCain, Inc.
3890 Pheasant Ridge Drive
Suite 100
Blaine, MN 55449

Phone:	(763) 489-7900
Fax:	(763) 489-4959
Received:	08/08/18 10:50 AM
Collected:	8/4/2018

Project: **St. Francis 3765 Bridge st.**

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

Client SampleDescription	*Collected*	*Analyzed*	*RDL*	*Lead Concentration*
L-1	8/4/2018	8/13/2018	0.50 % wt	18 % wt
351806357-0001	Site: Light Brown paint			
L-2	8/4/2018	8/13/2018	0.50 % wt	4.7 % wt
351806357-0002	Site: Dark brown trim paint			

Rachel Travis, Laboratory Manager
or other approved signatory

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Minneapolis, Mn AIHA-LAP, LLC--ELLAP Accredited #163162

Initial report from 08/13/2018 17:41:03