



Rhode Island Department of Health

3 Capitol Hill
Providence, RI 02908-5097

TTY: 711
www.health.ri.gov

April 5, 2023

Redevelopment Agency of Woonsocket
Michael F Debroisse
PO Box B, 169 Main Street
Woonsocket, RI 02895

Plan No.: 197998

Dear Owner/Agent:

The Rhode Island Department of Health (RIDOH) reviewed and approved the Asbestos Abatement Plan you submitted for the demolition of Multi-Use Building - Multi-Use Building, 40-56 Arnold St Woonsocket. The plan will expire 12 months from the date of this letter and the work must begin within 6 months of this approval date

The asbestos abatement work must be performed by a RIDOH-licensed Asbestos Contractor in accordance with all other requirements of the Rules and Regulations for Asbestos Control (216-RICR-50-15-1). A Start Work Notification (ASB-22) must be submitted to RIDOH at least 10 business days before the work begins. In addition, the Asbestos Supervisor must notify RIDOH at 401-222-7796 when site preparation begins. Personal air sample results and confirmation of disposal of asbestos must also be submitted to RIDOH in accordance with 216-RICR-50-15-1.

Please contact Alexander Yelle, 401-222-7777 or doh.asbestos@health.ri.gov if you have any questions regarding these requirements.

Sincerely,

Bonnie Cassani-Brandt
Asbestos & Radon Program Manager
Center for Healthy Homes & Environment
Division of Environmental Health

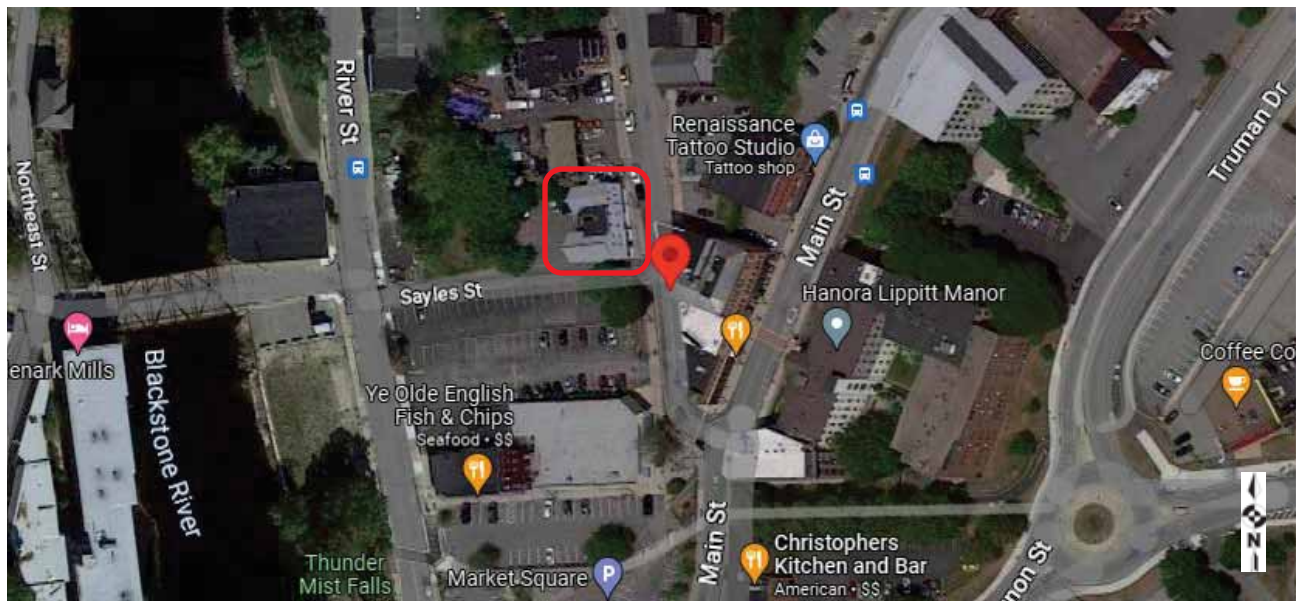
Cc: Asbestos Consultant



State of Rhode Island

Asbestos Abatement Plan
Demolition – Multi-use Building

Site Address: 40-56 Arnold Street, Woonsocket, RI 02895



Prepared for:

Owner
Redevelopment Agency of Woonsocket
c/o Department of Planning and Development
City of Woonsocket
P.O. Box B, 169 Main Street, Woonsocket, RI 02895

RI Analytical Project #2023022

DATE: March 1, 2023



TRANSMITTAL to RIDOH

To: Ms. Bonnie Cassani-Brandt P: 401.222.7784
RI Department of Health, Asbestos Program E: Bonnie.cassanibrandt@health.ri.gov
Three Capitol Hill, 206 Cannon Building,
Providence, RI 02908

cc: Mr. Michael F. Debroisse , Executive Director W: 401.767.9231; F: 401.766.9312
Redevelopment Agency of Woonsocket E: mdebroisse@woonsocketri.org
c/o Department of Planning and Development
City of Woonsocket, P.O. Box B, 169 Main Street
Woonsocket, RI 02895

cc: Mr. Jacob Neves, Construction Supervisor W: 401.767.9233; F: 401.766.9312
Department of Planning and Development E: jneves@woonsocketri.org
City of Woonsocket, P.O. Box B, 169 Main Street
Woonsocket, RI 02895

FROM: Kenneth Davis DATE: March 1, 2023

REF: Asbestos Abatement Plan – Demolition - Multi-Use Building
Site: 40-56 Arnold Street, Woonsocket, RI 02895
RI Analytical Laboratories, Inc. Project #2023022

Ms. Cassani-Brandt:

Attached to this Transmittal, please find the following.

- (1) Asbestos Abatement Plan for your review and approval
- (2) Check for \$300.00 for the Plan application fee for 1 - 10 NESHAP units of ACM.

Abatement at the Site will include the following **ACM** (Table 2 below).

Table 2 - ACM and ACWM Inventory Summary

Line #	HM #	Material Type	ACM Location	Sample # Asbestos Content	Condition	Estimated Quantity	Notes
1	17	Sealers (gray)	Center flat roof – 2 brick chimneys + 1 pipe penetration + 1 drain	17A 5-15% Chrysotile	(F)(ND)	40 SF	Remove as ACM all sealers from brick at base of chimney, with any flashing and other materials under flashing beneath the sealers. Removal as ACM all horizontal roof materials at base of chimneys to at least 1 ft away from chimneys and down to wood deck. Scrape all substrates to clean and encapsulate. Similarly for sealers on pipe penetration and drain.

Table 2 - ACM and ACWM Inventory Summary

Line #	HM #	Material Type	ACM Location	Sample # Asbestos Content	Condition	Estimated Quantity	Notes
2	18	Tar and gravel (black) asphaltic roof materials under non-asbestos rubber and iso-board insulation, on wood deck	Center flat roof – field and edges	18A 5-15% Chrysotile	(F)(ND)	1,500 SF	The tar & gravel roof materials are under non-asbestos rubber and iso-board insulation. Remove the rubber and iso-board as non-ACM unless there are asphaltic roof materials adhered to the underside of the iso-board – in which case those contaminated pieces of iso-board must be disposed of as ACM. Any materials with sealers (gray or black) must be disposed of as ACM. Scrape off sealers from metal materials or dispose of them as ACM. Remove all perimeter metal flashing including the flashing that wraps over and down at the roof edges to access ACM roof materials and sealers beneath – scrape any sealers off flashing or dispose of flashing as ACM. Remove as ACM all vertical materials below the edge flashing to at least 1 ft down on the walls. Remove as ACM all materials that may be flashed onto areas that adjoin the flat roof.
3	56	Window glazing (gray) on interior side of windows	Store space 2 front windows and 1 side window	56A 1-5% Chrysotile	(F)(ND)	30 SF	Remove and dispose of whole windows as ACM.

HM = Homogenous Material; F = Friable¹; NF = Non-Friable; I = Intact; D = Damaged (i.e. <10% of the material is damaged); SD = Significantly Damaged (i.e. >10% of the material is damaged); EA = Each; LF = Linear Feet; SF = Square Feet; CF = Cubic Feet.

NESHAP unit/RIDOH Abatement Plan Fee Calculation
- 1 NESHAP unit = 260 LF/160 SF/35 CF/or combination thereof

(40 + 1,500 + 30) SF/160 SF = **9.8 NESHAP units**, i.e., \$300.00 RIDOH Abatement Plan Filing Fee for 1 - 10 NESHAP units of ACM

The following waivers are requested:

1. A waiver for no clearance air sampling for demolition [216-RICR-50-15-1 §1.14.6 D 3.].

A waiver of interior background/pre-abatement and clearance air sampling is being requested as the asbestos abatement is being conducted for demolition purposes. For demolition projects where interior post abatement air clearance sampling has been waived by RIDOH, the asbestos abatement contractor shall secure the building during abatement and after completion of abatement so that no unauthorized or unprotected persons can enter the building. After successful post-abatement visual inspection by RI Analytical, the abatement contractor shall remove all abatement equipment and plastic; secure the building to prevent unauthorized entry (including screw-installation of ¾" plywood over exterior access doors and missing windows if requested by Owner) and post OSHA-compliant asbestos danger signage on the exterior doors at ground level of the building.

For exterior work, the asbestos abatement contractor shall collect OSHA compliance worker breathing zone air samples in lieu of clearance air samples to meet the requirements of OSHA Asbestos Construction Standard 29CFR1926.1101 §(f)(5) and 216-RICR-50-15-1 §1.13 and submit the laboratory analytical reports with the RIDOH abatement plan approval number to the Owner and RIDOH with 1 week of collection of the air samples.

¹ Friable = Material that, when dry, can be crumbled, shattered, pulverized or reduced to powder by hand pressure



RHODE ISLAND DEPARTMENT OF HEALTH

NOTARIZED CERTIFICATION OF ASBESTOS ABATEMENT PLAN

Facility/Building: Multi-Use Building
 Address: 40-56 Arnold Street
 City/Town: Woonsocket, RI ZIP: 02895 Amendment Phase No.: _____
 Abatement Plan Prepared By: Kenneth Davis RIDOH License No.: APD00510
 Summary of specific waivers/variances being requested:
 (1) 1. A waiver for no clearance air sampling for demolition [216-RICR-50-15-1 §1.14.6 D 3].

Abatement Information

Abatement Method: (Check all that apply)

☐ Removal ☐ Demolition
☐ Encapsulation ☐ Glovebag
☐ Enclosure ☒ Asphalt Roofing
☒ Other (specify): Windows

Asbestos Contractor: To Be Determined RIDOH License No.: _____
 Estimated Starting Date: April 1, 2023

Pre-Abatement Sampling Information

Bulk samples collected by: Danny Mullen RIDOH License No.: AI00963
 Bulk samples analyzed by: RI Analytical Laboratories, Inc. RIDOH License No.: PLM00142
 Air samples collected by: Not applicable for demolition RIDOH License No.: N/A
 Air samples analyzed by: Not applicable for demolition RIDOH License No.: N/A

Clearance Air Sampling Information

Air samples to be collected by: Not applicable for demolition
 Air samples to be analyzed by: Not applicable for demolition RIDOH License No.: N/A

CERTIFICATION

I certify that: this asbestos abatement plan is prepared and submitted under the provisions of Rhode Island General Laws Chapter 23-24.5 and the Rules and Regulations for Asbestos Control (216-RICR-50-15-1); all abatement/management activities performed in conjunction with this plan will be in compliance with the specifications prescribed in this plan (when approved) and the most current revision of all applicable federal and state regulations; and the asbestos abatement/management activities described in this plan will be performed by a Rhode Island licensed asbestos abatement contractor.

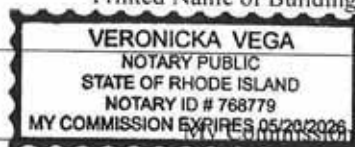
State of Rhode Island, County of Providence. On this 2 day of March, 2023, before me, the undersigned notary public, personally appeared MICHAEL DEPROVENCE (name of document signer), and proved to me through satisfactory evidence of identification to be the person whose name is signed on the preceding or attached document, and acknowledged that they signed it voluntarily for its stated purpose.

Signature of Building Owner or Agent

Printed Name of Building Owner or Agent

(official signature and stamp of notary)

Veronica Vega, 768779
 Printed Name, ID Number Notary Public



Form ASB-16B

Revised June 2022



RHODE ISLAND DEPARTMENT OF HEALTH
Center for Healthy Homes and Environment – Asbestos Program

ABATEMENT PLAN APPLICATION

1. Owner/Contact Name: Michael F. Debroisse
Title: Executive Director
If owned by an organization, organization name: Redevelopment Agency of Woonsocket
Address: P.O. Box B, 169 Main Street
City/State: Woonsocket, RI ZIP: 02895
Phone: 401.767.9231 Email: mdebroisse@woonsocketri.org

2. Application prepared by:
Name: Kenneth Davis RIDOH License No.: APD00510
Phone: 401.737.8500 x120 Email: kdavis@rianalytical.com

4. Location of abatement work:
Facility/Building Name: Multi-Use Building
Street Address: 40-56 Arnold Street
City/Town: Woonsocket, RI ZIP: 02895

5. Reason for Application: (Check all that apply)
☐ Emergency Plan No. _____
☒ Standard Plan
☐ Annual Plan
☐ Response to a Notice or Order (attach copy)

6. Asbestos contractor (if known):
Name: To Be Determined RIDOH License No.: _____

7. Estimated Abatement Work Dates

Start Date: April 1, 2023 Completion Date: August 31, 2023

8. Abatement Method: **(Check all that apply)**

- | | |
|---|--|
| <input type="checkbox"/> Removal | <input type="checkbox"/> Glovebag |
| <input type="checkbox"/> Encapsulation | <input checked="" type="checkbox"/> Asphalt Roofing |
| <input type="checkbox"/> Enclosure | <input type="checkbox"/> Operations & Maintenance Only |
| <input type="checkbox"/> Demolition | |
| <input checked="" type="checkbox"/> Other (Specify): <u>Windows</u> | |
-

9. Facility Type: **(Check one)**

- | | |
|---|--|
| <input type="radio"/> Child Care Facility | <input type="radio"/> Private Residential Dwelling |
| <input type="radio"/> College/University | <input type="radio"/> Public Housing |
| <input type="radio"/> Hospital | <input type="radio"/> School/School Building |
| <input checked="" type="radio"/> Other (Specify): <u>Multi-Use Building</u> | |
-

10. Building Access: **(Check one)**

- | | |
|---|---|
| <input type="radio"/> Public Access | <input checked="" type="radio"/> No Public Access |
| <input type="radio"/> Limited Public Access | <input type="radio"/> Other (specify) _____ |
-

11. Bulk Sampling:

A. Samples collected by:

Name: Danny Mullen RIDOH License No.: AI00963

B. Sampling Methodology: **(Check one)**

- ☐ EPA AHERA Sampling requirements [40 CFR 763.86].
- ☐ Other (Specify): Guidance for Controlling Asbestos Containing Materials – 1985 Edition (EPA-560-5-85-024)

C. Analytical Service:

Name: RI Analytical Laboratories, Inc. RIDOH License No.: PLM00142

D. Analytical Method: **(Check one)**

- ☒ PLM (Phase Light Microscopy)
- ☐ TEM (Transmission Electron Microscopy)
- ☐ Other (Specify): _____
-

12. Pre-Abatement Air Sampling:

A. Samples collected by:

Name: Not applicable for demolition RIDOH License No.: N/A

Affiliation: _____

B. Analytical Service:

Name: _____ RIDOH License No.: _____

C. Analytical Method: (**Check one**)

☐ PCM (Phase Contrast Microscopy)

☐ TEM (Transmission Electron Microscopy)

☒ Other (Specify): Not applicable for demolition

13. Removal and Disposal of Asbestos-Containing Material (ACM):

A. How will ACM be removed from the abatement site? If a hauler or broker will be used to transport the ACM to a disposal site, they must also be identified.

RACM and asbestos materials waste will be placed in double 6-mil labeled poly bags or double 6-mil plastic lined labeled barrels, and then into double 6-mil plastic lined dumpster & transported by licensed hauler (to be determined) to a licensed asbestos waste facility.

B. Provide the name and location of the authorized asbestos waste facility where the ACM will be transferred for disposal (if known).

To be determined.

14. Project Monitor: (**not required**)

Name: RI Analytical Staff RIDOH License No.: N/A

Affiliation: RI Analytical Laboratories, Inc.

15. In-Process & Clearance Air Sampling:

A. Describe in an attachment the type, number and location of air samples that will be collected outside the work area during the abatement project.

B. Describe in an attachment the plan of action to be followed if the Indoor Non-Occupational Air Exposure Standard for Asbestos (0.01 fibers per cubic centimeter) is exceeded outside the work area during the abatement project.

C. Describe in an attachment the type, number and location of air samples that will be collected as part of the final clearance testing.

D. Describe in an attachment the plan of action to be followed if the Indoor Non-Occupational Air Exposure Standard for Asbestos (0.01 fiber per cubic centimeter) is exceeded during final clearance testing.

16. A separate and fully completed Form ASB-16A must be submitted for *each area* to be abated. List below the entry in Item 1 from each attached ASB-16A.

Area 1 - Roof and Exterior

17. Asbestos Abatement Plan Application Fee:

- | | |
|---|-------|
| <input type="checkbox"/> State Agency, fee waived | \$0 |
| <input type="checkbox"/> Operation & Maintenance Program Only | \$75 |
| <input type="checkbox"/> Up to One (1) NESHAP Unit | \$75 |
| <input checked="" type="checkbox"/> Between One (1) & Ten (10) NESHAP Units | \$300 |
| <input type="checkbox"/> Between Ten (10) & Fifty (50) NESHAP Units | \$600 |
| <input type="checkbox"/> Over Fifty (50) NESHAP Units | \$900 |
| <input type="checkbox"/> Annual Plan | N/A |

One (1) NESHAP Unit = 260 linear feet or 160 square feet or 35 cubic meters

18. I certify that this plan was prepared by me, and I am responsible for its content.

Name: Kenneth Davis RIDOH License No.: APD00510

Signature:  Date: 3/1/2023

Affiliation: RI Analytical Laboratories, Inc.

Email: kdavis@rianalytical.com Phone: 401.737.8500 x120



RHODE ISLAND DEPARTMENT OF HEALTH
Center for Healthy Homes and Environment – Asbestos Program
ASBESTOS ABATEMENT PLAN APPLICATION

Supplemental Information: Area Description and Proposed Plan

Facility/Building: Multi-Use Building, 40-56 Arnold Street, Woonsocket, RI 02895

INSTRUCTIONS:

A separate and fully completed Form ASB-16A must be submitted for *each area* to be abated. All items on this form must be addressed. All references to attachments must be clearly identified. All attachments must be marked with the specific item numbers on this form to which they pertain.

1. Area Location/Identification (Room Name/No., etc.):

Area 1 – Roof and Exterior Windows

2. Attach a description of each type (e.g., pipe, ceiling, etc.) of asbestos-containing material (ACM) in this area, including condition, location, quantity, and asbestos content. Attach a copy of the laboratory report(s) for all samples. All laboratory reports must include the name of the building(s) and the location(s) of the sample(s).

3. Attach a current scale drawing of this area, showing direction of North and East, which has been clearly annotated to show the type, location, and quantity of all ACM in this area. This drawing must include a legend which acts as a guide to the scale, symbols and nomenclature used in the drawing. If a master plan or multiple drawings are provided, indicate the specific location(s) and drawing number(s) which depict this area. The location of the decontamination chamber must also be so indicated on the appropriate drawing(s).

4. Proposed Plan:

A. Attach a description of the interim Operations and Maintenance Plan that will be implemented in accordance with 1.17.2(B).

- B. Will any portion of this area be abated by use of 1.14 work procedures?

☒ Yes ☐ No

If yes, indicate below which ACM in this area will be abated by use of the following 1.14 work procedures: **(Check all that apply)**

☐ 1.14.2 & 1.14.3 Removal

<input type="checkbox"/>	1.14.2 & 1.14.4 Encapsulation	_____
<input type="checkbox"/>	1.14.2 & 1.14.5 Enclosure	_____
<input type="checkbox"/>	1.14.6 Demolition	_____
<input type="checkbox"/>	1.14.7 Glovebag	_____
<input checked="" type="checkbox"/>	1.14.8 Asphalt Roofing	See Table 2
<input checked="" type="checkbox"/>	Other (Specify)	See Table 2

C. Are you requesting any waivers to the above selected 1.14 procedure for any of the abatement activities in this area?

☒ Yes ☐ No

If yes, attach a detailed description of the waivers requested you are proposing to utilize. ***All items must be keyed to the specific section(s) of the regulations for which waivers are requested.***

D. Are you proposing alternative procedures under 1.16 for any of the abatement activities in this area?

☐ Yes ☒ No

If yes, attach a detailed description of the alternate procedures requested you are proposing to utilize. ***Alternate procedures must include a justification for not following specific section(s) of the regulations and be as protective of public health.***

E. Will any ACM remain in this area after abatement?

☐ Yes ☒ No ☐ Beyond scope of inspection

If yes, attach a description of the ACM that will remain and the details of the on-going Operations and Maintenance Plan that will be implemented in accordance with 1.17.2(B).

ATTACHMENT #1

ASB-16 - 17A-D

The RIDOH-licensed Asbestos Contractor will comply with applicable sections of RIDOH Rules and Regulations for Asbestos Control [216-RICR-50-15-1 – formerly R23-24.5-ASB].

For exterior roof and window work, in lieu of air clearance and in-process air sampling, the Contractor shall collect OSHA personal air samples, representing each type of work activity [216-RICR-50-15-1, §1.14.8 K.] in accordance with 29 CFR 1926.1101 (f).

The abatement contractor shall submit all personal air sample results (from a RIDOH licensed laboratory) for the exterior work to the Owner or Owner's Agent, as well as to RIDOH within 1 week of collection of the air samples.

Under no circumstances will Contractor personnel remove the air sample cassettes from their breathing zones, remove the pumps collecting the air samples from their belts or leave the air pumps running other than on the personnel.

Failure to collect personal air samples in compliance with applicable regulations, current state of the art industry practice and in accordance with NIOSH method 7400 (most current edition) will constitute grounds for immediate dismissal of all Contractor staff complicit in the opinion of the Owner's representative and/or Industrial Hygienist. The contractor shall demonstrate to the Industrial Hygienist that they have a calibration certificate for any calibrator being used for personal air samples that was prepared less than 1 month prior to the sampling date by a certified laboratory or calibration entity acceptable to the Industrial Hygienist. The laboratory to be used for sample analyses shall be approved by the Industrial Hygienist. The Contractor may elect to hire their own consultant to conduct their OSHA compliance air sampling, who shall be a full-time employee of a RIDOH licensed laboratory, and who will also be subject to review by the Industrial Hygienist.

In addition, for exterior window removal. RI Analytical staff will collect upwind and downwind air samples. Sample collection and analysis will be by Phase Contrast Microscopy (PCM) in accordance with the NIOSH 7400 method. The number and location of samples taken per day will be determined by the on-site Industrial Hygienist (IH).

ATTACHMENT #2

ASB-16A – 2

Scope of Work:

The following Table 1 summarizes the materials suspected of containing asbestos that were identified during the pre-demolition inspection. The laboratory analytical reports are located in Attachment #3.

The sample results are summarized in **Table 1** below. Materials determined to be **ACM**¹ are highlighted in **yellow**. Materials determined to be **ACWM**² are highlighted in **green**.

Line #	HM#/ Sample #	Material	Location	Asbestos Result
1	1A	Joint compound (JC) (white) on gypsum board (GB)	Apt #3 – kitchen ceiling	Not Detected
2	1B	JC (white) on GB	Apt #3 – kitchen wall	Not Detected
3	1C	JC (white) on GB	Apt #4 – kitchen wall	Not Detected
4	1D	JC (white) on GB	Apt #4 – kitchen ceiling	Not Detected
5	1E	JC (white) on GB	Apt #2 – kitchen ceiling	Not Detected
6	1F	JC (white) on GB	Apt #2 – stairwell wall	Not Detected
7	1G	JC (white) on GB	Apt #1 – bathroom wall	Not Detected
8	1H	JC (white) on GB	Apt #1 – bathroom ceiling	Not Detected
9	1I	JC (white) on GB	Church – upper-level wall	Not Detected
10	2A	GB (white) on wood studs	Apt #3 – kitchen ceiling	Not Detected
11	2B	GB (white) on wood studs	Apt #4 – kitchen ceiling	Not Detected
12	3A	Anti-condensate coating (beige) on stainless steel sink	Apt #3 – kitchen sink	Not Detected
13	3B	Anti-condensate coating (beige) on stainless steel sink	Apt #4 – kitchen sink	Not Detected
14	4A	Grout (brown) on ceramic wall tile (CWT)	Apt #3 – kitchen wall (back splash)	Not Detected
15	4B	Grout (brown) on CWT	Apt #3 – kitchen wall (back splash)	Not Detected
16	4C	Grout (brown) on CWT	Apt #3 – kitchen wall (back splash)	Not Detected
17	5A	Set bed cement (white) u/#4A on JC on GB	Apt #3 – kitchen wall (back splash)	Not Detected
18	5B	Set bed cement (white) u/#4B on JC on GB	Apt #3 – kitchen wall (back splash)	Not Detected
19	5C	Set bed cement (white) u/#4C on JC on GB	Apt #3 – kitchen wall (back splash)	Not Detected
20	6A	Grout (black) on ceramic floor tile (CFT)	Apt #3 – kitchen floor	Not Detected
21	6B	Grout (black) on CFT	Apt #3 – kitchen floor	Not Detected
22	6C	Grout (black) on CFT	Apt #3 – kitchen floor	Not Detected
23	7A	Set bed (white) u/CFT on wood	Apt #3 – kitchen floor	Not Detected
24	7B	Set bed (white) u/CFT on wood	Apt #3 – kitchen floor	Not Detected
25	7C	Set bed (white) u/CFT on wood	Apt #3 – kitchen floor	Not Detected
26	8A	Glue (yellow) on wood frame	Apt #3 – living room window	Not Detected
27	8B	Glue (yellow) on wood frame	Apt #3 – living room window	Not Detected
28	9A	2'x2' suspended acoustic tile (SAT) (white)	Apt #3 – bathroom ceiling	Not Detected

¹ **ACM** = Asbestos Containing Material.

² **ACWM** = Asbestos-Containing Waste Materials. As applied to demolition and renovation operations, this term also includes regulated asbestos-containing material waste and materials contaminated with asbestos ... (under both EPA 40CFR61 Subpart M-National Emission Standard for Asbestos §61.141 Definitions, and RIDOH asbestos regulations 216-RICR-50-15-1 §1.3 Definitions #A. 13.).

Table 1 - Work Order #2302-02867 - Suspect Materials - Laboratory Analytical Data Summary

Line #	HM#/ Sample #	Material	Location	Asbestos Result
29	9B	2'x2' SAT (white)	Apt #3 – bathroom ceiling	Not Detected
30	10A	Grout (black) on CFT	Apt #3 – bathroom floor	Not Detected
31	10B	Grout (black) on CFT	Apt #3 – bathroom floor	Not Detected
32	10C	Grout (black) on CFT	Apt #3 – bathroom floor	Not Detected
33	11A	Set bed (gray) on wood	Apt #3 – bathroom floor	Not Detected
34	11B	Set bed (gray) on wood	Apt #3 – bathroom floor	Not Detected
35	11C	Set bed (gray) on wood	Apt #3 – bathroom floor	Not Detected
36	12A	12"x12" vinyl floor tile (VFT) (white)	Apt #4 – kitchen floor	Not Detected
37	12B	12"x12" VFT (white)	Apt #4 – kitchen floor	Not Detected
38	13A	Glue (yellow) on wood	Apt #4 – kitchen floor	Not Detected
39	13B	Glue (yellow) on wood	Apt #4 – kitchen floor	Not Detected
40	14A	Textured skim coat (SC) (white) on JC & GB	Apt #2 – kitchen ceiling	Not Detected
41	14B	Textured skim coat (SC) (white) on JC & GB	Apt #2 – living room ceiling	Not Detected
42	14C	Textured skim coat (SC) (white) on JC & GB	Apt #2 – bedroom ceiling	Not Detected
43	15A	Asphalt shingle (white) on wood	North roof – field	Not Detected
44	15B	Asphalt shingle (white) on wood	North roof – field	Not Detected
45	16A	Sealer (black) on PVC pipe	North roof – pipe penetration	Not Detected
46	16B	Sealer (black) on PVC pipe	North roof – pipe penetration	Not Detected
47	16C	Sealer (black) on PVC pipe	North roof – pipe penetration	Not Detected
48	17A	Sealer (gray) flashed onto chimney	Center flat roof – chimney	5-15% Chrysotile
49	17B	Sealer (gray) flashed onto chimney	Center flat roof – chimney	Positive Stop
50	17C	Sealer (gray) flashed onto chimney	Center flat roof – chimney	Positive Stop
51	18A	Tar and gravel (black) u/rubber membrane (black)	Center flat roof – field	5-15% Chrysotile
52	18B	Tar and gravel (black) u/rubber membrane (black)	Center flat roof – field	Positive Stop
53	18C	Tar and gravel (black) u/rubber membrane (black)	Center flat roof – field	Positive Stop
54	19A	Tar paper (black) u/#18A	Center flat roof – field	Not Detected
55	19B	Tar paper (black) u/#18B	Center flat roof – field	Not Detected
56	20A	Asphalt shingle (red) u/#19A	Center flat roof – field	Not Detected
57	20B	Asphalt shingle (red) u/#19B	Center flat roof – field	Not Detected
58	21A	Tar paper (black) u/#20A on wood	Center flat roof – field	Not Detected
59	21B	Tar paper (black) u/#20B on wood	Center flat roof – field	Not Detected
60	22A	Mortar (gray) on brick	Center flat roof – chimney	Not Detected
61	22B	Mortar (gray) on brick	Center flat roof – chimney	Not Detected
62	22C	Mortar (gray) on brick	Center flat roof – chimney	Not Detected
63	23A	SC (white)	Apt #3 – kitchen ceiling	Not Detected
64	23B	SC (white)	Apt #3 – kitchen wall	Not Detected
65	23C	SC (white)	Apt #4 – kitchen wall	Not Detected
66	23D	SC (white)	Apt #4 – kitchen ceiling	Not Detected
67	23E	SC (white)	Apt #2 – kitchen ceiling	Not Detected
68	23F	SC (white)	Apt #2 – stairwell wall	Not Detected
69	23G	SC (white)	Apt #1 – bathroom wall	Not Detected
70	23H	SC (white)	Apt #1 – bathroom ceiling	Not Detected
71	23I	SC (white)	Church – upper-level wall	Not Detected
72	24A	Plaster (gray) u/#23A on wood lathe	Apt #3 – kitchen ceiling	Not Detected
73	24B	Plaster (gray) u/#23B on wood lathe	Apt #3 – kitchen wall	Not Detected

Table 1 - Work Order #2302-02867 - Suspect Materials - Laboratory Analytical Data Summary

Line #	HM#/ Sample #	Material	Location	Asbestos Result
74	24C	Plaster (gray) u/#23C on wood lathe	Apt #4 – kitchen wall	Not Detected
75	24D	Plaster (gray) u/#23D on wood lathe	Apt #4 – kitchen ceiling	Not Detected
76	24E	Plaster (gray) u/#23E on wood lathe	Apt #2 – kitchen ceiling	Not Detected
77	24F	Plaster (gray) u/#23F on wood lathe	Apt #2 – stairwell wall	Not Detected
78	24G	Plaster (gray) u/#23G on wood lathe	Apt #1 – bathroom wall	Not Detected
79	24H	Plaster (gray) u/#23H on wood lathe	Apt #1 – bathroom ceiling	Not Detected
80	24I	Plaster (gray) u/#23I on wood lathe	Church – upper-level wall	Not Detected
81	25A	1'x1' spline tile (tan) on wood strip	Apt #1 – kitchen ceiling	Not Detected
82	25B	1'x1' spline tile (tan) on wood strip	Apt #1 – living room ceiling	Not Detected
83	26A	1'x1' spline tile (white) on wood strip	Apt #1 – kitchen ceiling	Not Detected
84	26B	1'x1' spline tile (white) on wood strip	Apt #1 – living room ceiling	Not Detected
85	27A	Grout (gray) on CFT	Apt #1 – bathroom floor	Not Detected
86	27B	Grout (gray) on CFT	Apt #1 – bathroom floor	Not Detected
87	27C	Grout (gray) on CFT	Apt #1 – bathroom floor	Not Detected
88	28A	Set bed (white) u/CFT on wood	Apt #1 – bathroom floor	Not Detected
89	28B	Set bed (white) u/CFT on wood	Apt #1 – bathroom floor	Not Detected
90	28C	Set bed (white) u/CFT on wood	Apt #1 – bathroom floor	Not Detected
91	29A	12"x12" vinyl wall tile (VWT) (brown)	Apt #1 – kitchen wall	Not Detected
92	29B	12"x12" vinyl wall tile (VWT) (brown)	Apt #1 – kitchen wall	Not Detected
93	30A	Glue daubs (gray) u/#29A on wood paneling	Apt #1 – kitchen wall	Not Detected
94	30B	Glue daubs (gray) u/#29B on wood paneling	Apt #1 – kitchen wall	Not Detected
95	31A	Linoleum sheet (green) beneath build up wood floor	Apt #1 – blue room floor	Not Detected
96	31B	Linoleum sheet (green) beneath build up wood floor	Apt #1 – blue room floor	Not Detected
97	32A	Linoleum sheet (brown) u/#31A on wood	Apt #1 – blue room floor	Not Detected
98	32B	Linoleum sheet (brown) u/#31B on wood	Apt #1 – blue room floor	Not Detected
99	33A	Floor leveler (beige) u/ carpet	Church upper level - floor	Not Detected
100	33B	Floor leveler (beige) u/ carpet	Church upper level - floor	Not Detected
101	34A	Glue (yellow) u/carpet	Church upper level - floor	Not Detected
102	34B	Glue (yellow) u/carpet	Church upper level - floor	Not Detected
103	35A	VFT (pink) u/#34A	Church upper level - floor	Not Detected
104	35B	VFT (pink) u/#34B	Church upper level - floor	Not Detected
105	36A	Glue (yellow) u/#35A	Church upper level - floor	Not Detected
106	36B	Glue (yellow) u/#35B	Church upper level - floor	Not Detected
107	37A	Vinyl flooring material (tan) w/ on wood	Church upper level - floor	Not Detected
108	37B	Vinyl flooring material (tan) on wood	Church upper level - floor	Not Detected
109	38A	VFT (blue)	Church upper level - floor	Not Detected
110	38B	VFT (blue)	Church upper level - floor	Not Detected
111	39A	Glue (yellow) u/#38A	Church upper level - floor	Not Detected
112	39B	Glue (yellow) u/#38B	Church upper level - floor	Not Detected
113	40A	VFT (gray)	Church lower level - floor	Not Detected
114	40B	VFT (gray)	Church lower level - floor	Not Detected
115	41A	Glue (yellow) u/#40A	Church lower level - floor	Not Detected
116	41B	Glue (yellow) u/#40B	Church lower level - floor	Not Detected
117	42A	Linoleum sheet (brown) beneath build up wood floor	Church lower level - floor	Not Detected
118	43A	Cellulose material (gray) u/#42A on wood	Church lower level - floor	Not Detected

Table 1 - Work Order #2302-02867 - Suspect Materials - Laboratory Analytical Data Summary				
Line #	HM#/ Sample #	Material	Location	Asbestos Result
119	44A	Glue (yellow) on JC and GB u/plastic tiles	Church upper bathroom - wall	Not Detected
120	44B	Glue (yellow) on JC and GB u/plastic tiles	Church upper bathroom - wall	Not Detected
121	45A	2'x4' SAT (white)	Church upper level -ceiling	Not Detected
122	45B	2'x4' SAT (white)	Church upper level -ceiling	Not Detected
123	46A	Grout (white) on CWT	Church upper bathroom - wall	Not Detected
124	46B	Grout (white) on CWT	Church upper bathroom - wall	Not Detected
125	46C	Grout (white) on CWT	Church upper bathroom - wall	Not Detected
126	47A	Glue (yellow) u/CWT	Church upper bathroom - wall	Not Detected
127	47B	Glue (yellow) u/CWT	Church upper bathroom - wall	Not Detected
128	48A	Glue (tan) u/#47A	Church upper bathroom - wall	Not Detected
129	48B	Glue (tan) u/#47B	Church upper bathroom - wall	Not Detected
130	49A	Linoleum sheet (white)	Church upper bathroom - floor	Not Detected
131	49B	Linoleum sheet (white)	Church upper bathroom - floor	Not Detected
132	50A	Tar paper (black) u/vinyl siding u/wood shingle on wood	East exterior wall	Not Detected
133	50B	Tar paper (black) u/vinyl siding u/wood shingle on wood	North exterior wall	Not Detected
134	51A	12"x12" VFT (black)	Store space – south floor	Not Detected
135	51B	12"x12" VFT (black)	Store space – east floor	Not Detected
136	52A	12"x12" VFT (multi-colored) u/#51A	Store space – south floor	Not Detected
137	52B	12"x12" VFT (multi-colored) u/#51B	Store space – east floor	Not Detected
138	53A	Adhesive (brown) u/#52A on wood	Store space – south floor	Not Detected
139	53B	Adhesive (brown) u/#52B on wood	Store space – east floor	Not Detected
140	54A	Stucco (gray) on stone foundation	East exterior foundation	Not Detected
141	54B	Stucco (gray) on stone foundation	North exterior foundation	Not Detected
142	54C	Stucco (gray) on stone foundation	West exterior foundation	Not Detected
143	55A	Window glazing (black) on metal	Church front window system	Not Detected
144	55B	Window glazing (black) on metal	Church front window system	Not Detected
145	56A	Window glazing (gray) on glass and wood	Store space front interior window	1-5% Chrysotile
146	56B	Window glazing (gray) on glass and wood	Store space front interior window	Positive Stop
147	57A	Window caulking (gray) on glass and wood	Store space front exterior window	Not Detected
148	57B	Window caulking (gray) on glass and wood	Store space front exterior window	Not Detected
149	58A	Vibration cloth (black) on metal	Store space basement AHU	Not Detected
150	58B	Vibration cloth (black) on metal	Store space basement AHU	Not Detected

The scope of asbestos abatement work involves the removal of the ACM and ACWM identified in the **Table 2** below.

All work will be conducted using **216-RICR-50-15-1 §1.14.2 & §1.14.8** (formerly B.8.8) work procedures for asphalt roofing and exterior window materials.

It is the contractor's responsibility to verify quantities of all identified asbestos containing building materials and locations and site conditions.

Salvage of interior items, utility disconnects and emptying, cleaning and removal of interior contents and equipment shall be completed *prior to commencement of ACM abatement work as no access to the interior of the building is allowed after abatement commences, unless post-abatement clearance air testing is completed by RI Analytical (and for which an amendment will have to be prepared, work*

practices will have to be changed, and the amendment will have to be submitted to RIDOH for approval prior to undertaking changed work practices and prior to clearance air sampling). The abatement contractor would also have to modify their setup and work procedures if clearance air sampling and building re-entry after abatement is required.

All applicable OSHA, federal, state, and local asbestos, renovation and safety regulations shall be followed. It is the responsibility of the asbestos contractor to collect personnel air samples in compliance with OSHA 29 CFR 1926.1101 (f).

Table 2 - ACM and ACWM Inventory Summary							
Line #	HM #	Material Type	ACM Location	Sample # Asbestos Content	Condition	Estimated Quantity	Notes
1	17	Sealers (gray)	Center flat roof – 2 brick chimneys + 1 pipe penetration + 1 drain	17A 5-15% Chrysotile	(F)(ND)	40 SF	Remove as ACM all sealers from brick at base of chimney, with any flashing and other materials under flashing beneath the sealers. Removal as ACM all horizontal roof materials at base of chimneys to at least 1 ft away from chimneys and down to wood deck. Scrape all substrates to clean and encapsulate. Similarly for sealers on pipe penetration and drain.
2	18	Tar and gravel (black) asphaltic roof materials under non-asbestos rubber and iso-board insulation, on wood deck	Center flat roof – field and edges	18A 5-15% Chrysotile	(F)(ND)	1,500 SF	The tar & gravel roof materials are under non-asbestos rubber and iso-board insulation. Remove the rubber and iso-board as non-ACM unless there are asphaltic roof materials adhered to the underside of the iso-board – in which case those contaminated pieces of iso-board must be disposed of as ACM. Any materials with sealers (gray or black) must be disposed of as ACM. Scrape off sealers from metal materials or dispose of them as ACM. Remove all perimeter metal flashing including the flashing that wraps over and down at the roof edges to access ACM roof materials and sealers beneath – scrape any sealers off flashing or dispose of flashing as ACM. Remove as ACM all vertical materials below the edge flashing to at least 1 ft down on the walls. Remove as ACM all materials that may be flashed onto areas that adjoin the flat roof.
3	56	Window glazing (gray) on interior side of windows	Store space 2 front windows and 1 side window	56A 1-5% Chrysotile	(F)(ND)	30 SF	Remove and dispose of whole windows as ACM.

HM = Homogenous Material; F = Friable³; NF = Non-Friable; I = Intact; D = Damaged (i.e. <10% of the material is damaged); SD = Significantly Damaged (i.e. >10% of the material is damaged); EA = Each; LF = Linear Feet; SF = Square Feet; CF = Cubic Feet.

NESHAP unit/RIDOH Abatement Plan Fee Calculation - 1 NESHAP unit = 260 LF/160 SF/35 CF/or combination thereof	(40 + 1,500 + 30) SF/160 SF = 9.8 NESHAP units , i.e., \$300.00 RIDOH Abatement Plan Filing Fee for 1 - 10 NESHAP units of ACM
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³ Friable = Material that, when dry, can be crumbled, shattered, pulverized or reduced to powder by hand pressure

Notes:

1. {F} = Friable (materials not shown as friable, and those shown as non-friable, that may become friable during the course of the work must be considered as friable.
2. **Quantities are approximate - it is the contractor's responsibility to verify quantities as well as site conditions.**
3. The Owner/Owner's Representative has hired RI Analytical to complete abatement monitoring including review of abatement contractor procedures and post-abatement visual inspections and completion letters. No other person or entity other than RI Analytical shall provide these services.
4. Refer to Owner's Contract Documents including bid forms, drawings, and specifications - the strictest interpretation of all documents and regulations shall apply where conflicts in the documents arise. The Contractor will comply with the Owner's Contract Documents including drawings.
5. Remove and dispose of ACM identified in the abatement plan in accordance with all applicable federal, state and local rules and regulations including EPA, OSHA, RIDEM and RIDOH rules and regulations.
6. All workers are to use protective clothing and respiratory protection as well as comply with all regulations, including OSHA regulations for asbestos abatement and building renovation. It is the Contractor's responsibility to correctly select personnel protective equipment and respiratory protection and medical surveillance for all hazardous materials likely to be encountered.
7. Contractor is responsible for all regulatory (including OSHA) compliance for all hazardous materials, including regulations related to disturbing paint that may contain lead or other hazardous materials. The Owner, its sub-consultants and their agents and sub-contractors are not responsible for the Contractor's means and methods and regulatory compliance.
8. The Contractor shall conduct daily OSHA STEL and PEL personnel air monitoring of asbestos abatement workers to demonstrate compliance with the provisions of OSHA 29 CFR 1926.1101. The on-site Industrial Hygienist (IH) may conduct periodic PCM air testing (NIOSH 7400 method) at representative interior areas adjacent to and outside of interior containment work areas during the abatement work.
9. The Asbestos Abatement Contractor must consult with Owner prior to submitting a bid regarding who will supply water, power and drains required to complete the work. GFCI cords and panels, hoses and shut off valves are to be provided by the Asbestos Abatement Contractor.
10. Decontamination facility (Decon, Decon unit, Decon facility) – 3-stage decontamination facilities with hot and cold water showers, 5 µm final waste water filter with pump activated by float switch, and disposable towels shall be used for the work. The Decon facility shall be maintained clean, neat and free of stored items, except for supplies of disposable towels and waste receptacles, at all times.
11. The Contractor will use an opaque encapsulant and/or add dye to the encapsulant, if requested by the Owner's representative, at no extra cost.
12. The Contractor shall designate 1 (one) asbestos abatement site supervisor for the project that shall be licensed by and in good standing with the RIDOH. The supervisor shall have a minimum of 5 (five) years of experience as an asbestos abatement site supervisor without violations, citations or legal judgments. The asbestos abatement site supervisor shall attend pre-construction meetings as required by Owner. The designated asbestos abatement site supervisor shall be on site at all times during the work. The Contractor shall maintain a licensed asbestos abatement worker outside the containment areas at all times during the work. The Owner reserves the right to immediately dismiss any Contractor employee from the site for any reason whatsoever.
13. The Contractor will ensure that no water escapes work areas and leaks into adjacent non-work areas. All water shall be turned off and disconnected at the sources at the end of each work shift and verified as not leaking. The contractor is responsible for water damage as a result of their setup and failure to monitor and shut off the water.

14. The Contractor shall post signs on all exterior doors to the building identifying the locations and nature of the work in accordance with RIDOH regulations Subparagraph B.8.2 (g).
15. The Contractor shall coordinate work with Owner's representative, GC and other trades.
16. HEPA unit exhausts - 6 or 8 mil plastic factory made 12" diameter tubes with no joins or tees, secured through plywood with 12" diameter holes at roof or other Owner provided location directly to the exterior and away from air intakes or ingestion pathways. Verify HEPA units are in good working order with 3 filters (course, fine and HEPA) securely in place with gaskets and no gaps between metal exhaust tube mounting collar and unit housing. HEPA unit exhausts that pass through interior building areas outside of containment prior to exiting to the exterior shall be double, 6-mil plastic tubes.
17. Containment setups, Decontamination facility locations and HEPA unit quantities and locations on the attached drawing are schematic only and site conditions, availability of water, power and drains, as well as scheduling and other requirements may require modifications to be made, which must be reviewed in advance with the IH.
18. Costs associated with amendments to the RIDOH approved abatement plan and change notifications to RIDOH and EPA and any associated delays are the responsibility of the Contractor.
19. Phasing/scheduling of the work shall meet the requirements of the Owner.
20. Maintain negative 0.020" water pressure differential inside work containment areas relative to outside with good airflow throughout the containment work areas. Demonstrate using contractor supplied, calibrated manometer to IH that sufficient negative pressure is being maintained.
21. Move any free-standing items in the way of ACM abatement work into adjacent non-work areas prior to commencement of setup. Pre-clean and decontaminate as necessary.
22. The Contractor shall immediately comply and abide by all directives and stop work orders from Owner, Owner's representative or on-site IH/Project Monitor without prejudice and at no cost to Owner, Owner's representative or on-site IH/Project Monitor.
23. The Contractor shall provide a copy of all permits and notifications to the Owner and IH/Project Monitor at the time of submission to applicable agencies, including to EPA and RIDOH. No work or preparation for work shall be undertaken prior to receipt of these permits and notifications.
24. For demolition projects where post abatement air clearance sampling has been waived by RIDOH, the abatement contractor shall secure the building during abatement and after completion of abatement so that no unauthorized or unprotected persons can enter the building. After successful post-abatement visual inspection by the IH, remove all abatement equipment and plastic, secure the building and post OSHA compliant asbestos danger signage on the exterior doors and windows of the 1st floor and building access areas.
25. The scope of work included the inspection for materials suspected of containing asbestos, collection of bulk samples and determination of types of ACM found. Reasonable efforts were made to discover hidden suspect materials that will be impacted by the project, however, some hidden materials containing asbestos may only be discovered during demolition, at which time work must stop until the suspect materials can be inspected and sampled for asbestos by a licensed inspector, or the suspect materials can be presumed to be ACM and removed and disposed in accordance with federal and state regulations.

ATTACHMENT #3

Bulk Asbestos Laboratory Analytical Reports and Chain-of-Custody Forms

LABORATORY REPORT

R.I. Analytical Laboratories
Attn:
E.A.M. Division
15 Lark Industrial Parkway
Smithfield, RI 02828

Date Received: 2/16/2023
Date Reported: 2/23/2023
Work Order #: 2302-02867

Site Location: Woonsocket Dept-Multi Use Bldg EAM # 2023022

Enclosed please find your sample(s) analysis results for asbestos content. The six asbestos types include amosite, chrysotile, crocidolite, anthophyllite, tremolite, and actinolite.

Analysis by Polarized Light Microscopy (PLM) was performed in accordance with EPA 40 CFR Appendix E to Subpart E of Part 763 and/or EPA 600/R-93/116.

R.I. Analytical Laboratories, Inc. maintains bulk asbestos fiber NVLAP accreditation under Lab Code 101440-0. This report does not serve as a product certification, approval, and/or endorsement by NVLAP, NIST, or any federal agency.

The sample(s) submitted for analysis were accepted by R.I. Analytical unless otherwise noted in the report. If a sample is found to be inhomogeneous, individual components will be analyzed separately. If individual components cannot be separated, the sample will be homogenized and a single result will be provided. These results only pertain to the samples submitted for this Work Order # and this report shall not be reproduced except in its entirety.

In accordance with EPA guidelines, vermiculite materials should be assumed to contain asbestos even if PLM analysis reports asbestos not detected. All NOB (Non-Friable Organically Bound) materials such as vinyl floor tile, vinyl sheet flooring, glues, and mastics, that test as <1% asbestos, trace asbestos and no asbestos detected, should be further analyzed by TEM (Transmission Electron Microscopy).

Samples submitted for analysis will be retained for three months for future reference.

We certify that the following results are true and accurate to the best of our knowledge. If you have questions or need further assistance, please contact our Customer Service Department.

Approved by:



Asbestos Signatory

R.I. Analytical Laboratories, Inc.**LABORATORY REPORT**

R.I. Analytical Laboratories

Date Received: 2/16/2023

Work Order #: 2302-02867

Site Location: Woonsocket Dept-Multi Use Bldg EAM # 2023022

METHOD: EPA 600/R-93/116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
001	1A Joint compound (JC)(white) on gypsum board (GB)	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
002	1B JC (white) on GB	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
003	1C JC (white) on GB	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
004	1D JC (white) on GB	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
005	1E JC (white) on GB	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
006	1F JC (white) on GB	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG

R.I. Analytical Laboratories, Inc.**LABORATORY REPORT**

R.I. Analytical Laboratories

Date Received: 2/16/2023

Work Order #: 2302-02867

Site Location: Woonsocket Dept-Multi Use Bldg EAM # 2023022

METHOD: EPA 600/R-93/116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
007	1G JC (white) on GB	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
008	1H JC (white) on GB	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
009	1I JC (white) on GB	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
010	2A GB (white) on wood studs	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
011	2B GB (white) on wood studs	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
012	3A Anticondensate coating (beige) on stainless steel sink	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Beige	2/22/2023	KMG

R.I. Analytical Laboratories, Inc.**LABORATORY REPORT**

R.I. Analytical Laboratories

Date Received: 2/16/2023

Work Order #: 2302-02867

Site Location: Woonsocket Dept-Multi Use Bldg EAM # 2023022

METHOD: EPA 600/R-93/116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
013	3B Anticondensate coating (beige) on stainless steel sink	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Beige	2/22/2023	KMG
014	4A Grout (brown) on ceramic wall tile	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Brown	2/22/2023	KMG
015	4B Grout (brown) on ceramic wall tile	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Brown	2/22/2023	KMG
016	4C Grout (brown) on ceramic wall tile	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Beige	2/22/2023	KMG
017	5A Set bed cement (white) u/#4A on JC on GB	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
018	5B Set bed cement (white) u/#4B on JC on GB	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG

R.I. Analytical Laboratories, Inc.**LABORATORY REPORT**

R.I. Analytical Laboratories

Date Received: 2/16/2023

Work Order #: 2302-02867

Site Location: Woonsocket Dept-Multi Use Bldg EAM # 2023022

METHOD: EPA 600/R-93/116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
019	5C Set bed cement (white) u/#4C on JC on GB	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
020	6A Grout (black) on ceramic floor tile(CFT)	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
021	6B Grout (black) on CFT	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Black	2/22/2023	KMG
022	6C Grout (black) on CFT	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Black	2/22/2023	KMG
023	7A Set bed (white) u/CFT on wood	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
024	7B Set bed (white) u/CFT on wood	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG

R.I. Analytical Laboratories, Inc.**LABORATORY REPORT**

R.I. Analytical Laboratories

Date Received: 2/16/2023

Work Order #: 2302-02867

Site Location: Woonsocket Dept-Multi Use Bldg EAM # 2023022

METHOD: EPA 600/R-93/116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
025	7C Set bed (white) w/CFT) on wood	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
026	8A Glue yellow on wood frame	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Yellow	2/22/2023	KMG
027	8B Glue yellow on wood frame	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Yellow	2/22/2023	KMG
028	9A 2x2 suspended ceiling tile (white)	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
029	9B 2x2 suspended ceiling tile (white)	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Glass Fiber	40-60 %	2/22/2023	KMG
		Non-fibrous	40-60 %	2/22/2023	KMG
030	10A Grout (black) on CFT	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Black	2/22/2023	KMG

R.I. Analytical Laboratories, Inc.**LABORATORY REPORT**

R.I. Analytical Laboratories

Date Received: 2/16/2023

Work Order #: 2302-02867

Site Location: Woonsocket Dept-Multi Use Bldg EAM # 2023022

METHOD: EPA 600/R-93/116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
031	10B Grout (black) on CFT	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Black	2/22/2023	KMG
032	10C Grout (black) on CFT	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Black	2/22/2023	KMG
033	11A Set bed (gray) on wood	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Gray	2/22/2023	KMG
034	11B Set bed (gray) on wood	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Gray	2/22/2023	KMG
035	11C Set bed (gray) on wood	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Gray	2/22/2023	KMG
036	12A 12x12 vinyl floor tile (VFT) (white)	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG

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Work Order #: 2302-02867

Site Location: Woonsocket Dept-Multi Use Bldg EAM # 2023022

METHOD: EPA 600/R-93/116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
037	12B 12x12 VFT (white)	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
038	13A Glue (yellow) on wood	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Yellow	2/22/2023	KMG
039	13B Glue (yellow) on wood	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Yellow	2/22/2023	KMG
040	14A Textured skim coat (SC) (white) on JC&GB	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
041	14B Textured skim coat (SC) (white) on JC&GB	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
042	14C Textured skim coat (SC) (white) on JC&GB	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG

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Work Order #: 2302-02867

Site Location: Woonsocket Dept-Multi Use Bldg EAM # 2023022

METHOD: EPA 600/R-93/116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
043	15A Asphalt shingle (white) on wood	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Glass Fiber	5-15 %	2/22/2023	KMG
		Non-fibrous	85-95 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
044	15B Asphalt shingle (white) on wood	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Glass Fiber	5-15 %	2/22/2023	KMG
		Non-fibrous	85-95 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
045	16A Sealer (black) on PVC pipe	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Black	2/22/2023	KMG
046	16B Sealer (black) on PVC pipe	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Black	2/22/2023	KMG
047	16C Sealer (black) on PVC pipe	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Black	2/22/2023	KMG
048	17A Sealer (gray) flashed onto chimney	PLM Fiber Analysis			
		Asbestos	Detected	2/22/2023	KMG
		Chrysotile	5-15 %	2/22/2023	KMG
		Non-fibrous	85-95 %	2/22/2023	KMG
		Sample Color	Black	2/22/2023	KMG

R.I. Analytical Laboratories, Inc.
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R.I. Analytical Laboratories
Date Received: 2/16/2023
Work Order #: 2302-02867
Site Location: Woonsocket Dept-Multi Use Bldg EAM # 2023022

METHOD: EPA 600/R-93/116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
049	17B Sealer (gray) flashed onto chinmey	PLM Fiber Analysis			
	Positive stop to previous sample.				
050	17C Sealer (gray) flashed onto chinmey	PLM Fiber Analysis			
	Positive stop to previous sample.				
051	18A Tar and gravel under rubber membrane (black)	PLM Fiber Analysis			
	Asbestos	Detected		2/22/2023	KMG
	Chrysotile	5-15 %		2/22/2023	KMG
	Non-fibrous	85-95 %		2/22/2023	KMG
	Sample Color	Black		2/22/2023	KMG
052	18B Tar and gravel under rubber membrane (black)	PLM Fiber Analysis			
	Positive stop to previous sample.				
053	18C Tar and gravel under rubber membrane (black)	PLM Fiber Analysis			
	Positive stop to previous sample.				
054	19A Tar paper (black) u/18A	PLM Fiber Analysis			
	Asbestos	Not Detected		2/22/2023	KMG
	Non-fibrous	100 %		2/22/2023	KMG
	Sample Color	Black		2/22/2023	KMG
055	19B Tar paper (black) u/18B	PLM Fiber Analysis			
	Asbestos	Not Detected		2/22/2023	KMG
	Non-fibrous	100 %		2/22/2023	KMG
	Sample Color	Black		2/22/2023	KMG
056	20A Asphalt shingle (red) u/19A	PLM Fiber Analysis			
	Asbestos	Not Detected		2/22/2023	KMG
	Non-fibrous	100 %		2/22/2023	KMG
	Sample Color	Red		2/22/2023	KMG

R.I. Analytical Laboratories, Inc.
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Work Order #: 2302-02867
Site Location: Woonsocket Dept-Multi Use Bldg EAM # 2023022

METHOD: EPA 600/R-93/116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
057	20B Asphalt shingle (red) u/19A	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Red	2/22/2023	KMG
058	21A Tar paper (black) u/20A on wood	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Glass Fiber	1-5 %	2/22/2023	KMG
		Non-fibrous	95-99 %	2/22/2023	KMG
		Sample Color	Black	2/22/2023	KMG
059	21A Tar paper (black) u/20A	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Glass Fiber	1-5 %	2/22/2023	KMG
		Non-fibrous	95-99 %	2/22/2023	KMG
		Sample Color	Black	2/22/2023	KMG
060	22A Mortar (gray) on brick	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Gray	2/22/2023	KMG
061	22B Mortar (gray) on brick	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Gray	2/22/2023	KMG
062	22C Mortar (gray) on brick	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Gray	2/22/2023	KMG

R.I. Analytical Laboratories, Inc.**LABORATORY REPORT**

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Site Location: Woonsocket Dept-Multi Use Bldg EAM # 2023022

METHOD: EPA 600/R-93/116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
063	23A SC (white)	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
064	23B SC (white)	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
065	23C SC (white)	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
066	23D SC (white)	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
067	23E SC (white)	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
068	23F SC (white)	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG

R.I. Analytical Laboratories, Inc.
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METHOD: EPA 600/R-93/116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
069	23G SC (white)	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
070	23H SC (white)	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
071	23I SC (white)	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
072	24A Plaster (gray) u/23A on wood lathe	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Animal Hair	1-5 %	2/22/2023	KMG
		Non-fibrous	95-99 %	2/22/2023	KMG
		Sample Color	Gray	2/22/2023	KMG
073	24B Plaster (gray) u/23B on wood lathe	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Animal Hair	1-5 %	2/22/2023	KMG
		Non-fibrous	95-99 %	2/22/2023	KMG
		Sample Color	Gray	2/22/2023	KMG
074	24C Plaster (gray) u/23C on wood lathe	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Animal Hair	1-5 %	2/22/2023	KMG
		Non-fibrous	95-99 %	2/22/2023	KMG
		Sample Color	Gray	2/22/2023	KMG

R.I. Analytical Laboratories, Inc.**LABORATORY REPORT**

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Work Order #: 2302-02867

Site Location: Woonsocket Dept-Multi Use Bldg EAM # 2023022

METHOD: EPA 600/R-93/116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
075	24D Plaster (gray) u/23D on wood lathe	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Animal Hair	1-5 %	2/22/2023	KMG
		Non-fibrous	95-99 %	2/22/2023	KMG
		Sample Color	Gray	2/22/2023	KMG
076	24E Plaster (gray) u/23E on wood lathe	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Animal Hair	1-5 %	2/22/2023	KMG
		Non-fibrous	95-99 %	2/22/2023	KMG
		Sample Color	Gray	2/22/2023	KMG
077	24F Plaster (gray) u/23F on wood lathe	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Animal Hair	1-5 %	2/22/2023	KMG
		Non-fibrous	95-99 %	2/22/2023	KMG
		Sample Color	Gray	2/22/2023	KMG
078	24G Plaster (gray) u/23G on wood lathe	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Animal Hair	1-5 %	2/22/2023	KMG
		Non-fibrous	95-99 %	2/22/2023	KMG
		Sample Color	Gray	2/22/2023	KMG
079	24H Plaster (gray) u/23H on wood lathe	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Animal Hair	1-5 %	2/22/2023	KMG
		Non-fibrous	95-99 %	2/22/2023	KMG
		Sample Color	Gray	2/22/2023	KMG

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METHOD: EPA 600/R-93/116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
080	24I Plaster (gray) u/23I on wood lathe	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Animal Hair	1-5 %	2/22/2023	KMG
		Non-fibrous	95-99 %	2/22/2023	KMG
		Sample Color	Gray	2/22/2023	KMG
081	25A 1'x1' spline tile (tan) on wood strip	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Tan	2/22/2023	KMG
082	25B 1'x1' spline tile (tan) on wood strip	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Tan	2/22/2023	KMG
083	26A 1'x1' spline tile (white) on wood strip	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
084	26B 1'x1' spline tile (white) on wood strip	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
085	27A Grout (gray) on CFT	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Gray	2/22/2023	KMG

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METHOD: EPA 600/R-93/116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
086	27B Grout (gray) on CFT	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Gray	2/22/2023	KMG
087	27C Grout (gray) on CFT	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Gray	2/22/2023	KMG
088	28A Set bed (white) u/CFT on wood	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
089	28B Set bed (white) u/CFT on wood	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
090	28C Set bed (white) u/CFT on wood	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
091	29A 12x12 vinyl wall tile (brown)	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Brown	2/22/2023	KMG

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METHOD: EPA 600/R-93/116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
092	29B 12x12 vinyl wall tile (brown)	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Brown	2/22/2023	KMG
093	30A Glue daubs (gray) u/29A on wood paneling	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Gray	2/22/2023	KMG
094	30B Glue daubs (gray) u/29B on wood paneling	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Gray	2/22/2023	KMG
095	31A Linoleum sheet (green) beneath build up wood floor	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Green	2/22/2023	KMG
096	31B Linoleum sheet (green) beneath build up wood floor	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Green	2/22/2023	KMG
097	32A Linoleum sheet (Brown) u/31A on wood	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Brown	2/22/2023	KMG

R.I. Analytical Laboratories, Inc.**LABORATORY REPORT**

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Site Location: Woonsocket Dept-Multi Use Bldg EAM # 2023022

METHOD: EPA 600/R-93/116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
098	32B Linoleum sheet (Brown) u/31B on wood	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Brown	2/22/2023	KMG
099	33A Floor leveler (beige) under carpet	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Beige	2/22/2023	KMG
100	33B Floor leveler (beige) under carpet	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Beige	2/22/2023	KMG
101	34A Glue (yellow) u/carpet	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Yellow	2/22/2023	KMG
102	34B Glue (yellow) u/carpet	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Yellow	2/22/2023	KMG
103	35A VFT (pink) u/34A	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Pink	2/22/2023	KMG

R.I. Analytical Laboratories, Inc.
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Date Received: 2/16/2023
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Site Location: Woonsocket Dept-Multi Use Bldg EAM # 2023022

METHOD: EPA 600/R-93/116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
104	35B VFT (pink) u/34A	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Pink	2/22/2023	KMG
105	36A Glue (yellow) u/35A	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Yellow	2/22/2023	KMG
106	36B Glue (yellow) u/35B	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Yellow	2/22/2023	KMG
107	37A Vinyl flooring material(tan) on wood	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Tan	2/22/2023	KMG
108	37B Vinyl flooring material(tan) on wood	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Tan	2/22/2023	KMG
109	38A VFT (Blue)	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Blue	2/22/2023	KMG

R.I. Analytical Laboratories, Inc.

LABORATORY REPORT

R.I. Analytical Laboratories

Date Received: 2/16/2023

Work Order #: 2302-02867

Site Location: Woonsocket Dept-Multi Use Bldg EAM # 2023022

METHOD: EPA 600/R-93/116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
110	38B VFT (Blue)	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Blue	2/22/2023	KMG
111	39A Glue (yellow) u/38A	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Yellow	2/22/2023	KMG
112	39B Glue (yellow) u/38B	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Yellow	2/22/2023	KMG
113	40A VFT(gray)	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Gray	2/22/2023	KMG
114	40B VFT(gray)	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Gray	2/22/2023	KMG
115	41A Glue (yellow) u/40A	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Yellow	2/22/2023	KMG

R.I. Analytical Laboratories, Inc.

LABORATORY REPORT

R.I. Analytical Laboratories

Date Received: 2/16/2023

Work Order #: 2302-02867

Site Location: Woonsocket Dept-Multi Use Bldg EAM # 2023022

METHOD: EPA 600/R-93/116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
116	41B Glue (yellow) u/40B	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Yellow	2/22/2023	KMG
117	42A Linoleum sheet (brown) beneath build up wood floor	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Yellow	2/22/2023	KMG
118	43A Cellulose material (gray) u/42A on wood	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Glass Fiber	5-15 %	2/22/2023	KMG
		Non-fibrous	85-95 %	2/22/2023	KMG
		Sample Color	Gray	2/22/2023	KMG
119	44A Glue (yellow) on JC and GB u/plastic tiles	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Yellow	2/22/2023	KMG
120	44B Glue (yellow) on JC and GB u/plastic tiles	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Yellow	2/22/2023	KMG
121	45A 2x4 SAT (white)	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Glass Fiber	5-15 %	2/22/2023	KMG
		Non-fibrous	85-95 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG

R.I. Analytical Laboratories, Inc.**LABORATORY REPORT**

R.I. Analytical Laboratories

Date Received: 2/16/2023

Work Order #: 2302-02867

Site Location: Woonsocket Dept-Multi Use Bldg EAM # 2023022

METHOD: EPA 600/R-93/116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
122	45B 2x4 SAT (white)	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Glass Fiber	5-15 %	2/22/2023	KMG
		Non-fibrous	85-95 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
123	46A Grout (white) on CWT	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
124	46B Grout (white) on CWT	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
125	46C Grout (white) on CWT	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
126	47A Glue (yellow) u/CWT	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Yellow	2/22/2023	KMG
127	47B Glue (yellow) u/CWT	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Yellow	2/22/2023	KMG

R.I. Analytical Laboratories, Inc.**LABORATORY REPORT**

R.I. Analytical Laboratories

Date Received: 2/16/2023

Work Order #: 2302-02867

Site Location: Woonsocket Dept-Multi Use Bldg EAM # 2023022

METHOD: EPA 600/R-93/116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
128	48A Glue (tan) u/47A	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Tan	2/22/2023	KMG
129	48B Glue (tan) u/47B	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Tan	2/22/2023	KMG
130	49A Linoleum sheet (white)	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
131	49B Linoleum sheet (white)	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	White	2/22/2023	KMG
132	50A Tar paper (black) u/vinyl siding u/wood shingle on wood	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Black	2/22/2023	KMG
133	50B Tar paper (black) u/vinyl siding u/wood shingle on wood	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Black	2/22/2023	KMG

R.I. Analytical Laboratories, Inc.**LABORATORY REPORT**

R.I. Analytical Laboratories

Date Received: 2/16/2023

Work Order #: 2302-02867

Site Location: Woonsocket Dept-Multi Use Bldg EAM # 2023022

METHOD: EPA 600/R-93/116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
134	51A 12x12 VFT (black)	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Black	2/22/2023	KMG
135	51B 12x12 VFT (black)	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Black	2/22/2023	KMG
136	52A 12x12 VFT (multi-colored) u/51A	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Multicolor	2/22/2023	KMG
137	52B 12x12 VFT (multi-colored) u/51B	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Multicolor	2/22/2023	KMG
138	53A Adhesive (brown) u/52 on wood	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Brown	2/22/2023	KMG
139	53B Adhesive (brown) u/5B on wood	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Brown	2/22/2023	KMG

R.I. Analytical Laboratories, Inc.
LABORATORY REPORT

R.I. Analytical Laboratories
Date Received: 2/16/2023
Work Order #: 2302-02867
Site Location: Woonsocket Dept-Multi Use Bldg EAM # 2023022

METHOD: EPA 600/R-93/116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
140	54A Stucco (gray) on stone foundation	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Gray	2/22/2023	KMG
141	54B Stucco (gray) on stone foundation	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Gray	2/22/2023	KMG
142	54C Stucco (gray) on stone foundation	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Gray	2/22/2023	KMG
143	55A Window glazing (black) on metal	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Black	2/22/2023	KMG
144	55B Window glazing (black) on metal	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Black	2/22/2023	KMG
145	56A Window glazing (gray) on glass and wood	PLM Fiber Analysis			
		Asbestos	Detected	2/22/2023	KMG
		Chrysotile	1-5 %	2/22/2023	KMG
		Non-fibrous	95-99 %	2/22/2023	KMG
		Sample Color	Gray	2/22/2023	KMG
146	56B Window glazing (gray) on glass and wood	PLM Fiber Analysis			

Positive stop to previous sample.

R.I. Analytical Laboratories, Inc.**LABORATORY REPORT**

R.I. Analytical Laboratories

Date Received: 2/16/2023

Work Order #: 2302-02867

Site Location: Woonsocket Dept-Multi Use Bldg EAM # 2023022

METHOD: EPA 600/R-93/116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
147	57A Window caulking (gray) on glass and wood	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Gray	2/22/2023	KMG
148	57B Window caulking (gray) on glass and wood	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Gray	2/22/2023	KMG
149	58A Vibration cloth (black) on metal	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Black	2/22/2023	KMG
150	58B Vibration cloth (black) on metal	PLM Fiber Analysis			
		Asbestos	Not Detected	2/22/2023	KMG
		Non-fibrous	100 %	2/22/2023	KMG
		Sample Color	Black	2/22/2023	KMG



R.I. ANALYTICAL
41 Illinois Avenue - Warwick, RI 02888
P: (401) 737-8500 F: (401) 732-8034

SAMPLE DATA SHEET & CHAIN OF CUSTODY

Project: Woonsocket Dept-Multi-Use Building		Client PO #:	
Address: 40-56 Arnold St, Woonsocket, RI 02895		RI Analytical EAM Project #: 2023022	
Area: Multi-Use Residential/Commercial Building		RI Analytical Work Order #: 2302-02867	
Sampled By: Danny Mullen	License # AI00963	Inspection date: 2/15/2023	Page 1 of 8

Line	Sample #	Description	Location	Notes
1	1A	Joint compound (JC) (white) on gypsum board (GB)	Apt #3 – kitchen ceiling	
2	1B	JC (white) on GB	Apt #3 – kitchen wall	
3	1C	JC (white) on GB	Apt #4 – kitchen wall	
4	1D	JC (white) on GB	Apt #4 – kitchen ceiling	
5	1E	JC (white) on GB	Apt #2 – kitchen ceiling	
6	1F	JC (white) on GB	Apt #2 – stairwell wall	
7	1G	JC (white) on GB	Apt #1 – bathroom wall	
8	1H	JC (white) on GB	Apt #1 – bathroom ceiling	
9	1I	JC (white) on GB	Church – upper-level wall	
10	2A	GB (white) on wood studs	Apt #3 – kitchen ceiling	
11	2B	GB (white) on wood studs	Apt #4 – kitchen ceiling	
12	3A	Anti-condensate coating (beige) on stainless steel sink	Apt #3 – kitchen sink	
13	3B	Anti-condensate coating (beige) on stainless steel sink	Apt #4 – kitchen sink	
14	4A	Grout (brown) on ceramic wall tile (CWT)	Apt #3 – kitchen wall (back splash)	
15	4B	Grout (brown) on CWT	Apt #3 – kitchen wall (back splash)	
16	4C	Grout (brown) on CWT	Apt #3 – kitchen wall (back splash)	
17	5A	Set bed cement (white) u/#4A on JC on GB	Apt #3 – kitchen wall (back splash)	
18	5B	Set bed cement (white) u/#4B on JC on GB	Apt #3 – kitchen wall (back splash)	
19	5C	Set bed cement (white) u/#4C on JC on GB	Apt #3 – kitchen wall (back splash)	

COMMENTS: Email report to: Name: Danny Mullen; Email to: dmullen & jjencks & kdavis & rgray @rianalytical.com
A. (1) Analysis = ☒ PLM, Asbestos (EPA 600/R-93/116); ☒ PLM NOB as needed; ☐ 400 point count if friable and <10% ASB; ☐ TEM NOB
(2) TAT = 5 Day; (3) No. samples submitted = 150; (4) ☒ Y or ☐ N - Positive stop by Homogeneous # shown.

Notes:

RELINQUISHED BY: (SIGNATURE) <u>Danny R. Mullen</u>	DATE/TIME 2/16/23 10:34	RECEIVED BY: (SIGNATURE) <u>[Signature]</u>	DATE/TIME 2.16.23
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	DATE/TIME



R.I. ANALYTICAL
41 Illinois Avenue - Warwick, RI 02888
P: (401) 737-8500 F: (401) 732-8034

SAMPLE DATA SHEET & CHAIN OF CUSTODY

Project: Woonsocket Dept-Multi-Use Building			Client PO #:		
Address: 40-56 Arnold St, Woonsocket, RI 02895			RI Analytical EAM Project #: 2023022		
Area: Multi-Use Residential/Commercial Building			RI Analytical Work Order #: 2302-02867		
Sampled By:	Danny Mullen	License #	AI00963	Inspection date: 2/15/2023	Page 2 of 8

Line	Sample #	Description	Location	Notes
20	6A	Grout (black) on ceramic floor tile (CFT)	Apt #3 – kitchen floor	
21	6B	Grout (black) on CFT	Apt #3 – kitchen floor	
22	6C	Grout (black) on CFT	Apt #3 – kitchen floor	
23	7A	Set bed (white) u/CFT on wood	Apt #3 – kitchen floor	
24	7B	Set bed (white) u/CFT on wood	Apt #3 – kitchen floor	
25	7C	Set bed (white) u/CFT on wood	Apt #3 – kitchen floor	
26	8A	Glue (yellow) on wood frame	Apt #3 – living room window	
27	8B	Glue (yellow) on wood frame	Apt #3 – living room window	
28	9A	2'x2' suspended acoustic tile (SAT) (white)	Apt #3 – bathroom ceiling	
29	9B	2'x2' SAT (white)	Apt #3 – bathroom ceiling	
30	10A	Grout (black) on CFT	Apt #3 – bathroom floor	
31	10B	Grout (black) on CFT	Apt #3 – bathroom floor	
32	10C	Grout (black) on CFT	Apt #3 – bathroom floor	
33	11A	Set bed (gray) on wood	Apt #3 – bathroom floor	
34	11B	Set bed (gray) on wood	Apt #3 – bathroom floor	
35	11C	Set bed (gray) on wood	Apt #3 – bathroom floor	
36	12A	12"x12" vinyl floor tile (VFT) (white)	Apt #4 – kitchen floor	
37	12B	12"x12" VFT (white)	Apt #4 – kitchen floor	
38	13A	Glue (yellow) on wood	Apt #4 – kitchen floor	

COMMENTS: Email report to: Name: Danny Mullen; Email to: dmullen & jjencks & kdavis & rgray @rianalytical.com
A. (1) Analysis = ☒ PLM, Asbestos (EPA 600/R-93/116); ☒ PLM NOB as needed; ☐ 400 point count if friable and <10% ASB; ☐ TEM NOB
(2) TAT = 5 Day; (3) No. samples submitted = 150; (4) ☒ Y or ☐ N - Positive stop by Homogeneous # shown.

Notes:

RELINQUISHED BY: (SIGNATURE) <u>Danny R. Mullen</u>	DATE/TIME 2/16/23 10:34	RECEIVED BY: (SIGNATURE) <u>[Signature]</u>	DATE/TIME 2/16/23
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	DATE/TIME



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SAMPLE DATA SHEET & CHAIN OF CUSTODY

Project: Woonsocket Dept-Multi-Use Building			Client PO #:		
Address: 40-56 Arnold St, Woonsocket, RI 02895			RI Analytical EAM Project #: 2023022		
Area: Multi-Use Residential/Commercial Building			RI Analytical Work Order #: 2302-2867		
Sampled By:	Danny Mullen	License #	AI00963	Inspection date: 2/15/2023	Page 3 of 8

Line	Sample #	Description	Location	Notes
39	13B	Glue (yellow) on wood	Apt #4 – kitchen floor	
40	14A	Textured skim coat (SC) (white) on JC & GB	Apt #2 – kitchen ceiling	
41	14B	Textured skim coat (SC) (white) on JC & GB	Apt #2 – living room ceiling	
42	14C	Textured skim coat (SC) (white) on JC & GB	Apt #2 – bedroom ceiling	
43	15A	Asphalt shingle (white) on wood	North roof – field	
44	15B	Asphalt shingle (white) on wood	North roof – field	
45	16A	Sealer (black) on PVC pipe	North roof – pipe penetration	
46	16B	Sealer (black) on PVC pipe	North roof – pipe penetration	
47	16C	Sealer (black) on PVC pipe	North roof – pipe penetration	
48	17A	Sealer (gray) flashed onto chimney	Center flat roof – chimney	
49	17B	Sealer (gray) flashed onto chimney	Center flat roof – chimney	
50	17C	Sealer (gray) flashed onto chimney	Center flat roof – chimney	
51	18A	Tar and gravel (black) u/rubber membrane (black)	Center flat roof – field	
52	18B	Tar and gravel (black) u/rubber membrane (black)	Center flat roof – field	
53	18C	Tar and gravel (black) u/rubber membrane (black)	Center flat roof – field	
54	19A	Tar paper (black) u/#18A	Center flat roof – field	
55	19B	Tar paper (black) u/#18B	Center flat roof – field	
56	20A	Asphalt shingle (red) u/#19A	Center flat roof – field	
57	20B	Asphalt shingle (red) u/#19B	Center flat roof – field	

COMMENTS: Email report to: Name: Danny Mullen; Email to: dmullen & jjencks & kdavis & rgray @rianalytical.com

A. (1) Analysis = ☒ PLM, Asbestos (EPA 600/R-93/116); ☒ PLM NOB as needed; ☐ 400 point count if friable and <10% ASB; ☐ TEM NOB
(2) TAT = 5 Day; (3) No. samples submitted = 150; (4) ☒ Y or ☐ N - Positive stop by Homogeneous # shown.

Notes:

RELINQUISHED BY: (SIGNATURE)	DATE/TIME 2/16/23 10:34	RECEIVED BY: (SIGNATURE)	DATE/TIME 2/16/23
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SAMPLE DATA SHEET & CHAIN OF CUSTODY

Project: Woonsocket Dept-Multi-Use Building		Client PO #:	
Address: 40-56 Arnold St, Woonsocket, RI 02895		RI Analytical EAM Project #: 2023022	
Area: Multi-Use Residential/Commercial Building		RI Analytical Work Order #: 2302-02857	
Sampled By: Danny Mullen	License # AI00963	Inspection date: 2/15/2023	Page 4 of 8

Line	Sample #	Description	Location	Notes
58	21A	Tar paper (black) u/#20A on wood	Center flat roof – field	
59	21B	Tar paper (black) u/#20B on wood	Center flat roof – field	
60	22A	Mortar (gray) on brick	Center flat roof – chimney	
61	22B	Mortar (gray) on brick	Center flat roof – chimney	
62	22C	Mortar (gray) on brick	Center flat roof – chimney	
63	23A	SC (white)	Apt #3 – kitchen ceiling	
64	23B	SC (white)	Apt #3 – kitchen wall	
65	23C	SC (white)	Apt #4 – kitchen wall	
66	23D	SC (white)	Apt #4 – kitchen ceiling	
67	23E	SC (white)	Apt #2 – kitchen ceiling	
68	23F	SC (white)	Apt #2 – stairwell wall	
69	23G	SC (white)	Apt #1 – bathroom wall	
70	23H	SC (white)	Apt #1 – bathroom ceiling	
71	23I	SC (white)	Church – upper-level wall	
72	24A	Plaster (gray) u/#23A on wood lathe	Apt #3 – kitchen ceiling	
73	24B	Plaster (gray) u/#23B on wood lathe	Apt #3 – kitchen wall	
74	24C	Plaster (gray) u/#23C on wood lathe	Apt #4 – kitchen wall	
75	24D	Plaster (gray) u/#23D on wood lathe	Apt #4 – kitchen ceiling	
76	24E	Plaster (gray) u/#23E on wood lathe	Apt #2 – kitchen ceiling	

COMMENTS: Email report to: Name: Danny Mullen ; Email to: dmullen & jjencks & kdavis & rgray @rianalytical.com

A. (1) Analysis = ☒ PLM, Asbestos (EPA 600/R-93/116); ☒ PLM NOB as needed; ☐ 400 point count if friable and <10% ASB; ☐ TEM NOB

(2) TAT = 5 Day ; (3) No. samples submitted = 150 ; (4) ☒ Y or ☐ N - Positive stop by Homogeneous # shown.

Notes:

RELINQUISHED BY: (SIGNATURE) <u>Danny R. Mullen</u>	DATE/TIME 2/16/23 10:34	RECEIVED BY: (SIGNATURE) <u>[Signature]</u>	DATE/TIME 2/16/23
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P: (401) 737-8500 F: (401) 732-8034

SAMPLE DATA SHEET & CHAIN OF CUSTODY

Project: Woonsocket Dept-Multi-Use Building			Client PO #:		
Address: 40-56 Arnold St, Woonsocket, RI 02895			RI Analytical EAM Project #:		2023022
Area: Multi-Use Residential/Commercial Building			RI Analytical Work Order #:		2302-2867
Sampled By:	Danny Mullen	License #	AI00963	Inspection date:	2/15/2023

Page 5 of 8

Line	Sample #	Description	Location	Notes
77	24F	Plaster (gray) u/#23F on wood lathe	Apt #2 – stairwell wall	
78	24G	Plaster (gray) u/#23G on wood lathe	Apt #1 – bathroom wall	
79	24H	Plaster (gray) u/#23H on wood lathe	Apt #1 – bathroom ceiling	
80	24I	Plaster (gray) u/#23I on wood lathe	Church – upper-level wall	
81	25A	1'x1' spline tile (tan) on wood strip	Apt #1 – kitchen ceiling	
82	25B	1'x1' spline tile (tan) on wood strip	Apt #1 – living room ceiling	
83	26A	1'x1' spline tile (white) on wood strip	Apt #1 – kitchen ceiling	
84	26B	1'x1' spline tile (white) on wood strip	Apt #1 – living room ceiling	
85	27A	Grout (gray) on CFT	Apt #1 – bathroom floor	
86	27B	Grout (gray) on CFT	Apt #1 – bathroom floor	
87	27C	Grout (gray) on CFT	Apt #1 – bathroom floor	
88	28A	Set bed (white) u/CFT on wood	Apt #1 – bathroom floor	
89	28B	Set bed (white) u/CFT on wood	Apt #1 – bathroom floor	
90	28C	Set bed (white) u/CFT on wood	Apt #1 – bathroom floor	
91	29A	12"x12" vinyl wall tile (VWT) (brown)	Apt #1 – kitchen wall	
92	29B	12"x12" vinyl wall tile (VWT) (brown)	Apt #1 – kitchen wall	
93	30A	Glue daubs (gray) u/#29A on wood paneling	Apt #1 – kitchen wall	
94	30B	Glue daubs (gray) u/#29B on wood paneling	Apt #1 – kitchen wall	
95	31A	Linoleum sheet (green) beneath build up wood floor	Apt #1 – blue room floor	

COMMENTS: Email report to: Name: Danny Mullen ; Email to: dmullen & jjencks & kdavis & rgray @rianalytical.com

A. (1) Analysis = ☒ PLM, Asbestos (EPA 600/R-93/116); ☒ PLM NOB as needed; ☐ 400 point count if friable and <10% ASB; ☐ TEM NOB

(2) TAT = 5 Day ; (3) No. samples submitted = 150 ; (4) ☒ Y or ☐ N - Positive stop by Homogeneous # shown.

Notes:

RELINQUISHED BY: (SIGNATURE)	<i>Danny R. Mullen</i>	DATE/TIME 2/16/23 10:34	RECEIVED BY: (SIGNATURE)	<i>[Signature]</i>	DATE/TIME 2/16/23
RELINQUISHED BY: (SIGNATURE)		DATE/TIME	RECEIVED BY: (SIGNATURE)		DATE/TIME



R.I. ANALYTICAL
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**SAMPLE DATA SHEET
&
CHAIN OF CUSTODY**

Project: Woonsocket Dept-Multi-Use Building		Client PO #:	
Address: 40-56 Arnold St, Woonsocket, RI 02895		RI Analytical EAM Project #:	2023022
Area: Multi-Use Residential/Commercial Building		RI Analytical Work Order #:	2362-2867
Sampled By: Danny Mullen	License # AI00963	Inspection date: 2/15/2023	Page 6 of 8

Line	Sample #	Description	Location	Notes
96	31B	Linoleum sheet (green) beneath build up wood floor	Apt #1 – blue room floor	
97	32A	Linoleum sheet (brown) u/#31A on wood	Apt #1 – blue room floor	
98	32B	Linoleum sheet (brown) u/#31B on wood	Apt #1 – blue room floor	
99	33A	Floor leveler (beige) u/ carpet	Church upper level - floor	
100	33B	Floor leveler (beige) u/ carpet	Church upper level - floor	
101	34A	Glue (yellow) u/carpet	Church upper level - floor	
102	34B	Glue (yellow) u/carpet	Church upper level - floor	
103	35A	VFT (pink) u/#34A	Church upper level - floor	
104	35B	VFT (pink) u/#34B	Church upper level - floor	
105	36A	Glue (yellow) u/#35A	Church upper level - floor	
106	36B	Glue (yellow) u/#35B	Church upper level - floor	
107	37A	Vinyl flooring material (tan) w/ on wood	Church upper level - floor	
108	37B	Vinyl flooring material (tan) on wood	Church upper level - floor	
109	38A	VFT (blue)	Church upper level - floor	
110	38B	VFT (blue)	Church upper level - floor	
111	39A	Glue (yellow) u/#38A	Church upper level - floor	
112	39B	Glue (yellow) u/#38B	Church upper level - floor	
113	40A	VFT (gray)	Church lower level - floor	
114	40B	VFT (gray)	Church lower level - floor	

COMMENTS: Email report to: Name: Danny Mullen; Email to: dmullen & jjencks & kdavis & rgray @rianalytical.com
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**SAMPLE DATA SHEET
&
CHAIN OF CUSTODY**

Project: Woonsocket Dept-Multi-Use Building		Client PO #:	
Address: 40-56 Arnold St, Woonsocket, RI 02895		RI Analytical EAM Project #:	2023022
Area: Multi-Use Residential/Commercial Building		RI Analytical Work Order #:	2302-2867
Sampled By: Danny Mullen	License # AI00963	Inspection date: 2/15/2023	Page 7 of 8

Line	Sample #	Description	Location	Notes
115	41A	Glue (yellow) u/#40A	Church lower level - floor	
116	41B	Glue (yellow) u/#40B	Church lower level - floor	
117	42A	Linoleum sheet (brown) beneath build up wood floor	Church lower level - floor	
118	43A	Cellulose material (gray) u/#42A on wood	Church lower level - floor	
119	44A	Glue (yellow) on JC and GB u/plastic tiles	Church upper bathroom - wall	
120	44B	Glue (yellow) on JC and GB u/plastic tiles	Church upper bathroom - wall	
121	45A	2'x4' SAT (white)	Church upper level -ceiling	
122	45B	2'x4' SAT (white)	Church upper level -ceiling	
123	46A	Grout (white) on CWT	Church upper bathroom - wall	
124	46B	Grout (white) on CWT	Church upper bathroom - wall	
125	46C	Grout (white) on CWT	Church upper bathroom - wall	
126	47A	Glue (yellow) u/CWT	Church upper bathroom - wall	
127	47B	Glue (yellow) u/CWT	Church upper bathroom - wall	
128	48A	Glue (tan) u/#47A	Church upper bathroom - wall	
129	48B	Glue (tan) u/#47B	Church upper bathroom - wall	
130	49A	Linoleum sheet (white)	Church upper bathroom - floor	
131	49B	Linoleum sheet (white)	Church upper bathroom - floor	
132	50A	Tar paper (black) u/vinyl siding u/wood shingle on wood	East exterior wall	
133	50B	Tar paper (black) u/vinyl siding u/wood shingle on wood	North exterior wall	

COMMENTS: Email report to: Name: Danny Mullen; Email to: dmullen & jjencks & kdavis & rgray @rianalytical.com
A. (1) Analysis = ☒ PLM, Asbestos (EPA 600/R-93/116); ☒ PLM NOB as needed; ☐ 400 point count if friable and <10% ASB; ☐ TEM NOB
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**SAMPLE DATA SHEET
&
CHAIN OF CUSTODY**

Project: Woonsocket Dept-Multi-Use Building			Client PO #:	
Address: 40-56 Arnold St, Woonsocket, RI 02895			RI Analytical EAM Project #: 2023022	
Area: Multi-Use Residential/Commercial Building			RI Analytical Work Order #: 2302-2867	
Sampled By: Danny Mullen	License # AI00963	Inspection date: 2/15/2023	Page 8 of 8	

Line	Sample #	Description	Location	Notes
134	51A	12"x12" VFT (black)	Store space – south floor	
135	51B	12"x12" VFT (black)	Store space – east floor	
136	52A	12"x12" VFT (multi-colored) u/#51A	Store space – south floor	
137	52B	12"x12" VFT (multi-colored) u/#51B	Store space – east floor	
138	53A	Adhesive (brown) u/#52A on wood	Store space – south floor	
139	53B	Adhesive (brown) u/#52B on wood	Store space – east floor	
140	54A	Stucco (gray) on stone foundation	East exterior foundation	
141	54B	Stucco (gray) on stone foundation	North exterior foundation	
142	54C	Stucco (gray) on stone foundation	West exterior foundation	
143	55A	Window glazing (black) on metal	Church front window system	
144	55B	Window glazing (black) on metal	Church front window system	
145	56A	Window glazing (gray) on glass and wood	Store space front interior window	
146	56B	Window glazing (gray) on glass and wood	Store space front interior window	
147	57A	Window caulking (gray) on glass and wood	Store space front exterior window	
148	57B	Window caulking (gray) on glass and wood	Store space front exterior window	
149	58A	Vibration cloth (black) on metal	Store space basement AHU	
150	58B	Vibration cloth (black) on metal	Store space basement AHU	
151				
152				

COMMENTS: Email report to: Name: Danny Mullen; Email to: dmullen & jjencks & kdavis & rgray @rianalytical.com
A. (1) Analysis = ☒ PLM, Asbestos (EPA 600/R-93/116); ☒ PLM NOB as needed; ☐ 400 point count if friable and <10% ASB; ☐ TEM NOB
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ATTACHMENT #4

ASB-16A – 4A

Interim Operations & Maintenance Plan

The owner, contractors and personnel associated with the building are aware of the presence and location of the ACM (Asbestos Containing Materials) and ACWM within the above stated areas. They have been instructed not to disturb the material due to the potential health hazards if fibers become airborne.

1. Notification

All personnel, including any contractors, entering the building and/or premises to perform work, shall be notified of the presence and location of ACM and ACWM and cautioned regarding disturbance of the material(s). If an emergency fiber release occurs, the following procedures shall be initiated.

2. Fiber Release Episodes

A. Minor Release Episode

If a minor fiber release episode occurs (release of less than 10 linear feet or 25 square feet of material), trained maintenance staff or an asbestos abatement contractor may perform the cleaning. Access to the area shall be restricted during clean up. All debris shall be thoroughly wetted using amended water and placed in labeled, double six-mil polyethylene bags. The area shall then be cleaned using HEPA filtered vacuums and/or wet cleaning methods. Damaged material must be cleaned and repaired with non-asbestos-containing material. The area shall then be evaluated to decide if further action is necessary.

B. Major Release Episode

If a major fiber release episode occurs (falling or dislodging of more than 10 linear feet or 25 square feet of ACM), the cleaning must be carried out and directed by persons accredited to conduct and design response actions. After such an episode, the area shall be immediately restricted and entry to the area prevented. Warning signs shall be posted to caution people other than those qualified to deal with the problem. Air handling units in the area shall be shut down to prevent the spread of fibers beyond the problem area. A response action shall be designed and carried out by qualified personnel.

3. Training

Any employee who, because of their work, may disturb material containing asbestos, shall be trained and certified as a Competent Person as described by the R.I. Rules and Regulations for Asbestos Control. The program coordinator shall ensure that the procedures described above to protect the personnel shall be followed for any operations and maintenance activities disturbing or involving ACM.

The Owner has secured the building. Access will continue to be restricted and checked periodically until the abatement and demolition are completed. After asbestos abatement has been completed, the asbestos the abatement contractor will secure the building, with plywood sheets screwed over windows and doors as directed by the owner and post ASBESTOS warning signage on every outside door and window opening in accordance with all applicable OSHA regulations, including OSHA 29 CFR 1926.1101, §1910.1001(j)(4)(ii) requirements summarized below.

DANGER
ASBESTOS
MAY CAUSE CANCER
CAUSES DAMAGE TO LUNGS
AUTHORIZED PERSONNEL ONLY
WEAR RESPIRATORY PROTECTION AND PROTECTIVE CLOTHING IN THIS AREA

Example below (not necessarily OSHA compliant).



Demolition will commence after abatement has been completed and passed visual post-abatement inspection by RI Analytical staff.

ATTACHMENT #5

Scope of Work / Description of Waivers

The following waivers are being applied for in association with this work:

1. A waiver for no clearance air sampling for demolition [216-RICR-50-15-1 §1.14.6 D 3.].

A waiver of background/pre-abatement and clearance air sampling is being requested as the asbestos abatement is being conducted for demolition purposes. For demolition projects where post abatement air clearance sampling has been waived by RIDOH, the asbestos abatement contractor shall secure the building during abatement and after completion of abatement so that no unauthorized or unprotected persons can enter the building. After successful post-abatement visual inspection by RI Analytical, the abatement contractor shall remove all abatement equipment and plastic, secure the building to prevent unauthorized entry (including screw-installation of 3/4" plywood over 1st floor doors and windows if requested by Owner) and post OSHA-compliant asbestos danger signage on the exterior doors and windows of the 1st floor and building access areas.

For roof work, the asbestos abatement contractor shall collect OSHA compliance worker breathing zone air samples in lieu of clearance air samples to meet the requirements of OSHA Asbestos Construction Standard 29CFR1926.1101 §(f)(5) and 216-RICR-50-15-1 §1.13 and submit the laboratory analytical reports with the RIDOH abatement plan approval number to the Owner and RIDOH with 1 week of collection of the air samples.

Scope of Work:

Removal of the ACM identified in Table 2 above.

To summarize, abatement at the above-referenced Site will include the following. The plan has been prepared based on information provided to RI Analytical by City of Woonsocket, Department of Planning and Development. The work will be completed using demolition procedures [216-RICR-50-15-1 §1.14.6] from the outside of the building exterior 6-mil polyethylene sheet draped over the windows and on the walls and ground to contain dust. Install fiberglass reinforced, double 6-mil polyethylene sheet critical barriers over the interior side of the window openings (which also have a storm screen barrier on the inside of the windows as an additional barrier layer to remain in place during the work). Building interior in-process PCM air sampling may be completed by RI Analytical during the work. Refer to drawing #AA.07.

All work will be conducted using applicable 1.14 work procedures noted in ASB-16A(4)(B) or as described herein.

All applicable OSHA, federal, state, and local asbestos, safety, and other regulations shall be followed.

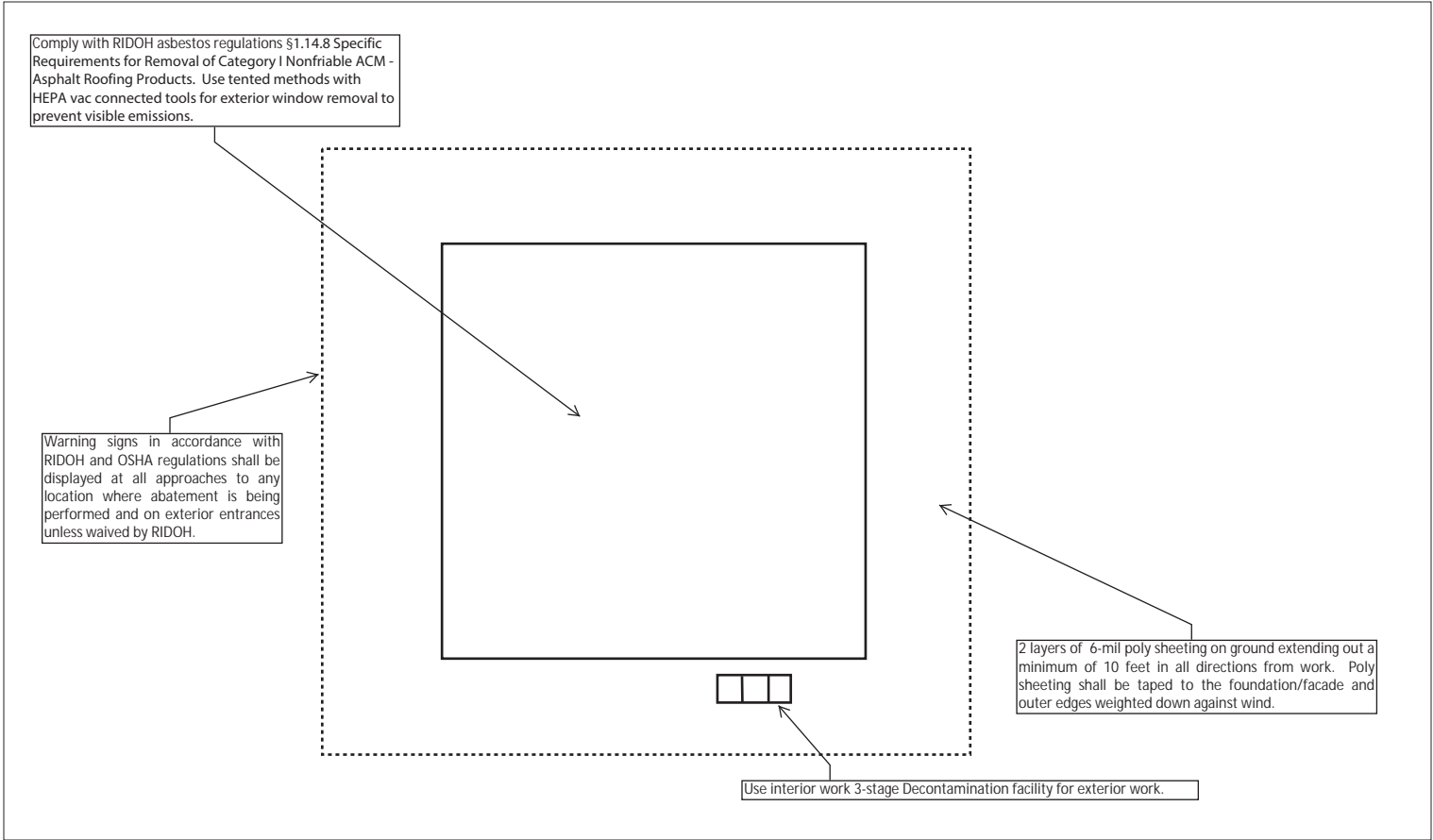
It is the contractor's responsibility to verify quantities of all identified asbestos-containing materials and locations and site conditions.

ATTACHMENT #6

Drawings

Not to scale. Typical ACM setups - setups are not shown at all locations. Actual setup configuration will be determined by the Contractor based on site conditions, access restrictions and Owner's requirements. Refer to contract documents including drawings for renovation/demolition areas as well as details and dimensions.

There is potential for hidden ACM.



COMPANY
RI Analytical Laboratories, Inc.
15 Lark Industry Drive
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Tel: 401.737.8500

CLIENT
Redevelopment Agency of Woonsocket
c/o Department of Planning and Development
City of Woonsocket
P.O. Box B, 169 Main Street Woonsocket, RI 02895

PROJECT
Asbestos Abatement Plan-Demolition
Multi-Use Building
Site: 40-56 Arnold Street, Woonsocket, RI 02895

PROJECT # 2023022
DRAWN BY KD
ISSUE DATE 3/1/2023

Typical Exterior
Abatement Set-Up **AA.07**



ACM Window glazing (gray)



ACM Tar and gravel (black) Flat Roof



ACM sealer (gray) on brick chimney and roof ACM materials under visible new rubber and iso-board materials. Roof drain visible. Remove all perimeter metal flashing to access ACM roof materials beneath – scrape any sealers off flashing or dispose of flashing as ACM.



2nd chimney with ACM sealers and flashing. Remove flashing and sealers beneath on chimney as ACM – scrape any sealers off flashing or dispose of flashing as ACM.



Roof ACM materials under visible new rubber and iso-board materials. Roof drain and 1 pipe penetration visible.



Roof ACM materials under visible new rubber and iso-board materials, on wood deck.