46555 Humboldt Dr. Ste. 100
Novi, MI 48377
(248) 669-5140 | oneatlas.com

Client Name:	City of Kalamazoo
Project Name:	Commercial Building Asbestos Survey
Project Number:	188BS23505
Project Site Address (Subject Property):	404 Parker Ave, Kalamazoo, MI 49001
Date of Site Visit:	July 28, 2023
Asbestos Inspection Performed by:	Andrew DeLodder (A48677)
Asbestos Inspector's Signature:	Andrew DeLodder
Areas Not Accessible:	None
Number of Floors:	Garage Only
Asbestos Present (Yes/No/Other):	No asbestos identified in areas surveyed.

On the date indicated above, State of Michigan Asbestos Inspector, Andrew DeLodder (A48677) from Atlas Technical Consultants, conducted a pre-demolition asbestos and other regulated materials inspection of the subject unoccupied commercial property.

Table I identifies materials that were found to contain asbestos in concentrations greater than 1% and therefore are regulated under the rules of asbestos in the State of Michigan.

TABLE I
Asbestos-Containing Materials

ID#	MATERIAL	LOCATION	QUANTITY	RESULT	NESHAP CATEGORY
None Contain Asbestos					

The purpose of this inspection was to task an accredited asbestos inspector to complete a pre-demolition asbestos and hazardous material survey of the subject site, and provide recommendation options for removal and disposal of identified hazardous/regulated materials prior to demolition of the building(s). The asbestos inspection consisted of the following three basic procedures: conducting a visual inspection of the structure, Identifying homogeneous areas (HAs) of suspect surfacing, thermal system insulation, and miscellaneous materials; and sampling identified friable and non-friable suspect materials.

Bulk samples of suspect ACMs were collected and placed into individual containers for transport under Chain of Custody (COC) to a National Voluntary Lab Accreditation Program (NVLAP)-accredited laboratory for analysis. Materials typically known as non-asbestos items (i.e. fibrous glass, foam rubber, wood, etc.) were not sampled.

Laboratory Reports and associated COC's are provided in **Attachment A**. Photographs of the site are included in **Attachment B**. The following sections summarize Atlas' findings.
Table II below identifies the suspect asbestos-containing materials identified during the survey, their locations, approximate quantity, type and percentage of asbestos.

TABLE II
Suspect Asbestos-Containing Materials

HA/ID#	MATERIAL	LOCATION	RESULT
1-RM-A,B,C	Roofing Material- Asphalt Shingle Roof	EA-5	ND
2-VB-A,B,C	Vapor Board- Black, Under Exterior Siding	EA-1,2,3,4	ND
3-WB-A,B,C	Wallboard- Nailed to Wall	FS-1	ND
4-CC-A,B,C	Concrete Chip- Poured Concrete Foundation	FS-1	ND
5-FRB-A,B,C	Fiberboard- Exterior Siding	EA-1,2,3,4	ND

ND = No asbestos detected, **NA** = Not applicable, **UNQ** = Unquantified; **PC** = Point Count

No other suspect ACMs were observed on the site. Although not anticipated based on surface observations, underground structures that could contain ACM may be present and should be managed accordingly if encountered during site redevelopment.

Asbestos is a hazardous substance. Its condition, handling and disposal are regulated by federal, state, and local agencies. ACMs generally do not pose a health threat unless the asbestos fibers are disturbed, become airborne and are inhaled.

Contractors working in an area where asbestos is present must be informed of the type and location of ACMs. Abatement of ACMs, including non-friable ACMs, must be performed by a Michigan licensed, certified and registered asbestos abatement contractor in accordance with state and federal Occupational Safety and Health Administration (OSHA) and local air quality management regulations.

Table III below lists Other Regulated Materials/Universal Wastes identified during the survey.

TABLE III
Other Regulated Materials/Universal Wastes

MATERIAL	LOCATION	APPROXIMATE QUANTITY
** CFC'S** Air-Conditioners/ Refrigerators/ Freezers/ Dehumidifiers	FS-1	2
Batteries	FS-1	3
** CRTs/ TV Screens/ Monitors/ Electronics	FS-1	5
** Fluorescent/ HID Light Fixtures/ Bulbs/ Ballasts	FS-1	4
Misc. Items (Glue, Solvents, Cleaners, etc.)	FS-1	12
Paint Cans	FS-1	7
Tires	FS-1	4

Table IV below lists the functional spaces identified during the survey.

Table IV
Functional Space/ Exterior Area Designations

DESCRIPTION	DESIGNATION
Garage	FS-1
Exterior Area	EA 1,2,3,4

RECOMMENDATIONS:

Except for the following items listed below, Section 61.145(c) of the Asbestos NESHAP requires that each owner or operator of a demolition or demolition activity involving RACM remove all such material from a facility being demolished or renovated before any activity begins that would break up, dislodge, or similarly disturb the material or preclude access to the material for subsequent removal.

ACM need not be removed before demolition if it:

(i) Is a Category I non-friable ACM that is not friable.

(ii) Is on a facility component that is encased in concrete or other similarly hard material and is adequately wet whenever exposed during demolition.

(iii) Was not accessible for testing and therefore was not discovered until after demolition began and, as a result of the demolition, cannot be safely removed. If not removed for safety reasons, the exposed RACM and any asbestos-contaminated debris must be treated as asbestos-containing waste material and kept adequately wet at all times until disposed of.

(iv) Is a Category II non-friable ACM and the probability is low that the material will become crumbled, pulverized, or reduced to powder during demolition.

Demolition with Roofing Materials in place is covered under the NESHAP regulations (40 CFR Part 61 Subpart M).

Roofing materials that were not tested during this inspection should be assumed to be Category I asbestos-containing roofing materials.

Since demolition activities do not include sanding, grinding, cutting, or abrading, Category I asbestos-containing roofing materials not in poor condition and not friable are not considered RACM, and are allowed to remain in place during demolition.

If the asbestos-containing roofing material is not in poor condition and is not friable, it may be disposed of in a landfill which accepts ordinary demolition waste.

The asbestos-containing roofing material may not be ground up for recycling into other products.

*****If joint compound within the drywall system is identified as positive, a composite sample was analyzed per NESHAP. If the drywall system as a composite sample is less than 1% asbestos, the material is not considered RACM per NESHAP. However, OSHA requirements regarding materials containing less than 1% asbestos still apply, and contractors performing work should ensure they comply with the requirements if the material is not removed prior to demolition.

In addition, contractors should ensure they follow all OSHA regulations pertaining to demolition / demolition of Category I Asbestos-containing materials. Category I or II non-friable ACM that is not subject to 61.150(a)(3) would still have to be disposed of in a landfill that accepts building debris, in a landfill that operates in accordance with 61.154, or at a facility that operates in accordance with 61.155.

Prior to demolition, the following is recommended:

An asbestos abatement company, licensed in the State of Michigan should remove the materials identified as asbestos containing in Table I in accordance with all applicable Local, State, and Federal Requirements prior to demolition.

Other Regulated Materials/Universal Wastes, identified in Table III, must be transported and disposed in accordance with all applicable Local, State, and Federal Requirements prior to demolition.

LIMITATIONS:

The results, findings, conclusions, and recommendations expressed in the report are based only on conditions that were noted during Atlas' inspection of the vacant above-referenced property located in Kalamazoo, Michigan.

Any conditions or materials that could not be visually identified through limited destructive sampling were not inspected and may differ from those conditions or materials noted. The user of this report should keep in mind that conditions may change with time and observations made by Atlas at the time of the site reconnaissance may not be consistent with future observations made by others.

Additional materials may be encountered during the demolition process and may require further sampling to determine disposal criteria.

The report is designed to aid the building owner, architect, construction manager, general contractors, and potential asbestos abatement contractors in locating asbestos building materials and Other Regulated Materials/Universal Wastes to be removed prior to demolition activities.

Under no circumstances is the report to be utilized as a bidding document or as a project specification document. Contractors bidding the demolition of this site should field-verify project information.

Atlas appreciates the opportunity to be of service to the City of Kalamazoo on this project. In the meantime, if you have questions regarding the information in this report or if we can be of further assistance do not hesitate to contact our office at (248) 669-5140.

ATTACHMENT A

LABORATORY REPORTS AND CHAIN OF CUSTODY

Environmental Testing Laboratories, Inc.

37575 W Huron River Drive
Romulus, Michigan 48174
(734) 955-6600
Fax: (734) 955-6604

To: Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi, Michigan 48377

ETL Job: 260130
Client Project: 188BS23505

Attention: Robert Smith
Project Location: 404 Parker Ave , Kalamazoo, MI 49001
City of Kalamazoo

Lab Sample Number	Client Sample Number	Sample Type	Completed
1564803	1-RM-A	Asbestos	08/04/2023
1564804	1-RM-B	Asbestos	08/04/2023
1564805	1-RM-C	Asbestos	08/04/2023
1564806	2-VB-A	Asbestos	08/04/2023
1564807	2-VB-B	Asbestos	08/04/2023
1564808	2-VB-C	Asbestos	08/04/2023
1564809	3-WB-A	Asbestos	08/04/2023
1564810	3-WB-B	Asbestos	08/04/2023
1564811	3-WB-C	Asbestos	08/04/2023
1564812	4-CC-A	Asbestos	08/04/2023
1564813	4-CC-B	Asbestos	08/04/2023
1564814	4-CC-C	Asbestos	08/04/2023
1564815	5-FRB-A	Asbestos	08/04/2023
1564816	5-FRB-B	Asbestos	08/04/2023
1564817	5-FRB-C	Asbestos	08/04/2023

Lab Sample Number	Client Sample Number	Sample Type	Completed

Reviewed by:

Jessica Dilworth

Summary

Method	Sample	Layer	Mastic
PLM	18		

NVLAP LAB CODE 201028-0

Environmental Testing Laboratories, Inc.
37575 W Huron River Drive
Romulus, Michigan 48174
(734) 955-6600, Fax: (734) 955-6604

Certificate of Analysis

Polarized Light Microscopy Asbestos Analysis Report

To : Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

Location : 404 Parker Ave , Kalamazoo, MI 49001
City of Kalamazoo

ETL Job : 260130
Client Project : 188BS23505
Date Collected : 07/28/2023
Date Received : 08/02/2023

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1564803 1-RM-A	Roofing	Brown Fibrous Homogenous	PLM 10% Cellulose	PLM 90% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 08/04/2023					
1564803 1-RM-A	Roofing	Black Fibrous Homogenous	PLM 30% Cellulose	PLM 70% Other	PLM None Detected
Layer-2 Analyst: Chris Canilao Date Analyzed : 08/04/2023					
1564804 1-RM-B	Roofing	Brown Fibrous Homogenous	PLM 10% Cellulose	PLM 90% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 08/04/2023					
1564804 1-RM-B	Roofing	Black Fibrous Homogenous	PLM 20% Cellulose	PLM 80% Other	PLM None Detected
Layer-2 Analyst: Chris Canilao Date Analyzed : 08/04/2023					
1564805 1-RM-C	Roofing	Brown Fibrous Homogenous	PLM 10% Cellulose	PLM 90% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 08/04/2023					
1564805 1-RM-C	Roofing	Black Fibrous Homogenous	PLM 20% Cellulose	PLM 80% Other	PLM None Detected
Layer-2 Analyst: Chris Canilao Date Analyzed : 08/04/2023					

NVLAP LAB CODE 201028-0

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Novi,Michigan 48377

Location : 404 Parker Ave , Kalamazoo, MI 49001
City of Kalamazoo

ETL Job : 260130
Client Project : 188BS23505
Date Collected : 07/28/2023
Date Received : 08/02/2023

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1564806 2-VB-A Layer-1 Analyst: Chris Canilao Date Analyzed : 08/04/2023	Vapor Board	Brown Fibrous Homogenous	PLM 98% Cellulose	PLM 2% Other	PLM None Detected
1564807 2-VB-B Layer-1 Analyst: Chris Canilao Date Analyzed : 08/04/2023	Vapor Board	Brown Fibrous Homogenous	PLM 98% Cellulose	PLM 2% Other	PLM None Detected
1564808 2-VB-C Layer-1 Analyst: Chris Canilao Date Analyzed : 08/04/2023	Vapor Board	Brown Fibrous Homogenous	PLM 98% Cellulose	PLM 2% Other	PLM None Detected
1564809 3-WB-A Layer-1 Analyst: Chris Canilao Date Analyzed : 08/04/2023	Wallboard	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1564810 3-WB-B Layer-1 Analyst: Chris Canilao Date Analyzed : 08/04/2023	Wallboard	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1564811 3-WB-C Layer-1 Analyst: Chris Canilao Date Analyzed : 08/04/2023	Wallboard	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected

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Location : 404 Parker Ave , Kalamazoo, MI 49001
City of Kalamazoo

ETL Job : 260130
Client Project : 188BS23505
Date Collected : 07/28/2023
Date Received : 08/02/2023

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1564812 4-CC-A Layer-1 Analyst: Chris Canilao Date Analyzed : 08/04/2023	Concrete Chip	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1564813 4-CC-B Layer-1 Analyst: Chris Canilao Date Analyzed : 08/04/2023	Concrete Chip	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1564814 4-CC-C Layer-1 Analyst: Chris Canilao Date Analyzed : 08/04/2023	Concrete Chip	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1564815 5-FRB-A Layer-1 Analyst: Chris Canilao Date Analyzed : 08/04/2023	Fiberboard	Brown Fibrous Homogenous	PLM 98% Cellulose	PLM 2% Other	PLM None Detected
1564816 5-FRB-B Layer-1 Analyst: Chris Canilao Date Analyzed : 08/04/2023	Fiberboard	Brown Fibrous Homogenous	PLM 98% Cellulose	PLM 2% Other	PLM None Detected
1564817 5-FRB-C Layer-1 Analyst: Chris Canilao Date Analyzed : 08/04/2023	Fiberboard	Brown Fibrous Homogenous	PLM 98% Cellulose	PLM 2% Other	PLM None Detected

NVLAP LAB CODE 201028-0

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Location : 404 Parker Ave , Kalamazoo, MI 49001
City of Kalamazoo

ETL Job : 260130
Client Project : 188BS23505
Date Collected : 07/28/2023
Date Received : 08/02/2023

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos

Jessica Dilutha

Lab Supervisor/Other Signatory

Analyst:

Chris Canilao

400 Point Count Results by EPA 600/R-93/116 PLM (denoted by "PC")
Item 198.1: PLM Methods for Identifying and Quantitating Asbestos in Bulk Samples
Item 198.6: PLM Methods for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples
EPA 600/R-93/116: Method for Determination of Asbestos in Bulk Building Materials
EPA 600/M4-82-020: Interim Method for Determination of Asbestos in Bulk Insulation Samples
A % Asbestos result of "Trace" indicates that the analyzed material was found to contain less than 1% asbestos and would not be considered an Asbestos Containing Material (ACM).

ENVIRONMENTAL TESTING LABORATORIES, INC
38900 Huron River Drive
Romulus, Michigan 48174
(734) 955-6600
Fax: (734) 992-2261
www.2etl.com

Bulk Asbestos Chain of Custody

ETL Project #: 260130

Client: ATC Group Services	**Contact:** Rob Smith	**Project Location/name:**	404 Parker Avenue, Kalamazoo, Michigan 49001 / City of Kalamazoo ACM Survey
	Phone: 248-669-5140		
Address: 46555 Humboldt Dr. Ste. 100 Novi, MI 48377	**Fax:** 248-669-5147		
	E-mail: robert.smith@atcgs.com	**Client Project #:**	18BBS23505
Please Provide Results: ☐ Email ☐ Fax ☐ Verbal ☐ Other _____		**Date Sampled:**	7/28/2023

Turnaround Time (TAT): ☐ RUSH ☐ Same Day ☐ 24 hr ☐ 48 hr ☐ Standard (3-5 days) X **Other** 72 hours

PLM Instructions (Check all that apply)	
X PLM EPA600/R-93/116, 1993 (Standard method)	X **Stop at 1st Positive -**
Point Counting: ☐ 400 Points* ☐ NYSDOH ELAP 198.1, 2002*	*Clearly mark Homogenous Group*
☐ Gravimetric Reduction* ☐ NYSDOH ELAP 198.6, 2010*	
☐ PLM Non-Building Material (Dust, Wipe, Tape)	☐ Soil or Vermiculite Analysis*

** Additional charge and turnaround may be required*

Lab ID	Sample ID	Material Description	Sample Location	QUANTITY
Sb4 803,4,5	1-RM-A,B,C	Roofing material - asphalt shingle roof	EA-5	700 SF
806,7,8	2-VB-A,B,C	Vapor board - black, under exterior siding	EA-1,2,3,4	775 SF
809,10,11	3-WB-A,B,C	Wallboard - nailed to wall	FS-1	100 SF
812,13,14	4-CC-A,B,C	Concrete Chip - poured concrete foundation	FS-1	600 SF
815,16,17	5-FRB-A,B,C	Fiberboard - exterior siding	EA-1,2,3,4	775 SF

		Date	Time
Relinquished (Name/Organization):	Andrew DeLodder / Atlas Technical Consultants	7/28/2023	5:30pm
Received (Name/ETL):		8.2.23	9:32 am/pm
Sample Login (Name/ETL):		8.2.23	9:32 am/pm
Stereoscopical/Sample Analysis (Name/ETL)			am/pm
Results (Name/ETL):			am/pm
QA/QC Review (Name/ETL):			am/pm

Special Instructions:
- **1st Positive Stop;**
- **Composite all drywall/joint compound/mud samples if any layer of system is GREATER than 1% asbestos;**
- **Point Count ALL PLASTER samples Trace to 3% asbestos content**
- **Point Count ALL SAMPLES Trace to 1% asbestos content**

Remarks

****IN ORDER TO ENSURE RESULTS BY SPECIFIED TAT, THE LAB MUST BE EMAILED/CALLED WITH THE QUANTITY OF SAMPLES TO BE SHIPPED OR DROPPED OFF**

ATTACHMENT B

PHOTOGRAPHS

View of the east side of the garage exterior (EA-1)

View of the south side of the garage exterior (EA-2)

View of the west side of the garage exterior (EA-3)

View of the north side of the garage exterior (EA-4)

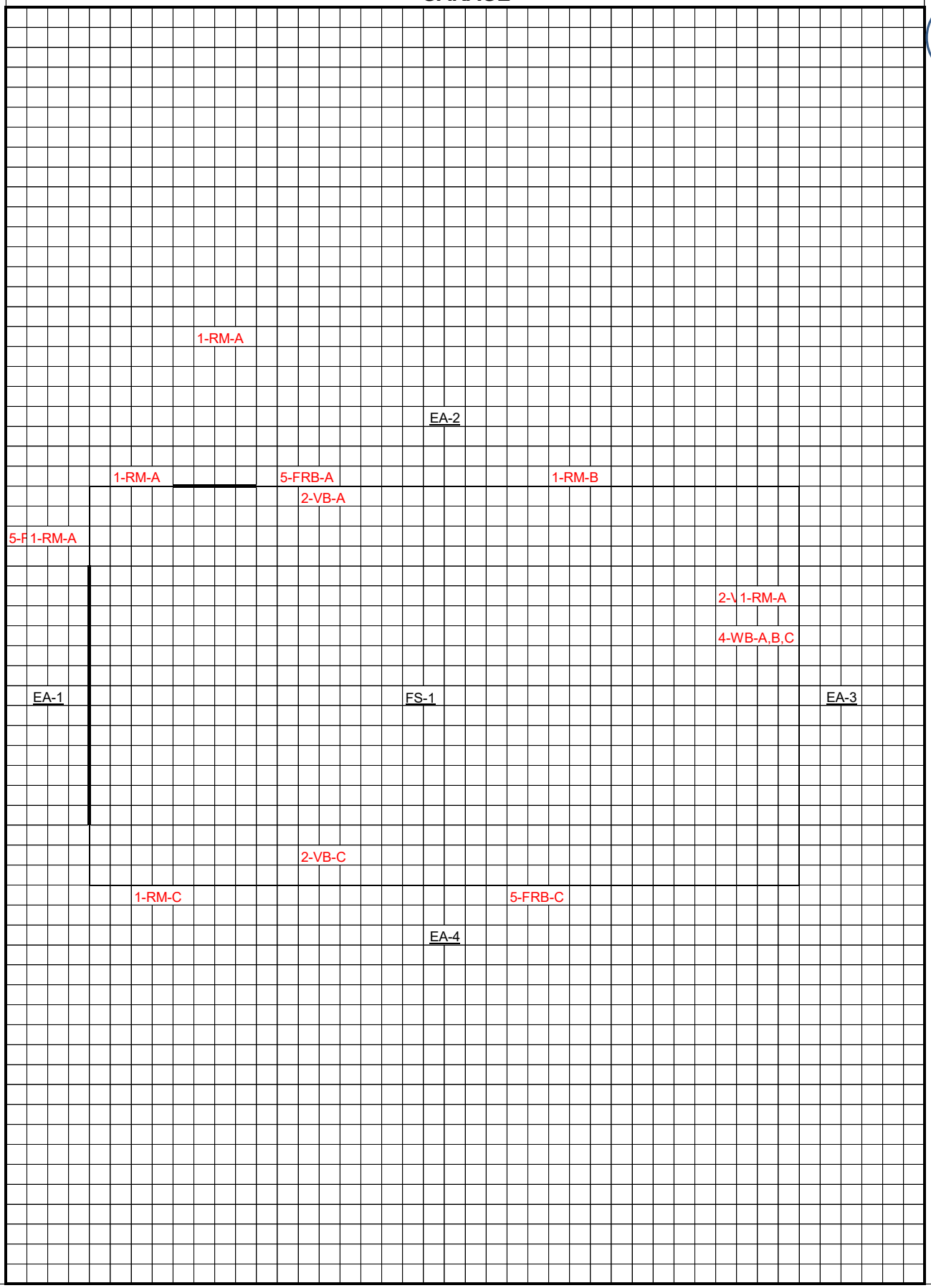
View of the garage roof (EA-5)

View of the garage interior (FS-1)

ATTACHMENT C

FUNCTIONAL SPACE MAPS

GARAGE



Street Address: 404 Parker Avenue, Kalamazoo, Michigan 49001

Inacessible