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August 20, 2019

Ms. Kathie Bailey  
SMDC Executive Director  
Snowy Mountain Development Corporation  
613 NE Main  
Lewiston, MT 59457

**RE: Former Farmers Union, Final Hazardous Material Survey Report, Roundup, Montana, Task Order 09**

Dear Ms. Bailey,

In accordance with Contract 15475, Task Order 09, Weston Solutions, Inc. (WESTON®) is pleased to provide you with the Final Hazardous Material Survey Report for Former Farmers Union, which contains a brief summary of field events, results, and conclusions. There were no comments from stakeholders on the draft report; therefore, this report is being finalized with no changes. An electronic copy of this final report is also being submitted to Mr. Greg Davis at the USEPA for his files, along with a courtesy copy to Mr. Jason Seyler at the Montana Department of Environmental Quality.

**Introduction and Project Background**

Snowy Mountain Development Corporation (SMDC) contracted Weston Solutions, Inc. (WESTON) to conduct a Hazardous Material Survey (HMS) at Former Farmers Union located at 101 2<sup>nd</sup> Street East, Roundup, Musselshell County, Montana (Site) (**Figure 1**). The legal description for the property is: Roundup Original Townsite, Section 13, Township 08 N, Range 25 E, Block 022, Lot 005, E 84 FT of Lts 5 & 6 BLK 22 RND ORIG. The Site is located at the corner of 2<sup>nd</sup> Street East and 1<sup>st</sup> Avenue East. The Site consist of a 1,648 square foot two-story wood building with a basement that was constructed in 1935. The building was most recently used as a foodbank and is currently unoccupied.

The HMS was conducted in accordance with the WESTON prepared, USEPA approved *Final Sampling and Analysis Plan For a Hazardous Material Survey, Former Farmers Union* (June 2019). The purpose of the survey was to identify Asbestos Containing Materials (ACM), Lead-Based Paint (LBP) or other hazardous materials which must be addressed prior to the planned demolition of the building.

The HMS was conducted on June 20, 2019 by Ms. Sarah Ricard, a Montana-accredited asbestos building inspector and EPA-certified LBP Inspector, who was assisted by Mr. Andrew Funk. The HMS was conducted in accordance with Administrative Rules of MT (ARM) 17.74.315 and 40 Code of Federal Regulations (CFR) Part 745.225 (c)(5) and the Asbestos Hazard Emergency Response Ave (AHERA) standards (EPA, 1985).

## **Description of Work Performed**

The HMS included visual inspections, X-ray fluorescence (XRF) field screening, and sample collection for laboratory analysis. Details of the individual media investigations along with rationale are presented below. Photographs of field activities are provided as **Attachment A** and field notes are provided in **Attachment B**.

### *Asbestos-Containing Material Survey*

Due to the age of the building at the Site, this HMS involved an ACM survey, including the collection of bulk asbestos samples in order to establish the extent and presence of ACM. Surveys were conducted by State of Montana-accredited Asbestos Building Inspector, Ms. Sarah Ricard. Visual inspections were conducted on areas of the structures where an individual performing demolition or renovation operations may encounter regulated asbestos-containing material (RACM). Sample locations and the total number of samples were based on Asbestos Hazard Emergency Response Act (AHERA) standards (EPA, 1985), the Administrative Rules of Montana (ARM) (ARM, 2011), and/or the best professional judgment of the inspector. Each potential RACM location was touched to determine if it was friable. Bulk samples were collected of all suspect friable and non-friable RACM in accordance with ARM (ARM, 2011) and submitted to an asbestos-certified laboratory for analysis.

Personnel performing the sampling wore personal protective equipment appropriate to the hazard(s) presented and included gloves, Tyvek, booties, hard hats, and/or high-efficiency particulate air respiratory protection. Asbestos bulk samples were randomly collected using the grid system described in the EPA publication “*Asbestos in Buildings – Simplified Sampling Scheme for Friable Surfacing Materials*” (EPA, 2017) and following the ARM (ARM, 2011). General sampling guidelines were followed in accordance with ARM (ARM, 2011).

### *Lead-Based Paint Survey*

Due to the age of the building at the Site, this HMS involved a LBP survey conducted by an EPA-certified LBP Inspector, Ms. Sarah Ricard. The LBP survey was conducted using an XRF instrument on painted surfaces to determine if materials were positive for lead (greater than or equal to ( $\geq$ ) 1 milligram per square centimeter [ $\text{mg}/\text{cm}^2$ ]). Visual inspections were conducted on accessible areas of the buildings and XRF readings were collected based upon the best professional judgment of the risk assessor.

XRF in-situ readings were collected using a Thermo NITON XL2 handheld XRF instrument to analyze painted and coated surfaces (interior and exterior) for lead during field activities. XRF readings were collected from walls, windows, and other painted surfaces in each room equivalent. Room equivalents include painted or coated surfaces that are not considered to be separate rooms such as hallways and closets. A representative number of sample readings were collected from a subset of rooms considered by the certified LBP inspector to be of like coated surfaces.



In general, locations where the paint appeared to be thickest were selected for XRF analysis. Locations where paint was worn away or scraped off were avoided. Areas over pipes, electrical surfaces, nails, and other possible interferences were also avoided. The XRF probe faceplate was allowed to lie flat against the surface of the test location to obtain a quality reading.

#### Other Hazardous Materials Survey

Due to the age of the building, visual inspections were conducted for PCB-containing ballasts and mercury-containing thermostats. The visual inspection included presence/non-presence determination of the hazards. Quantity and location were documented where possible, but no samples were collected.

#### Summary of Results

The following section presents the results and analysis of laboratory results. Laboratory Analytical results can be found in **Attachment C**.

#### Asbestos-Containing Material

A total of 81 bulk samples were collected from the building and submitted for PLM analysis. The following table lists the number of samples that were collected of each bulk material.

<b>Bulk Material</b>	<b>Number of Samples Collected</b>
Carpet	9
Linoleum	3
Base Board	3
Concrete (floors and foundation)	9
Dry Wall	9
Insulation	3
Cinder Block	6
Stucco	3
Ceiling Tile	6
Window Glazing	3
Brick and Mortar	3
Wall Paneling	3
Roofing Material	21
<b>Total</b>	<b>81</b>

The following assumptions and items of note were made during the ACM survey:

- No suspect weather stripping on doors was observed.
- Ceiling tiles were present in Room C of the first floor and in the entirety of the second floor.
- No pipe insulation or boiler jackets were observed.
- A chimney was identified on the first floor, the brick and mortar were sampled for asbestos, the door to the chimney was opened and no other building material was identified inside.
- No sink coatings were encountered.
- An exterior storage area (Storage), only accessible from the rear of the building, was padlocked and inaccessible to field personnel (**Photo 4, Attachment A**). The area is approximately 10 feet by 7.5 feet with a sloping roof at an average height of approximately 7 feet high (approximately 202.5 square feet [sq. ft.]) (**Figure 2**). The entrance wall and door are wood; therefore, are not suspect ACM. It is to be assumed that the building material inside the room is ACM if it is not wood, metal, or glass or until further sampling is completed.

Of the 81 bulk samples collected and submitted for PLM analysis, nine (9) samples were reported to be “positive” for asbestos (>1% asbestos). Asbestos results ranged from 4% to 35% total asbestos. Asbestos is present in roofing material (approximately 480 sq. ft.). ACM sample collection locations and approximate extent of ACM are presented on **Figure 2**. The confirmed ACM sample(s), the asbestos-containing layer(s), and the estimated volume of ACM is presented in **Table 1**. The laboratory results are provided in **Attachment C**.

#### Lead-Based Paint

A total of 76 XRF readings were taken from both the interior and exterior of the building. The following table presents the readings collected from the building.

Location/Reading Type	Reading Count
Interior	53
Exterior	21

The following assumptions and item of note were observed during the LBP survey:

- There were many different interior paint colors; all paint colors were tested for LBP.
- Room D, F, and Storage are exterior storage areas (**Figure 3**).

- An exterior storage area (Storage), only accessible from the rear of the building, was padlocked and inaccessible to field personnel (**Photo 4, Attachment A**). The area is approximately 10 feet by 7.5 feet with a sloping roof at an average height of approximately 7 feet high (approximately 202.5 sq. ft.) (**Figure 3**). It is to be assumed that the building material inside the room contains LBP if it is painted or until further XRF screening or sampling is completed.

Of the 76 XRF readings, a total of ten (10) readings were positive for lead contamination ( $\geq 1$  mg/cm<sup>2</sup>). The following table lists the location, current surface paint color, and estimated extent of LBP present at the Site.

Location (# of Positive Readings)	Current Surface Paint Color	Estimated Extent (Square Feet)
<b>Interior</b>		
Wall (3)	White	208
Door Frame (2)	White	4.5
<b>Exterior</b>		
Ceiling (1)	White	24
Door Frame (1)	White	4.5
Wall (2)	White	49
Window (1)	White	9

Based on the XRF results, elevated lead concentrations are present on interior walls and door frames, and exterior window frames, walls, door frames, and ceilings. A complete list of XRF readings is presented in **Table 2**. The location and approximate extent of LBP identified is presented on **Figure 3**.

Other Hazardous Materials

The following observations were made during visual inspections:

- One (1) potential PCB-containing fluorescent light fixture was observed on the second floor of the building (**Photo 10, Attachment A**).
- One (1) mercury-containing thermostat was observed on the first floor of the building (**Figure 3**).

## **Conclusions**

Based on the results of the surveys and sampling conducted at the Site, ACM is present on approximately 480 sq. ft. of roofing material and assumed to be present on approximately 202.5 sq. ft. of the Storage room. LBP is present on a total of approximately 299 square feet of window and door trim, walls, and ceilings of the building, and assumed to be present on approximately 202.5 sq. ft. of the Storage room. One potential PCB-containing light fixture was observed on the second floor and a single mercury thermostat was identified on the first floor of the building.

## **Recommendations**

As a result of the HMS conducted at the Site, WESTON recommends the following:

- Based on the ACM identified at the Site and planned demolition of the building, WESTON recommends contracting an accredited asbestos remediation company to assess hazard risk and determine appropriate remedial actions to address ACM at the Site prior to demolition (e.g., abatement, encapsulation, etc.). ACM remediation is recommended prior to demolition activities at the Site. Prior to any demolition, a proper plan for mitigation and/or disposal of ACM should be developed, and any work conducted should be performed by a company certified to handle ACM. In addition, for the inaccessible area, building materials that are not wood, metal, or glass should be disposed as ACM unless additional sampling occurs prior to demolition.
- WESTON recommends contracting an accredited lead remediation company to assess hazard risk and determine appropriate remedial actions to address LBP at the Site prior to demolition (e.g., encapsulation, chemical striping, removal, etc.). LBP regulations applicable to remediation project design and abatement activities such as EPA's RRP Rule and HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (2012 edition) (HUD, 2012) should be followed. If construction materials are to be removed, it is recommended that the construction debris disposal facility be contacted to determine if TCLP samples will be required. In addition, for the inaccessible area, painted materials present within the room are assumed to be LBP unless additional sampling occurs prior to demolition.
- The potential PCB-containing light fixture should be properly removed and disposed of prior to demolition activities.
- The mercury ampule should be removed and properly disposed of prior to demolition activities.



Respectfully submitted,

Prepared by:  Date: 8/20/2019  
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Enclosure

Tables

- Table 1 – Positive Asbestos Containing Material Results and Estimated Volumes
- Table 2 - Lead Based Paint Screening Results

Figures

- Figure 1 – Site Vicinity Map
- Figure 2 – Asbestos Containing Material, Roof
- Figure 3 – Lead Based Paint, First Floor

Attachments

- Attachment A - Photo Log
- Attachment B - Field Notes
- Attachment C - Laboratory Report

CF (electronically):

Mr. Greg Davis, USEPA  
Mr. Jason Seyler, MDEQ

## **TABLES**

**Table 1**  
**Positive ACM Sample Results and Estimated Volumes**  
**Former Farmers Union**

Sample ID	Physical Description	ACM Layer	Location*	Result	Estimated Extent (Square Feet)
FFU-EX-RF02-064	Roofing Material	A- Black Tar	North side of the roof	4 % Chrysotile	480
FFU-EX-RF02-065	Roofing Material	A- Black Tar		5% Chrysotile	
FFU-EX-RF02-066	Roofing Material	A- Black Tar		5% Chrysotile	
FFU-EX-RF03-067	Roofing Material	B- Black Felt		30% Chrysotile	
FFU-EX-RF03-068	Roofing Material	B- Black Felt		30% Chrysotile	
FFU-EX-RF03-069	Roofing Material	B- Black Felt		30% Chrysotile	
FFU-EX-RF05-070	Roofing Material	B- Black Felt		35% Chrysotile	
FFU-EX-RF05-071	Roofing Material	B- Black Felt		35% Chrysotile	
FFU-EX-RF05-072	Roofing Material	B- Black Felt		35% Chrysotile	

Notes:

% - Percent

ACM - Asbestos Containing Material

\* = See Figure 2

Table 2										
Lead Based Paint Screening Results										
Former Farmers Union										
Reading No.	Date	Time	Location	Room	Component	Substrate	Color	Results	Lead (mg/cm <sup>2</sup> )	(+/-) Error
<b>Calibration Checks</b>										
7	6/20/2019	8:55:00 AM	SYSTEM CHECK	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8	6/20/2019	8:57:00 AM	SYSTEM CHECK	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9	6/20/2019	9:01:00 AM	CALIBRATION CHECK	N/A	SRM 2573	N/A	RED	INCONCLUSIVE	1.04	0.1
10	6/20/2019	9:01:00 AM	CALIBRATION CHECK	N/A	SRM 2570	N/A	WHITE	NEGATIVE	<LOD	0.08
11	6/20/2019	9:01:00 AM	CALIBRATION CHECK	N/A	SRM 2570	N/A	WHITE	NEGATIVE	<LOD	0.01
12	6/20/2019	1:24:00 PM	SYSTEM CHECK	N/A	N/A	N/A	N/A	N/A	N/A	N/A
13	6/20/2019	1:26:00 PM	SYSTEM CHECK	N/A	N/A	N/A	N/A	N/A	N/A	N/A
90	6/20/2019	2:08:00 PM	SYSTEM CHECK	N/A	N/A	N/A	N/A	N/A	N/A	N/A
91	6/20/2019	2:10:00 PM	SYSTEM CHECK	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Screening Results</b>										
14	6/20/2019	1:29:00 PM	INTERIOR	A	DOOR	WOOD	PURPLE	Negative	<LOD	0.01
15	6/20/2019	1:30:00 PM	INTERIOR	A	DOOR FRAME	WOOD	WHITE	Negative	<LOD	0.01
16	6/20/2019	1:32:00 PM	INTERIOR	A	WALL	DRYWALL	PEACH	Negative	0.39	0.22
17	6/20/2019	1:32:00 PM	INTERIOR	A	WALL	DRYWALL	BLUE	Negative	<LOD	0.29
18	6/20/2019	1:33:00 PM	INTERIOR	A	WALL	DRYWALL	BLUE	Negative	<LOD	1.19
19	6/20/2019	1:33:00 PM	INTERIOR	A	WALL	DRYWALL	BLUE	Negative	<LOD	0.01
20	6/20/2019	1:34:00 PM	INTERIOR	A	WALL	DRYWALL	BLUE	Negative	<LOD	0.01
21	6/20/2019	1:34:00 PM	INTERIOR	A	WALL	DRYWALL	BLUE	Negative	<LOD	0.38
22	6/20/2019	1:35:00 PM	INTERIOR	A	WALL	DRYWALL	PURPLE	Negative	<LOD	0.04
23	6/20/2019	1:36:00 PM	INTERIOR	A	WALL	DRYWALL	BROWN	Negative	<LOD	0.01
24	6/20/2019	1:36:00 PM	INTERIOR	A	WALL	DRYWALL	PURPLE	Negative	<LOD	0.09
25	6/20/2019	1:37:00 PM	INTERIOR	A	WALL	DRYWALL	YELLOW	Negative	<LOD	0.86
26	6/20/2019	1:38:00 PM	INTERIOR	A	WALL	DRYWALL	BLUE	Negative	0.5	0.28
27	6/20/2019	1:38:00 PM	INTERIOR	A	WALL	DRYWALL	BLUE	Negative	<LOD	0.16
28	6/20/2019	1:39:00 PM	INTERIOR	A	WALL	DRYWALL	PURPLE	Negative	<LOD	0.13
29	6/20/2019	1:40:00 PM	INTERIOR	B	TRIM	WOOD	WHITE	Negative	<LOD	0.12
30	6/20/2019	1:40:00 PM	INTERIOR	B	WALL	DRYWALL	WHITE	Negative	0.14	0.03
31	6/20/2019	1:40:00 PM	INTERIOR	B	WALL	DRYWALL	WHITE	Negative	0.19	0.05
32	6/20/2019	1:40:00 PM	INTERIOR	B	WALL	DRYWALL	WHITE	Negative	<LOD	0.03
33	6/20/2019	1:40:00 PM	INTERIOR	B	WALL	DRYWALL	WHITE	Negative	<LOD	0.02
34	6/20/2019	1:41:00 PM	INTERIOR	C	WALL	PLASTER	WHITE	Positive	1.44	0.23
35	6/20/2019	1:41:00 PM	INTERIOR	C	WALL	PLASTER	WHITE	Positive	1.82	0.37
36	6/20/2019	1:42:00 PM	INTERIOR	C	WALL	PLASTER	WHITE	Positive	2.04	0.48
37	6/20/2019	1:42:00 PM	INTERIOR	C	WALL	PLASTER	WHITE	Negative	0.6	0.14
38	6/20/2019	1:42:00 PM	INTERIOR	C	WALL	PLASTER	WHITE	Negative	0.44	0.11
39	6/20/2019	1:43:00 PM	INTERIOR	C	DOOR TRIM	WOOD	WHITE	Positive	6.3	1.83
40	6/20/2019	1:43:00 PM	INTERIOR	C	DOOR TRIM	WOOD	WHITE	Positive	27.65	12.22
41	6/20/2019	1:44:00 PM	INTERIOR	C	DOOR TRIM	DRYWALL	BEIGE	Negative	<LOD	0.01
42	6/20/2019	1:45:00 PM	INTERIOR	C	DOOR TRIM	DRYWALL	WHITE	Negative	<LOD	0.1
43	6/20/2019	1:45:00 PM	INTERIOR	C	TRIM	DRYWALL	WHITE	Negative	<LOD	0.11
44	6/20/2019	1:46:00 PM	INTERIOR	E	WALL	WOOD	WHITE	Negative	<LOD	0.16
45	6/20/2019	1:48:00 PM	INTERIOR	A	WINDOW FRAME	WOOD	BLUE	Negative	<LOD	0.3
46	6/20/2019	1:48:00 PM	INTERIOR	A	WINDOW FRAME	WOOD	BLUE	Negative	<LOD	0.22
47	6/20/2019	1:48:00 PM	INTERIOR	A	WINDOW FRAME	WOOD	BLUE	Negative	<LOD	0.23
48	6/20/2019	1:48:00 PM	INTERIOR	A	WINDOW FRAME	WOOD	WHITE	Negative	<LOD	0.15
49	6/20/2019	1:48:00 PM	INTERIOR	A	WINDOW FRAME	WOOD	WHITE	Negative	<LOD	0.11
50	6/20/2019	1:50:00 PM	INTERIOR	A	CEILING	DRYWALL	WHITE	Negative	<LOD	0.08
51	6/20/2019	1:51:00 PM	INTERIOR	SECOND FLOOR	WALL	DRYWALL	WHITE	Negative	<LOD	0.13
52	6/20/2019	1:51:00 PM	INTERIOR	SECOND FLOOR	FLOOR	WOOD	WHITE	Negative	<LOD	0.01
53	6/20/2019	1:52:00 PM	INTERIOR	SECOND FLOOR	TRIM	WOOD	WHITE	Negative	<LOD	0.1
54	6/20/2019	1:54:00 PM	INTERIOR	BASEMENT	FLOOR	WOOD	WHITE	Negative	<LOD	0.05
55	6/20/2019	1:54:00 PM	INTERIOR	BASEMENT	WALL	DRYWALL	BLUE	Negative	<LOD	0.01
56	6/20/2019	1:55:00 PM	INTERIOR	BASEMENT	WALL	CONCRETE	WHITE	Negative	<LOD	0.01
57	6/20/2019	1:55:00 PM	INTERIOR	BASEMENT	WALL	CONCRETE	WHITE	Negative	<LOD	0.1
58	6/20/2019	1:55:00 PM	INTERIOR	BASEMENT	WALL	CONCRETE	WHITE	Negative	<LOD	0.1
59	6/20/2019	1:55:00 PM	INTERIOR	BASEMENT	WALL	DRYWALL	BLUE	Negative	<LOD	0.08
60	6/20/2019	1:56:00 PM	INTERIOR	BASEMENT	CEILING	DRYWALL	WHITE	Negative	<LOD	0.01
61	6/20/2019	1:57:00 PM	EXTERIOR	D	WALL	CONCRETE	WHITE	Negative	<LOD	0.01
62	6/20/2019	1:57:00 PM	EXTERIOR	D	WALL	WOOD	WHITE	Negative	<LOD	0.01
63	6/20/2019	1:57:00 PM	EXTERIOR	D	WALL	WOOD	WHITE	Positive	3.99	1.9
64	6/20/2019	1:57:00 PM	EXTERIOR	D	WALL	WOOD	WHITE	Positive	2.49	0.64
65	6/20/2019	1:58:00 PM	EXTERIOR	D	DOOR	WOOD	WHITE	Negative	<LOD	0.24
66	6/20/2019	1:58:00 PM	EXTERIOR	D	DOOR FRAME	WOOD	WHITE	Positive	2.32	0.72
67	6/20/2019	1:59:00 PM	EXTERIOR	D	CEILING	WOOD	WHITE	Negative	<LOD	0.01
68	6/20/2019	1:59:00 PM	EXTERIOR	D	CEILING	WOOD	WHITE	Positive	4.61	1.7
69	6/20/2019	2:00:00 PM	EXTERIOR	BACK	WALL	WOOD	WHITE	Negative	<LOD	0.07
70	6/20/2019	2:00:00 PM	EXTERIOR	BACK	WALL	METAL	WHITE	Negative	<LOD	0.14
71	6/20/2019	2:00:00 PM	EXTERIOR	BACK	WALL	CONCRETE	WHITE	Negative	<LOD	0.11
72	6/20/2019	2:01:00 PM	EXTERIOR	BACK	TRIM	WOOD	WHITE	Negative	<LOD	0.46

Reading No.	Date	Time	Location	Room	Component	Substrate	Color	Results	Lead (mg/cm <sup>2</sup> )	(+/-) Error
73	6/20/2019	2:01:00 PM	EXTERIOR	BACK	TRIM	WOOD	WHITE	Positive	1.42	0.27
74	6/20/2019	2:02:00 PM	EXTERIOR	NORTH	WALL	CONCRETE	WHITE	Negative	<LOD	0.09
75	6/20/2019	2:03:00 PM	EXTERIOR	NORTH	WALL	CONCRETE	WHITE	Negative	<LOD	0.14
76	6/20/2019	2:03:00 PM	EXTERIOR	NORTH	WALL	CONCRETE	WHITE	Negative	<LOD	0.01
77	6/20/2019	2:03:00 PM	EXTERIOR	NORTH	TRIM	CONCRETE	WHITE	Negative	0.44	0.25
78	6/20/2019	2:03:00 PM	EXTERIOR	NORTH	TRIM	CONCRETE	WHITE	Negative	<LOD	0.01
79	6/20/2019	2:04:00 PM	EXTERIOR	FRONT	WALL	WOOD	WHITE	Negative	<LOD	0.06
80	6/20/2019	2:04:00 PM	EXTERIOR	FRONT	WALL	WOOD	WHITE	Negative	<LOD	0.08
81	6/20/2019	2:04:00 PM	EXTERIOR	FRONT	WALL	WOOD	BROWN	Negative	<LOD	0.14
82	6/20/2019	2:04:00 PM	EXTERIOR	FRONT	WALL	WOOD	BROWN	Negative	<LOD	0.2
83	6/20/2019	2:04:00 PM	EXTERIOR	FRONT	WALL	WOOD	WHITE	Negative	<LOD	0.09
84	6/20/2019	2:04:00 PM	EXTERIOR	FRONT	WALL	WOOD	WHITE	Negative	<LOD	0.01
85	6/20/2019	2:05:00 PM	EXTERIOR	FRONT	TRIM	WOOD	RED	Negative	<LOD	0.14
86	6/20/2019	2:05:00 PM	EXTERIOR	SOUTH	WINDOW	WOOD	WHITE	Negative	<LOD	0.01
87	6/20/2019	2:06:00 PM	EXTERIOR	SOUTH	WINDOW	WOOD	WHITE	Negative	<LOD	0.05
88	6/20/2019	2:06:00 PM	EXTERIOR	SOUTH	WINDOW	WOOD	WHITE	Negative	<LOD	0.01
89	6/20/2019	2:06:00 PM	EXTERIOR	SOUTH	DOOR	WOOD	RED	Negative	<LOD	0.01

Notes:

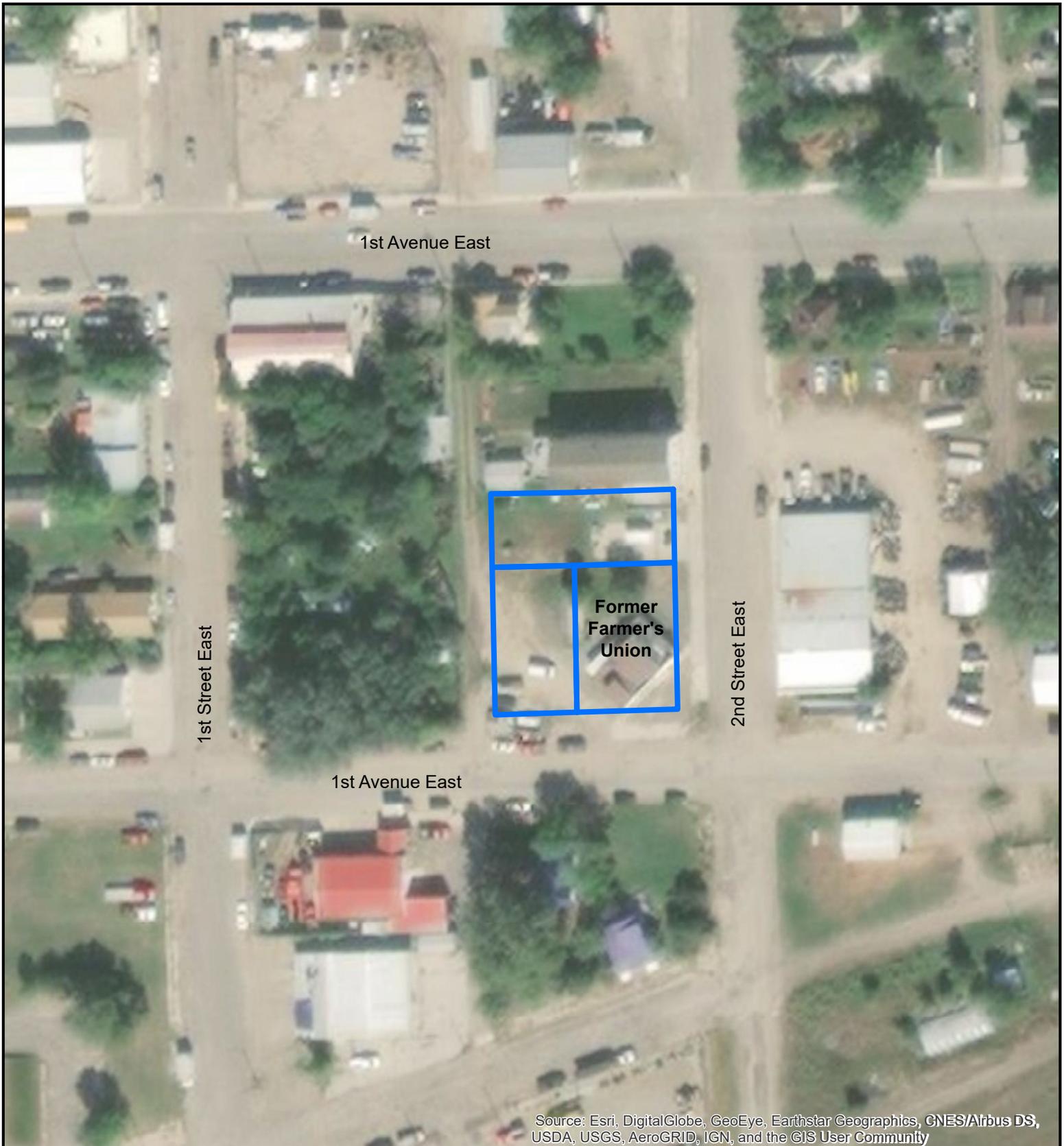
LOD = Level of Detection

mg/cm<sup>2</sup> = milligram per cubic centimeter

No. = Number

SRM = Standard Reference Material

## **FIGURES**



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

### Legend

 Parcel Boundary

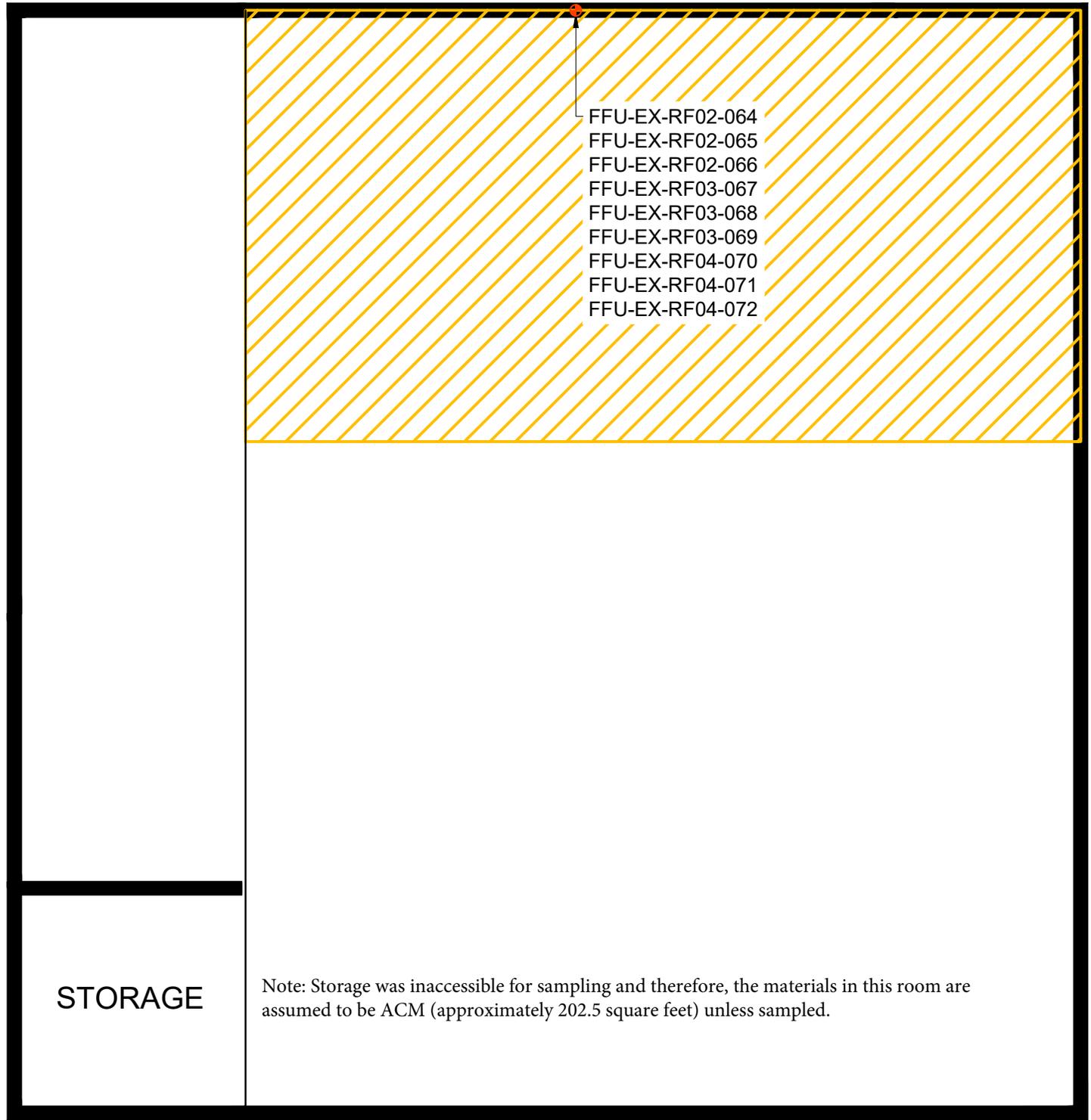
0 50 100 200 Feet



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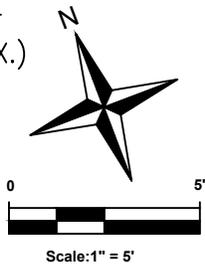


**Figure 1 - Site Vicinity Map**  
**Former Farmer's Union**  
**101 2nd Street East**  
**Roundup, MT**



**LEGEND:**

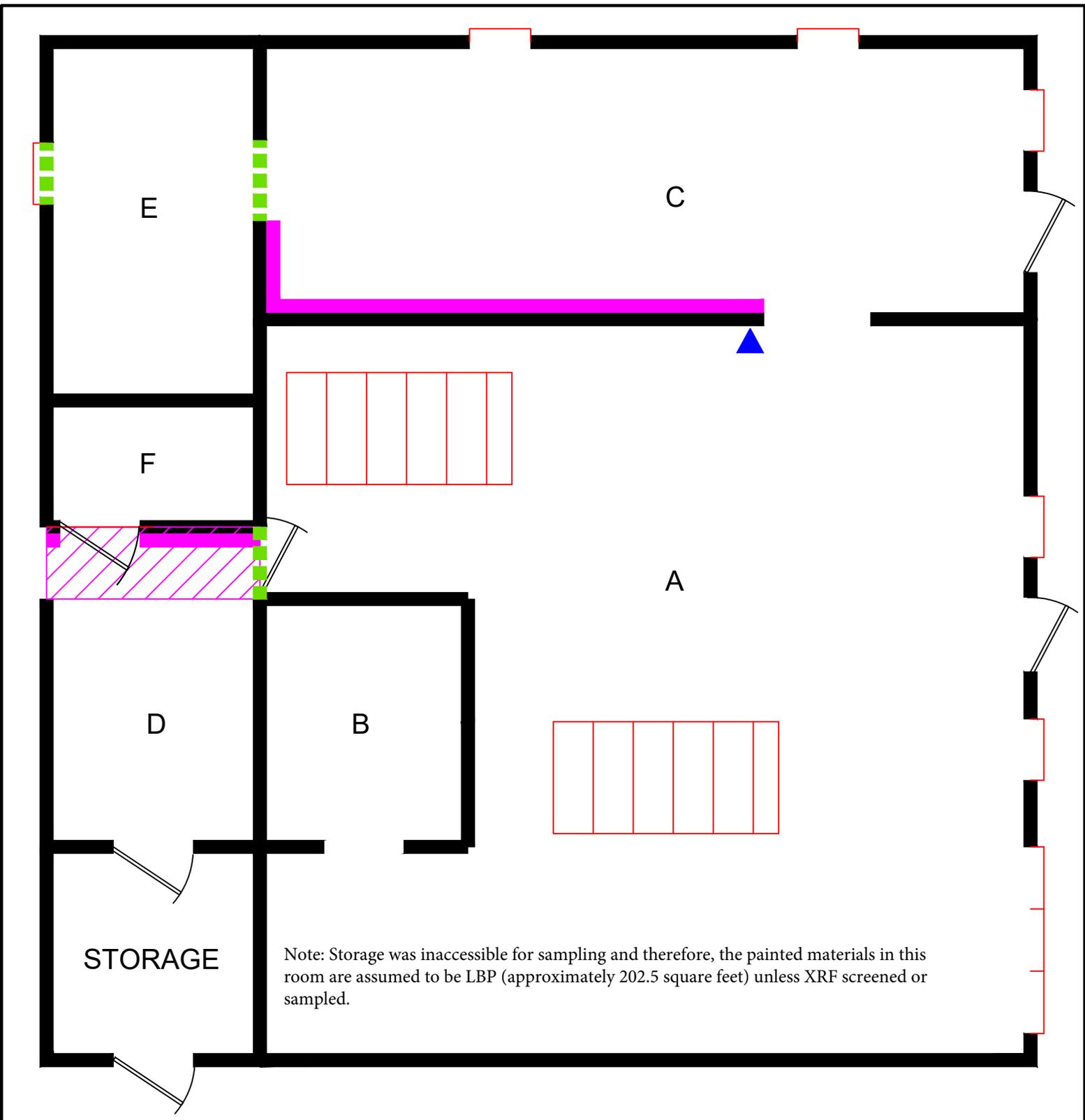
- ACM ASBESTOS CONTAINING MATERIAL
-  ACM SAMPLE LOCATION (APPROX.)
-  ACM ROOFING



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 805 N. Last Chance Gulch  
 Helena, MT 59601

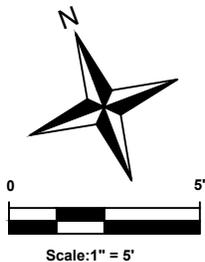


**FIGURE 2 - ASBESTOS CONTAINING MATERIAL**  
**FORMER FARMERS'S UNION**  
**101 2nd STREET EAST**  
**ROUNDUP, MT**



**LEGEND:**

- LBP LEAD BASED PAINT
- LBP WALLS
- LBP DOOR/WINDOW FRAMES
- LBP CEILING
- EXISTING WINDOW



Prepared By:  
 Weston Solutions, Inc  
 805 N. Last Chance Gulch  
 Helena, MT 59601



**FIGURE 3 - LEAD BASED PAINT  
 FORMER FARMERS'S UNION  
 101 2nd STREET EAST  
 ROUNDUP, MT**

## **ATTACHMENTS**

**ATTACHMENT A  
PHOTO LOG**

<b>Project Name:</b> Former Farmers Union	<b>Site Location:</b> Roundup, Montana	<b>Task Order No.</b> 09
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<b>Photo No.</b> <b>1</b>	<b>Date:</b> 06/20/2019
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**Description:**

The rear and southwest side of the building. The roofing material shown is different from the other side of the building and tested negative for asbestos.



<b>Photo No.</b> <b>2</b>	<b>Date:</b> 06/20/2019
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**Description:**

The front and northeast side of the building. The roofing material shown tested positive for asbestos.



<b>Project Name:</b> Former Farmers Union	<b>Site Location:</b> Roundup, Montana	<b>Task Order No.</b> 09
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<b>Photo No.</b> <b>3</b>	<b>Date:</b> 06/20/2019
<b>Description:</b>  Sarah Ricard XRF screening the ceiling in Room D for LBP. This ceiling screened positive for lead.	



<b>Photo No.</b> <b>4</b>	<b>Date:</b> 06/20/2019
<b>Description:</b>  Inside Room D, and the entrance to the inaccessible storage area.	



<b>Project Name:</b> Former Farmers Union	<b>Site Location:</b> Roundup, Montana	<b>Task Order No.</b> 09
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<b>Photo No.</b> <b>5</b>	<b>Date:</b> 06/20/2019
<b>Description:</b>  Fiberglass insulation used throughout the building.	



<b>Photo No.</b> <b>6</b>	<b>Date:</b> 06/20/2019
<b>Description:</b>  The chimney identified on the first floor in Room E did not test positive for asbestos.	



<b>Project Name:</b> Former Farmers Union	<b>Site Location:</b> Roundup, Montana	<b>Task Order No.:</b> 09
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<b>Photo No.:</b> 7	<b>Date:</b> 06/20/2019
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**Description:**

A light ballast indicating no PCBs.



<b>Photo No.:</b> 8	<b>Date:</b> 06/20/2019
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**Description:**

View of basement. No ACM or LBP were identified in the basement.



<b>Project Name:</b> Former Farmers Union	<b>Site Location:</b> Roundup, Montana	<b>Task Order No.</b> 09
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<b>Photo No.</b> <b>9</b>	<b>Date:</b> 06/20/2019
<b>Description:</b>  Room C interior walls and door frame identified to have LBP.	



<b>Photo No.</b> <b>10</b>	<b>Date:</b> 06/20/2019
<b>Description:</b>  View of second floor room. No LBP or ACM were identified on this floor. Potential PCB-containing light fixture shown in top right of photo.	



<b>Project Name:</b> Former Farmers Union	<b>Site Location:</b> Roundup, Montana	<b>Task Order No.</b> 09
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<b>Photo No.</b> <b>11</b>	<b>Date:</b> 06/20/2019
<b>Description:</b>  View of rear exterior window trim that screened positive for LBP.	



<b>Photo No.</b> <b>12</b>	<b>Date:</b> 06/20/2019
<b>Description:</b>  Roofing material that tested positive for asbestos. This section of the roof had a total of six layers.	



**ATTACHMENT B**  
**FIELD NOTES**

Project: Former Farmer's Union

page 1/4

Date: 6/20/19

Inspector: Sarah Ricard

Sample ID	Material	Location	Estimated Extent	Notes
FFU-FF-CP01-001	carpet			Light grey
FFU-FF-CP01-002	carpet			↓
FFU-FF-CP01-003	carpet			↓
FFU-FF-CP02-004	carpet			Light grey & light blue
FFU-FF-CP02-005	carpet			↓ mix
FFU-FF-CP02-006	carpet			
FFU-FF-LN01-007	linoleum			cream & gray mix
FFU-FF-LN01-008	linoleum			↓
FFU-FF-LN01-009	linoleum			↓
FFU-FF-BB01-010	baseboard			gray
FFU-FF-BB01-011	baseboard			↓
FFU-FF-BB01-012	baseboard			↓
FFU-FF-CC01-013	concrete floor			unpainted, single par
FFU-FF-CC01-014	concrete floor			↓
FFU-FF-CC01-015	concrete floor			↓
FFU-FF-DW01-016	Drywall			drywall
FFU-FF-DW01-017	Drywall			↓
FFU-FF-DW01-018	Drywall			↓
FFU-FF-IN01-019	insulation			Blue panels
FFU-FF-IN01-020	insulation			↓
FFU-FF-IN01-021	insulation			Painted white
FFU-FF-CB01-022	cinder block			↓
FFU-FF-CB01-023	cinder block			↓
FFU-FF-CB01-024	cinder block			↓
FFU-FF-ST01-025	stucco			Painted white
FFU-FF-ST01-026	stucco			↓

Project: Former Farmer's Union		page 2/4		
Date: 6/20/19				
Inspector: Sarah Ricard				
Sample ID	Material	Location	Estimated Extent	Notes
FFU-FF-ST01-027	stucco			Painted white
FFU-FF-CT01-028	Ceiling tile			~ 2'x3', white speckled
FFU-FF-CT01-029	Ceiling tile			↓
FFU-FF-CT01-030	Ceiling tile			Painted white
FFU-FF-DW02-031	drywall			↓
FFU-FF-DW02-032	drywall			
FFU-FF-DW02-033	drywall			
FFU-FF-WG01-034	window glazing			white
FFU-FF-WG01-035	↓			↓
FFU-FF-WG01-036	↓			
FFU-FF-BM01-037	Brick & Mortar			Chimney
FFU-FF-BM01-038	↓			↓
FFU-FF-BM01-039	↓			
FFU-SF-CP03-040	Carpet			Brown, yellow, orange
FFU-SF-CP03-041	↓			↓
FFU-SF-CP03-042	↓			
FFU-SF-WP01-043	wood panneling over drywall			wood composite panneling over DW02
FFU-SF-WP01-044	↓			↓
FFU-SF-WP01-045	↓			
FFU-SF-CT02-046	Ceiling tile			1'x1' white with design
FFU-SF-CT02-047	↓			↓
FFU-SF-CT02-048	↓			
FFU-BS-CC02-049	concrete floors			single pair unpainted
FFU-BS-CC02-050	↓			↓
FFU-BS-CC02-051	↓			
FFU-BS-CB02-052	concrete blocks			Painted white; unpainted

Project: Former Farmers Union

Page 3/4

Date: 10/20/2019

Inspector: Sarah Ricard

Sample ID	Material	Location	Estimated Extent	Notes
FFU-BS-CB02-053	concrete blocks			
FFU-BS-CB02-054	↓			↓
FFU-BS-DW03-055	Dry Wall		ceiling of basement also	drywall
FFU-BS-DW03-056	Wall			↓
FFU-BS-DW03-057	↓			
FFU-EX-CF01-058	concrete foundation		foundation of entire building	foundation
FFU-EX-CF01-059	↓			↓
FFU-EX-CF01-060	↓			
FFU-EX-RF01-061	roofing shingle		front siding only	black & green
FFU-EX-RF01-062	↓			↓
FFU-EX-RF01-063	↓			
FFU-EX-RF02-064	roofing shingle		All four layers from same location on roof	black shingle
FFU-EX-RF02-065	↓			
FFU-EX-RF02-066	↓			
FFU-EX-RF02-067	roofing shingle			
FFU-EX-RF03-068	↓			
FFU-EX-RF03-069	↓			
FFU-EX-RF04-070	roofing shingle			
FFU-EX-RF04-071	↓			
FFU-EX-RF04-072	↓			
FFU-EX-RF05-073	roofing shingle			
FFU-EX-RF05-074	↓			
FFU-EX-RF05-075	↓			
FFU-EX-RF06-076			RF06 is RF07	
FFU-EX-RF06-077			2 layers of same roofing	2 layer
FFU-EX-RF06-078				



former Farmers Union  
6/20/19

ACM  
First Floor

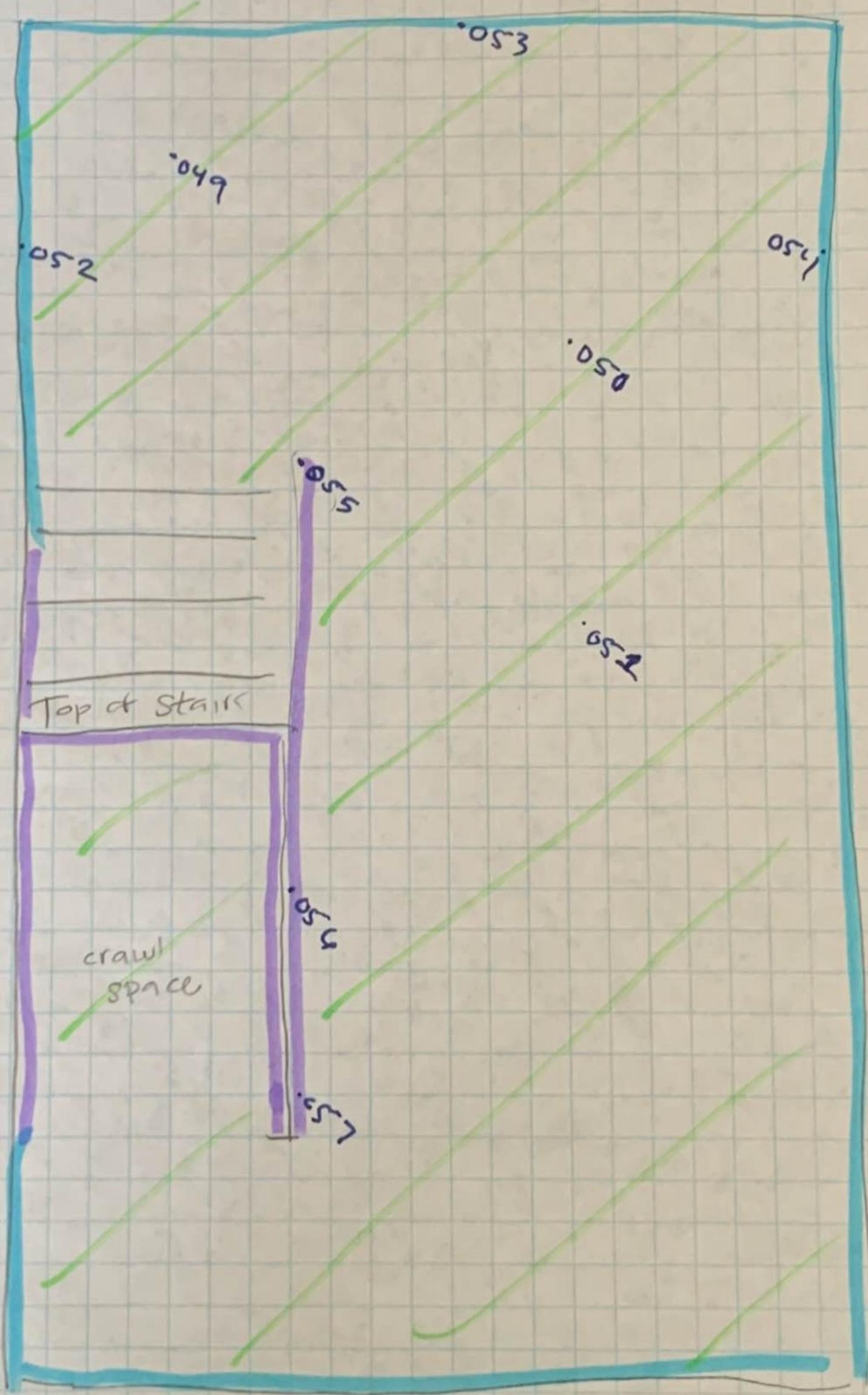


Front of Building ↓

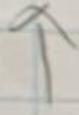
••• ceiling drywall (assumed same as samples 016-018)  
- All insulation above ceiling is the same and is fiberglass. No adhesive observed

Former Farmers Union  
4/20/19 Basement ACM

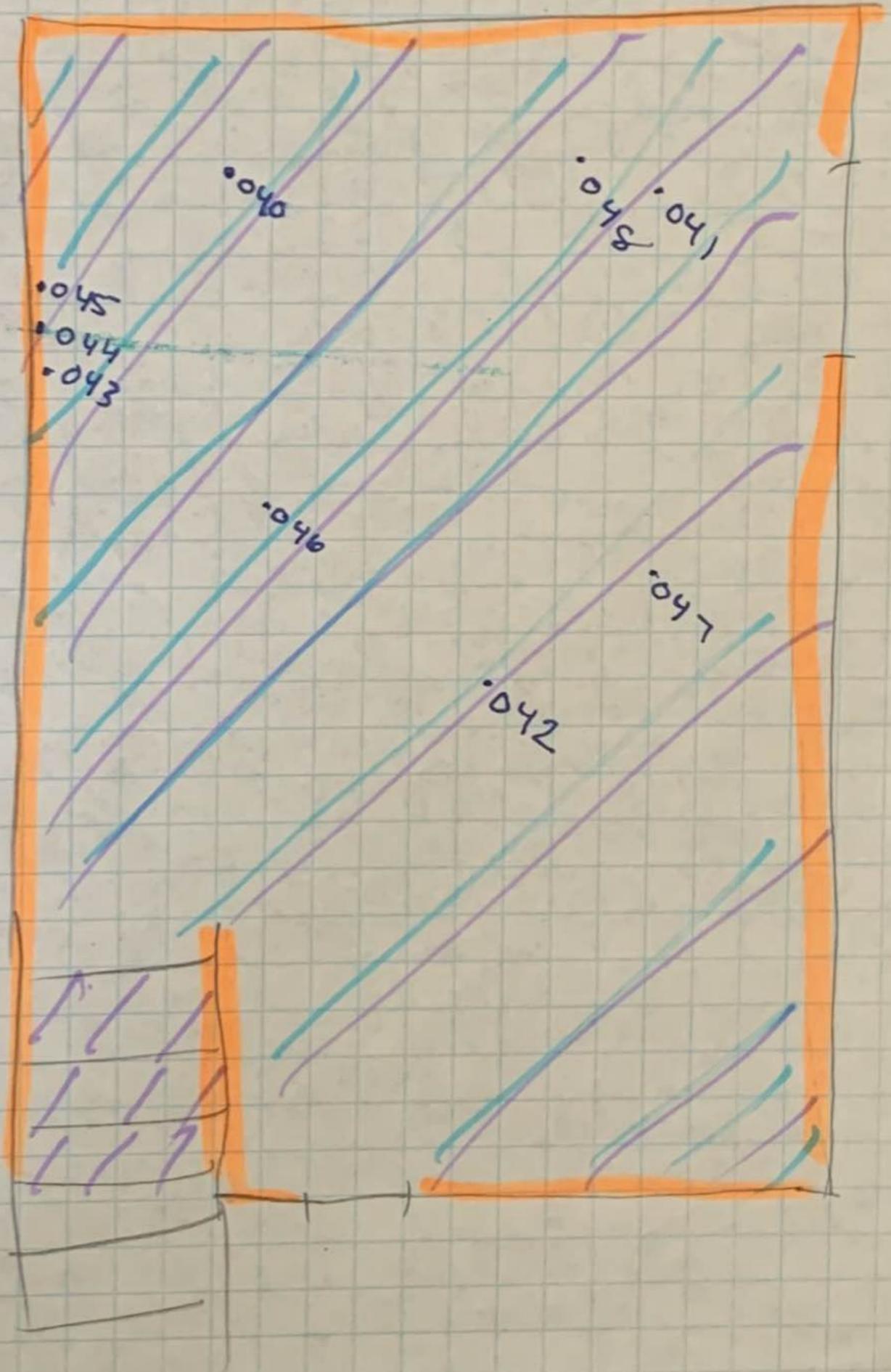
↑ front  
of  
building



Former Farmers Union  
Ce/20/19 Second Floor  
ACM

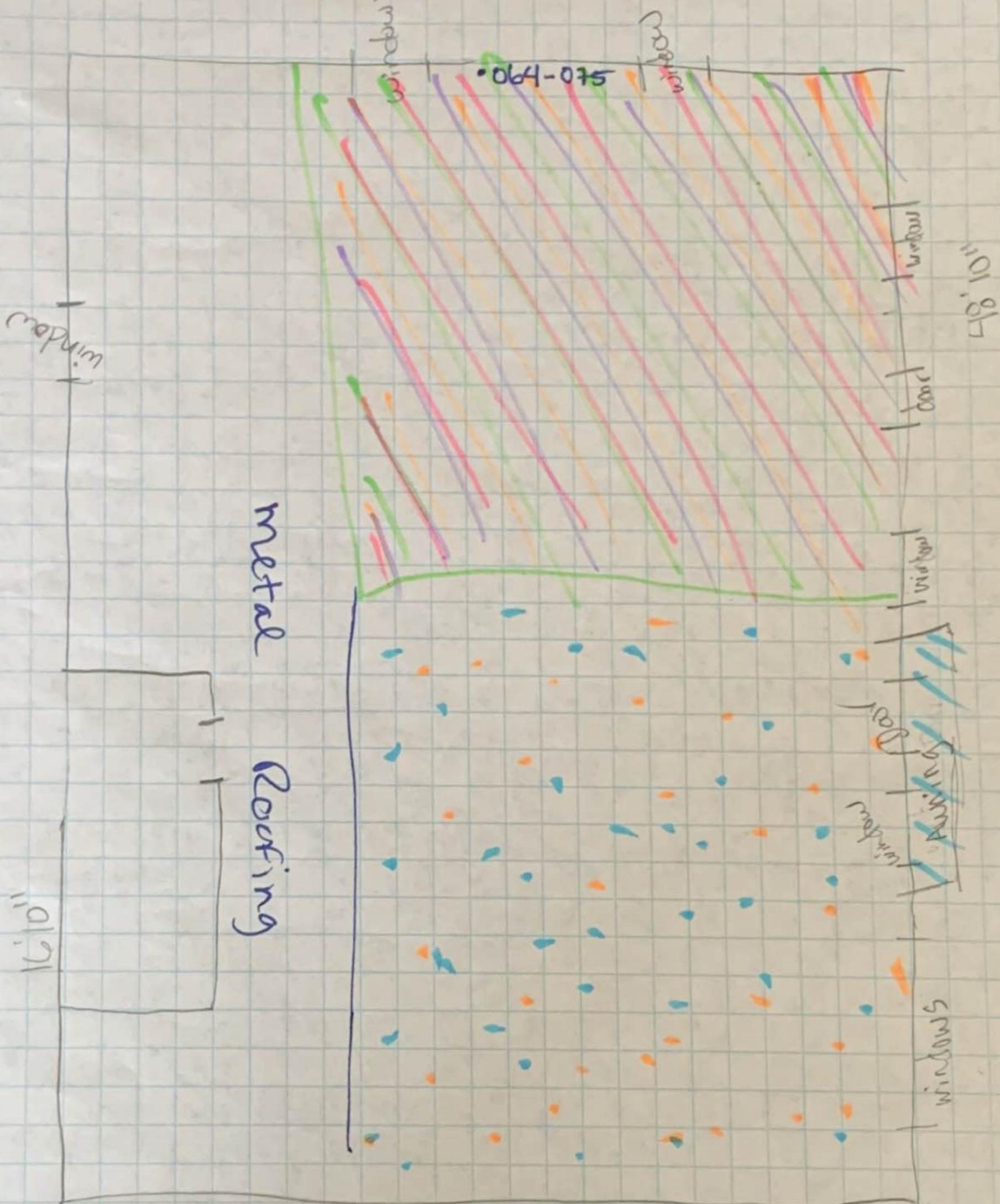


Front of building



Former Farmers Union  
6/20/19

ACM  
Exterior



front of building →

38'

Formers Farmer Union  
 First Floor 6/20/2019 LBP



■ = mercury thermostat

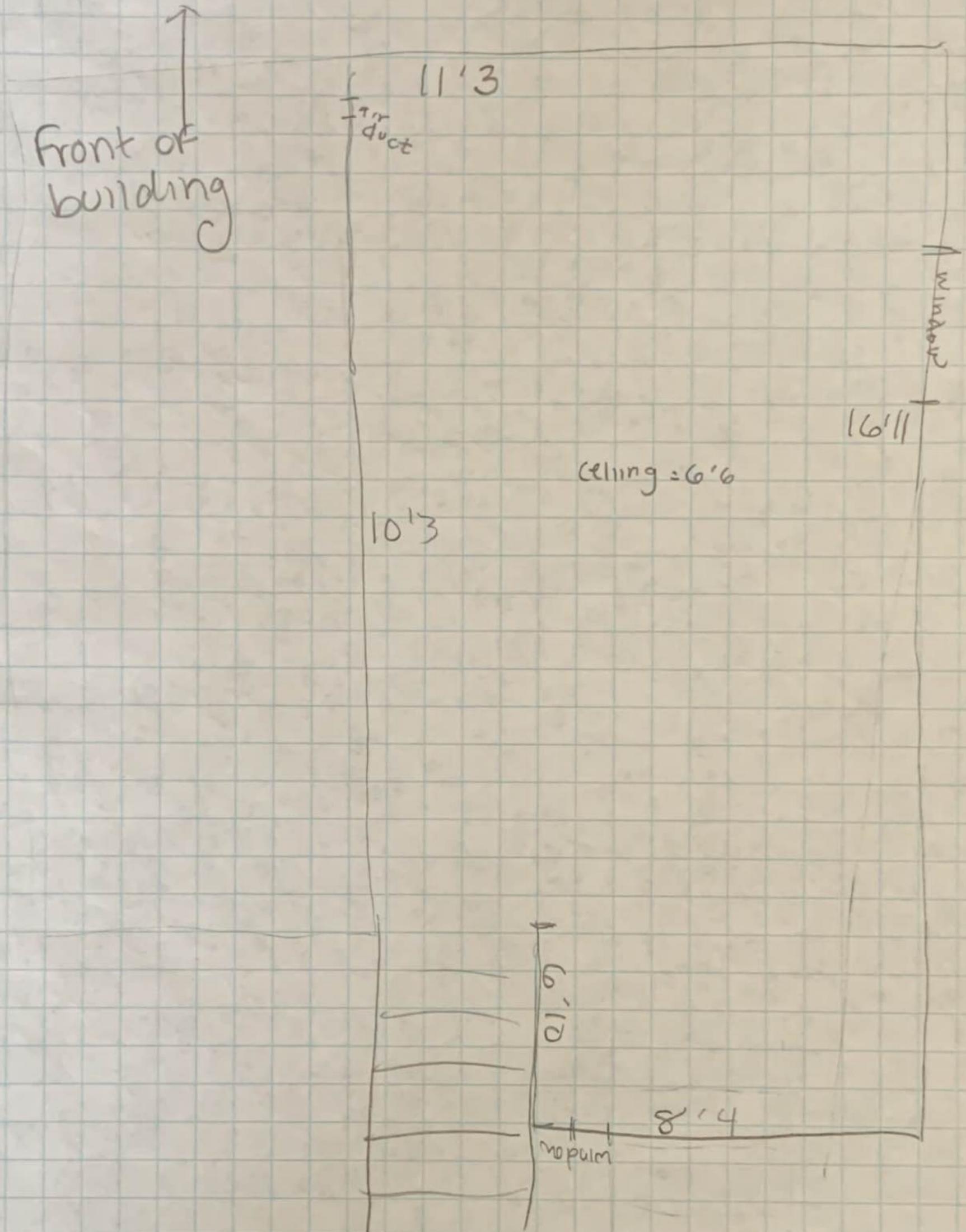
■ = wall, white paint

■ = Door frame, white paint

Front of Building

4/20/19

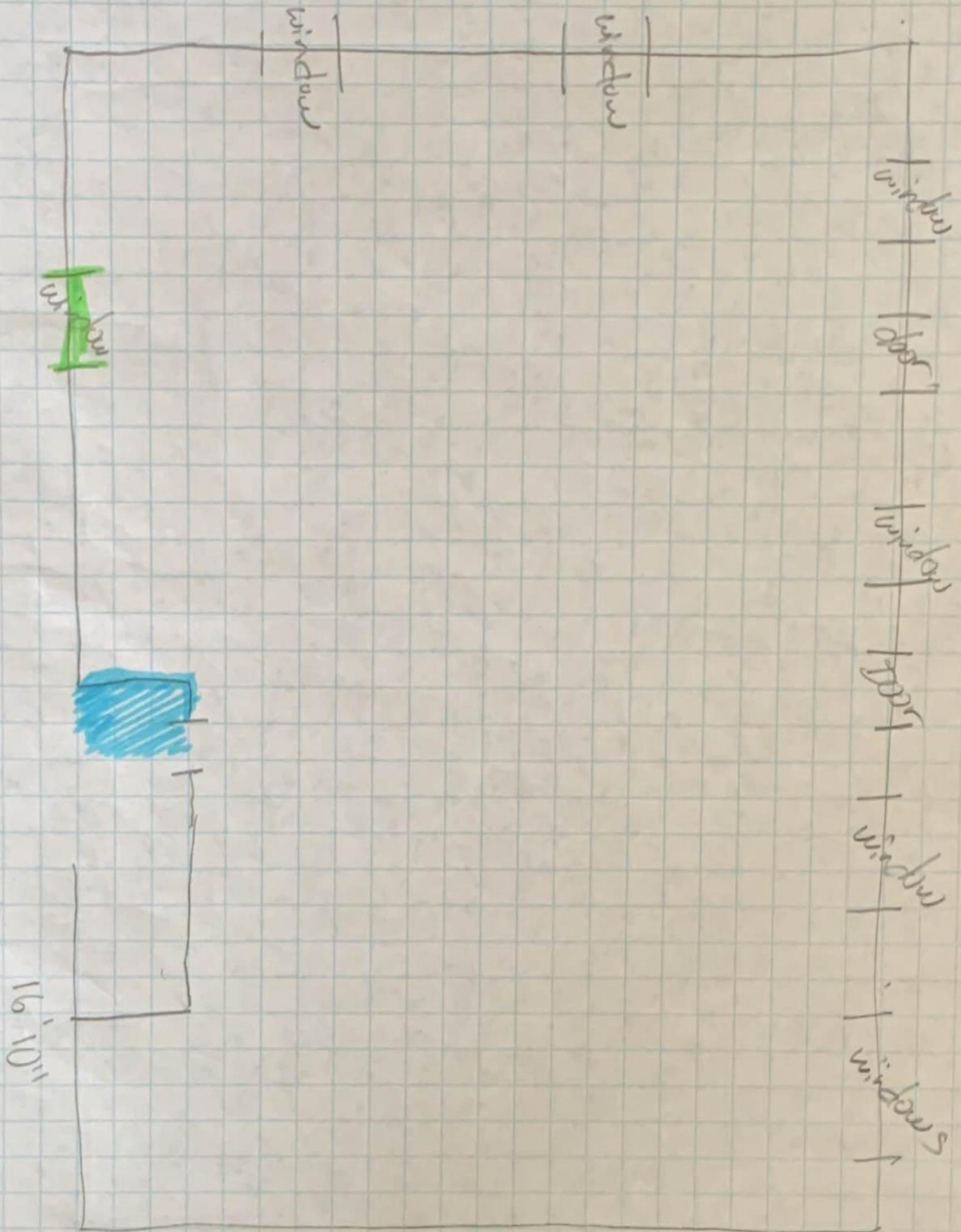
Former Farmers Union  
Second floor LBP



No LBP observed

Former Farmer's Union  
6/20/19

LBP  
exterior

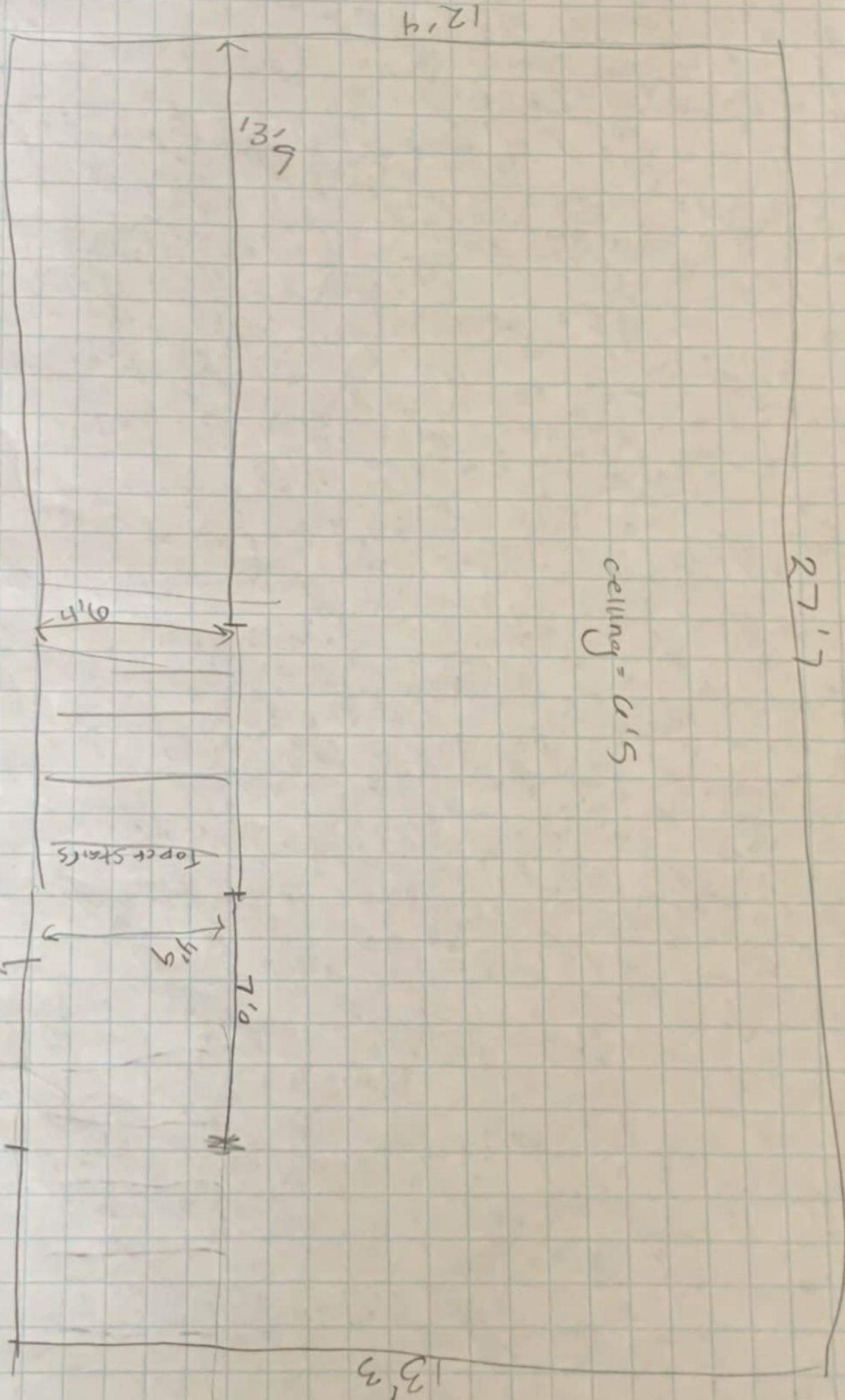


 = well, part of ceiling, and exterior door frame, white paint  
 = window frame, white paint

6/20/19

Former Farmers Union  
Basement (B.P.)

↑  
Front  
of Building



no LBP observed

**ATTACHMENT C**  
**LABORATORY REPORT**



July 16, 2019

**Subcontract Number:** NA  
**Laboratory Report:** RES 438326-1R  
**Project # / P.O. #** 15475.009.001.0030  
**Project Description:** Former Farmers Union

Owena Yang-Totorica  
Weston Solutions, Inc. (MT)  
805 North Last Chance Gulch  
Helena MT 59601

Dear Customer,

Reservoirs Environmental, Inc. is an analytical laboratory accredited for the analysis of Industrial Hygiene and Environmental matrices by the National Voluntary Laboratory Accreditation Program (NVLAP), Lab Code 101896-0 for Transmission Electron Microscopy (TEM) and Polarized Light Microscopy (PLM) analysis and the American Industrial Hygiene Association (AIHA), Lab ID 101533 - Accreditation Certificate #480 for Phase Contrast Microscopy (PCM) analysis. This laboratory is currently proficient in both Proficiency Testing and PAT programs respectively.

Reservoirs Environmental, Inc. has analyzed the following samples for asbestos content as per your request. The analysis has been completed in general accordance with the appropriate methodology as stated in the attached analysis table. The results have been submitted to your office.

**RES 438326-1R** is the job number assigned to this study. This report is considered highly confidential and the sole property of the customer. Reservoirs Environmental, Inc. will not discuss any part of this study with personnel other than those of the client. The results described in this report only apply to the samples analyzed. This report must not be used to claim endorsement of products or analytical results by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without written approval from Reservoirs Environmental, Inc. Samples will be disposed of after sixty days unless longer storage is requested. If you have any questions about this report, please feel free to call 303-964-1986.

Sincerely,

A handwritten signature in blue ink that reads "AnneMarie R. Kieffer". Below the signature, the text "AnneMarie R. Kieffer for" is printed in a small, light blue font.

AnneMarie R. Kieffer for

Jeanne Spencer  
President

## RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

**TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME**

RES Job Number: **RES 438326-1R**  
 Client: **Weston Solutions, Inc. (MT)**  
 Client Project Number / P.O.: **15475.009.001.0030**  
 Client Project Description: **Former Farmers Union**  
 Date Samples Received: **June 25, 2019**  
 Method: **EPA 600/R-93/116 - Short Report, Bulk**  
 Turnaround: **Standard**  
 Date Samples Analyzed: **July 01, 2019 - July 03, 2019**

ND=None Detected  
 TR=Trace, <1% Visual Estimate  
 Trem/Act=Tremolite/Actinolite

Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)		
FFU-FF-CP01-001	A	Blue/multi-colored carpet w/ tan adhesive	100		ND	80	20
FFU-FF-CP01-002	A	Blue/multi-colored carpet w/ tan adhesive	100		ND	80	20
FFU-FF-CP01-003	A	Blue/multi-colored carpet w/ tan adhesive	100		ND	80	20
FFU-FF-CP02-004	A	Blue/multi-colored carpet w/ tan adhesive	100		ND	80	20
FFU-FF-CP02-005	A	Blue/multi-colored carpet w/ tan adhesive	100		ND	80	20
FFU-FF-CP02-006	A	Blue/multi-colored carpet w/ tan adhesive	100		ND	80	20
FFU-FF-LN01-007	A	Off white sheet vinyl w/ gray fibrous backing material & tan adhesive	100		ND	20	80
FFU-FF-LN01-008	A	Yellow adhesive	6		ND	0	100
	B	Cream/multi-colored sheet vinyl w/ gray fibrous backing material	94		ND	15	85
FFU-FF-LN01-009	A	Yellow adhesive	7		ND	0	100
	B	Cream/multi-colored sheet vinyl w/ gray fibrous backing material	93		ND	14	86

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

## RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

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--

Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)		
FFU-FF-BB01-010	A	Cream adhesive	4		ND	0	100
	B	Gray cove base	96		ND	0	100
FFU-FF-BB01-011	A	Cream adhesive	8		ND	0	100
	B	Gray cove base	92		ND	0	100
FFU-FF-BB01-012	A	Cream adhesive	5		ND	0	100
	B	Gray cove base	95		ND	0	100
FFU-FF-CC01-013	A	Tan granular cementitious material	100		ND	0	100
FFU-FF-CC01-014	A	Off white plaster	40		ND	3	97
	B	Tan granular cementitious material	60		ND	0	100
FFU-FF-CC01-015	A	Off white plaster	100		ND	4	96
FFU-FF-DW01-016	A	White texture w/ blue/white paint	40		ND	0	100
	B	Gray/tan drywall	60		ND	15	85
FFU-FF-DW01-017	A	Gray/tan drywall w/ blue/white paint	100		ND	15	85

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

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 Turnaround: **Standard**  
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ND=None Detected  
 TR=Trace, <1% Visual Estimate  
 Trem/Act=Tremolite/Actinolite

Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)		
FFU-FF-DW01-018	A	White tape	10		ND	95	5
	B	White texture w/ green/white paint	11		ND	0	100
	C	Off white joint compound	25		ND	0	100
	D	Gray/tan drywall	54		ND	15	85
FFU-FF-IN01-019	A	Blue foamy insulation	100		ND	0	100
FFU-FF-IN01-020	A	Blue foamy insulation	100		ND	0	100
FFU-FF-IN01-021	A	Blue foamy insulation	100		ND	0	100
FFU-FF-CB01-022	A	Gray granular material w/ cream/multi-colored paint	100		ND	0	100
FFU-FF-CB01-023	A	Gray granular material w/ white paint	100		ND	TR	100
FFU-FF-CB01-024	A	Gray granular material w/ white paint	100		ND	0	100
FFU-FF-ST01-025	A	Gray granular material w/ cream/multi-colored paint	100		ND	0	100
FFU-FF-ST01-026	A	Gray granular material w/ white/cream paint	100		ND	0	100
FFU-FF-ST01-027	A	Gray granular material w/ white/cream paint	100		ND	0	100

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

## RESERVOIRS ENVIRONMENTAL INC.

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 Trem/Act=Tremolite/Actinolite

Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)		
FFU-FF-CT01-028	A	Gray/white ceiling tile	100		ND	65	35
FFU-FF-CT01-029	A	Gray/white ceiling tile	100		ND	65	35
FFU-FF-CT01-030	A	Gray/white ceiling tile	100		ND	65	35
FFU-FF-DW02-031	A	Off white compound	1		ND	0	100
	B	Off white/tan drywall	99		ND	12	88
FFU-FF-DW02-032	A	Off white compound	2		ND	0	100
	B	Off white/tan drywall	98		ND	15	85
FFU-FF-DW02-033	A	Off white compound	TR		ND	0	100
	B	Off white/tan drywall	100		ND	15	85
FFU-FF-WG01-034	A	White caulk w/ white paint	100		ND	0	100
FFU-FF-WG01-035	A	White caulk w/ white paint	100		ND	0	100
FFU-FF-WG01-036	A	White caulk w/ white paint	100		ND	0	100
FFU-FF-BM01-037	A	Gray granular material	100		ND	0	100
FFU-FF-BM01-038	A	Gray granular material	100		ND	0	100

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

## RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

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 Date Samples Analyzed: **July 01, 2019 - July 03, 2019**

ND=None Detected TR=Trace, <1% Visual Estimate Trem/Act=Tremolite/Actinolite
--

Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)		
FFU-FF-BM01-039	A	Tan granular material	100		ND	0	100
FFU-SF-CP03-040	A	Orange/multi-colored carpet w/ black foamy backing	100		ND	65	35
FFU-SF-CP03-041	A	Yellow adhesive	TR		ND	0	100
	B	Orange/multi-colored carpet w/ black foamy backing	100		ND	70	30
FFU-SF-CP03-042	A	Orange/multi-colored carpet w/ black foamy backing	100		ND	70	30
FFU-SF-WP01-043	A	Tan/brown wood	100		ND	90	10
FFU-SF-WP01-044	A	Tan/brown wood	100		ND	90	10
FFU-SF-WP01-045	A	Tan/brown wood	100		ND	90	10
FFU-SF-CT02-046	A	Tan/multi-colored ceiling tile	100		ND	75	25
FFU-SF-CT02-047	A	Tan/multi-colored ceiling tile	100		ND	75	25
FFU-SF-CT02-048	A	Tan/multi-colored ceiling tile	100		ND	75	25
FFU-BS-CC02-049	A	Gray cinder block	100		ND	0	100
FFU-BS-CC02-050	A	Gray cinder block	100		ND	0	100
FFU-BS-CC02-051	A	Gray cinder block	100		ND	0	100

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

## RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

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ND=None Detected  
 TR=Trace, <1% Visual Estimate  
 Trem/Act=Tremolite/Actinolite

Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)		
FFU-BS-CB02-052	A	White block filler w/ white paint	12		ND	2	98
	B	Gray cinder block	88		ND	0	100
FFU-BS-CB02-053	A	Gray cinder block	100		ND	0	100
FFU-BS-CB02-054	A	Gray cinder block	100		ND	0	100
FFU-BS-DW03-055	A	Off white/tan drywall w/ blue paint	100		ND	12	88
FFU-BS-DW03-056	A	Off white/tan drywall w/ blue paint	100		ND	12	88
FFU-FF-DW03-057	A	Off white/tan drywall w/ blue paint	100		ND	15	85
FFU-EX-CF01-058	A	Gray granular material	100		ND	0	100
FFU-EX-CF01-059	A	Gray granular material	100		ND	0	100
FFU-EX-CF01-060	A	Gray granular cementitious material	100		ND	0	100
FFU-EX-RF01-061	A	Green/blue/black shingle	100		ND	25	75
FFU-EX-RF01-062	A	Green/blue/black shingle	100		ND	25	75
FFU-EX-RF01-063	A	Black/green/brown shingle	100		ND	20	80

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

## RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

**TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME**

RES Job Number: **RES 438326-1R**  
 Client: **Weston Solutions, Inc. (MT)**  
 Client Project Number / P.O.: **15475.009.001.0030**  
 Client Project Description: **Former Farmers Union**  
 Date Samples Received: **June 25, 2019**  
 Method: **EPA 600/R-93/116 - Short Report, Bulk**  
 Turnaround: **Standard**  
 Date Samples Analyzed: **July 01, 2019 - July 03, 2019**

ND=None Detected  
 TR=Trace, <1% Visual Estimate  
 Trem/Act=Tremolite/Actinolite

Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)		
FFU-EX-RF02-064	A	Black tar	20	<b>Chrysotile</b>	<b>4</b>	0	96
	B	Black/gray fibrous granular tar	80		<b>ND</b>	25	75
FFU-EX-RF02-065	A	Black tar	25	<b>Chrysotile</b>	<b>5</b>	0	95
	B	Black/gray fibrous granular tar	75		<b>ND</b>	25	75
FFU-EX-RF02-066	A	Black tar	30	<b>Chrysotile</b>	<b>5</b>	0	95
	B	Black/gray fibrous granular tar	70		<b>ND</b>	25	75
FFU-EX-RF03-067	A	Black tar	45		<b>ND</b>	0	100
	B	Black felt	55	<b>Chrysotile</b>	<b>30</b>	30	40
FFU-EX-RF03-068	A	Black tar	45		<b>ND</b>	0	100
	B	Black felt	55	<b>Chrysotile</b>	<b>30</b>	30	40
FFU-EX-RF03-069	A	Black tar	45		<b>ND</b>	0	100
	B	Black felt	55	<b>Chrysotile</b>	<b>30</b>	30	40

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## RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

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ND=None Detected  
 TR=Trace, <1% Visual Estimate  
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Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)		
FFU-EX-RF04-070	A	Black tar	30		ND	0	100
	B	Black felt	70	Chrysotile	35	25	40
FFU-EX-RF04-071	A	Black tar	40		ND	0	100
	B	Black felt	60	Chrysotile	35	30	35
FFU-EX-RF04-072	A	Black tar	35		ND	0	100
	B	Black felt	65	Chrysotile	35	30	35
FFU-EX-RF05-073	A	Black tar	50		ND	0	100
	B	Black felt	50		ND	50	50
FFU-EX-RF05-074	A	Black felt w/ black tar	100		ND	45	55
FFU-EX-RF05-075	A	Black felt w/ black tar	100		ND	40	60
FFU-EX-RF06-076	A	Black fibrous resinous material w/ black resinous material	100		ND	30	70

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

## RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

**TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME**

RES Job Number: **RES 438326-1R**  
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 Turnaround: **Standard**  
 Date Samples Analyzed: **July 01, 2019 - July 03, 2019**

ND=None Detected TR=Trace, <1% Visual Estimate Trem/Act=Tremolite/Actinolite
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Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)		
FFU-EX-RF06-077	A	Black fibrous resinous material w/ black resinous material	100		ND	30	70
FFU-EX-RF06-078	A	Black fibrous resinous material w/ black resinous material	100		ND	17	83
FFU-EX-RF07-079	A	Brown/multi-colored shingle	100		ND	10	90
FFU-EX-RF07-080	A	Black tar	3		ND	0	100
	B	Brown/multi-colored shingle	97		ND	10	90
FFU-EX-RF08-081	A	Brown/multi-colored shingle	100		ND	10	90

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

  
Piper-Lenore O. Murphy

Analyst

  
Andrew Roberts

Analyst

  
Gregory Hronich

Analyst

  
Liu Wenlong

Analyst / Data QA



Submitted by: 805 North Last Chance Gulch  
 Helena, MT 59601

Client sample ID number (Sample ID's must be unique)	REQUESTED ANALYSIS										VALID MATRIX CODES				LAB NOTES:				
	PLM - Short report, Long report, Point Count	PLM - CARB 435 using lowest detection limit (0.25%)	TEM - AHERA Level II, 7402, ISO, +/-, Quant, Semi-quant, Micro-vac, ISO-Indirect Preps	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) RCRA 8, TCLP, Welding Fume, Metals Scan	ORGANICS - METH	MICROBIOLOGY				OTHER -	Sample Volume (L) / Area	Matrix Code		# Containers	Date Collected mm/dd/yyyy	Time Collected h:mm a/p	EM Number (Laboratory Use Only)
11	FFU-FF-BB01-011	X													B	1	6/20/2019		
12	FFU-FF-BB01-012	X													B	1	6/20/2019		
13	FFU-FF-CC01-013	X													B	1	6/20/2019		
14	FFU-FF-CC01-014	X													B	1	6/20/2019		
15	FFU-FF-CC01-015	X													B	1	6/20/2019		
16	FFU-FF-DW01-016	X													B	1	6/20/2019		
17	FFU-FF-DW01-017	X													B	1	6/20/2019		
18	FFU-FF-DW01-018	X													B	1	6/20/2019		
19	FFU-FF-IN01-019	X													B	1	6/20/2019		
20	FFU-FF-IN01-020	X													B	1	6/20/2019		
21	FFU-FF-IN01-021	X													B	1	6/20/2019		
22	FFU-FF-CB01-022	X													B	1	6/20/2019		
23	FFU-FF-CB01-023	X													B	1	6/20/2019		
24	FFU-FF-CB01-024	X													B	1	6/20/2019		
25	FFU-FF-ST01-025	X													B	1	6/20/2019		
26	FFU-FF-ST01-026	X													B	1	6/20/2019		
27	FFU-FF-ST01-027	X													B	1	6/20/2019		
28	FFU-FF-CT01-028	X													B	1	6/20/2019		
29	FFU-FF-CT01-029	X													B	1	6/20/2019		
30	FFU-FF-CT01-030	X													B	1	6/20/2019		
31	FFU-FF-DW02-031	X													B	1	6/20/2019		
32	FFU-FF-DW02-032	X													B	1	6/20/2019		
33	FFU-FF-DW02-033	X													B	1	6/20/2019		
34	FFU-FF-WG01-034	X													B	1	6/20/2019		
35	FFU-FF-WG01-035	X													B	1	6/20/2019		
36	FFU-FF-WG01-036	X													B	1	6/20/2019		
37	FFU-FF-BM01-037	X													B	1	6/20/2019		
38	FFU-FF-BM01-038	X													B	1	6/20/2019		
39	FFU-FF-BM01-039	X													B	1	6/20/2019		
40	FFU-SF-CP03-040	X													B	1	6/20/2019		
41	FFU-SF-CP03-041	X													B	1	6/20/2019		

Submitted by: 805 North Last Chance Gulch, Helena, MT 59601

Client sample ID number (Sample ID's must be unique)	REQUESTED ANALYSIS						VALID MATRIX CODES				LAB NOTES:		
	PLM - Short report, Long report, Point Count	TEM - AHERA, Level II, 7402, ISO +/-, Quant, Semi-quant, Micro-vac, ISO-Indirect Preps	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) RCRA 8, TCLP, Welding Fume, Metals Scan	ORGANICS - METH	Salmoneila +/- E coli O157:H7 +/- Listeria +/- Aerobic Plate Count +/- or Quantification E coli +/- or Quantification Coliforms +/- or Quantification S aureus +/- or Quantification Y & M: +/- or Quantification Mold +/- or Quantification	OTHER -	Sample Volume (l) / Area	Matrix Code		Date Collected mmm/dd/yy	Time Collected h:mm ap
42	X								B	1	6/20/2019		
43	X								B	1	6/20/2019		
44	X								B	1	6/20/2019		
45	X								B	1	6/20/2019		
46	X								B	1	6/20/2019		
47	X								B	1	6/20/2019		
48	X								B	1	6/20/2019		
49	X								B	1	6/20/2019		
50	X								B	1	6/20/2019		
51	X								B	1	6/20/2019		
52	X								B	1	6/20/2019		
53	X								B	1	6/20/2019		
54	X								B	1	6/20/2019		
55	X								B	1	6/20/2019		
56	X								B	1	6/20/2019		
57	X								B	1	6/20/2019		
58	X								B	1	6/20/2019		
59	X								B	1	6/20/2019		
60	X								B	1	6/20/2019		
61	X								B	1	6/20/2019		
62	X								B	1	6/20/2019		
63	X								B	1	6/20/2019		
64	X								B	1	6/20/2019		
65	X								B	1	6/20/2019		
66	X								B	1	6/20/2019		
67	X								B	1	6/20/2019		
68	X								B	1	6/20/2019		
69	X								B	1	6/20/2019		
70	X								B	1	6/20/2019		
71	X								B	1	6/20/2019		
72	X								B	1	6/20/2019		

