

HAZARDOUS MATERIALS ASSESSMENT
Jones Building
11 Kent Street, Charlottetown, PE

Prepared For:

PEI Department of Transportation & Infrastructure
P.O. Box 2000
Charlottetown, PE

June 3, 2023

ALL-TECH Project No.: PE22400



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EXECUTIVE SUMMARY

ALL-TECH Environmental Services Limited was contracted by the PEI Department of Transportation & Infrastructure (DTI) to conduct a hazardous material assessment for Jones Building located at 11 Kent Street, Charlottetown, Prince Edward Island.

The purpose of the assessment was to identify hazardous materials within the building which may require safe handling procedures and disposal requirements in accordance with their applicable regulations prior to any planned work, renovations, or demolition and to assist in the Asbestos Management Plan (AMP) of any in place asbestos containing materials (ACM).

This report has been prepared to document the identities, usages and locations of any designated substances and hazardous materials identified within the building.

The on-site assessment was conducted in January 2023. During the assessment hazardous materials including asbestos and lead (paint) were sampled. In addition, lamp ballasts and electrical transformers were visually assessed for Polychlorinated Biphenyls (PCBs) and reported if identified.

Based on the findings from the Hazardous Materials Assessment, the following conclusions and recommendations are presented:

A summary of the Hazardous Materials identified within the building is provided below in Table A based on our assessment as well as safe handling requirements. Areas identified with visually same ACM materials are outlined in Appendix III Site drawing with ACM locations.

Asbestos containing parging cement on fittings was noted in accessible areas throughout the building as have been identified in the Summary of ACM conditions and action report in Appendix IV. Floor plans have been added to Appendix III to assist in locating these areas.

Assessment Summary of ACM conditions and action report is outlined in Appendix IV and shall be used in conjunction with PEI Department of Transportation & Infrastructure's Asbestos Management Plan (2023) and shall be subject to annual review.


Other hazardous materials identified through sampling or visual assessment are noted in section 4 and are summarized in Appendix V.

Upon review of this report and based on any planned work, renovations or demolition, a full scope of work should be developed. This scope of work will be dependent upon which materials need to be disturbed or removed prior to the renovations. Should ACM not require disturbance or removal, then those identified shall remain in place and be part of the Management Plan.

TABLE A
Summary of Hazardous Materials for Management Plan
Jones Building

<i>Hazardous Materials</i>	<i>Description / Comments</i>	<i>Safe Handling Requirements</i>	<i>Disposal Requirements</i>
ASBESTOS	Parging cement on mechanical pipe fittings	Licensed contractor to obtain work permit prior to handling from PEI Dept. of WCB/OSH Division and all other pertinent sections of the <i>Occupational Health and Safety Act</i> R.S.P.E.I.	Regulatory approval from PEIELJ Disposal at approved facility such as EPWMF in Wellington, PEI
LEAD PAINT	Grey paint on door trim / (Basement)	TDG – manifest Trained personnel in the safe handling of lead coated surfaces and all other pertinent sections of the <i>Occupational Health and Safety Act</i> R.S.P.E.I.	Regulatory approval from PEIELJ Additional analysis required for TCLP for disposal purposes, if required.
	Cream paint on trim paint/ (Basement door trim)		
SILICA	Presumed in the following building components: <ul style="list-style-type: none"> • Concrete base structure (exterior) • Bricks and mortar (exterior) • Poured or pre-cast concrete (main and penthouse floors) • Interior concrete block walls / mortar • Plasters 	Trained personnel in the safe handling of silica dust and all other pertinent sections of the <i>Occupational Health and Safety Act</i> R.S.P.E.I.	Regulatory approval from PEIELJ
MERCURY	fluorescent lamp tubes	Do not break lamps or separate liquid mercury from components	Recycle and reclaim mercury from fluorescent lamps when taken out of service. Mercury is classified as a hazardous waste and must be disposed of in accordance with applicable Regulations.

This summary should not be used alone. The report must be read in its entirety.



Larry Koughan, CET, CRSP
Project Principal
ALL-TECH Environmental Services Limited

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Appendix IV	Summary of ACM conditions report
Appendix V	Summary of other Hazardous Materials report

SITE / CLIENT INFORMATION

Project No:	PE22400
Assessment Date:	January 2023
Client Name:	PEI Department of Transportation & Infrastructure
Address:	Jones Building 11 Kent Street, Charlottetown, PE

1 INTRODUCTION

ALL-TECH Environmental Services Limited was contracted by the PEI Department of Transportation & Infrastructure (DTI) to conduct a hazardous material assessment for the Jones Building located at 11 Kent Street in Charlottetown, Prince Edward Island.

The purpose of the assessment was to identify hazardous materials within the building which may require safe handling procedures and disposal requirements in accordance with their applicable regulations prior to any planned work, renovations, or demolition and to assist in the Asbestos Management Plan (AMP) of any in place asbestos containing materials (ACM).

This report has been prepared to document the identities, usages and locations of any designated substances and hazardous materials identified within the building.

The on-site assessment was conducted in January 2023. During the assessment hazardous materials including asbestos and lead (paint) were sampled. In addition, lamp ballasts and electrical transformers were visually assessed for Polychlorinated Biphenyls (PCBs) and reported if identified.

1.1 SURVEY OBJECTIVES

The scope of the survey was to conduct a non-destructive assessment to identify asbestos, lead, and PCBs within the subject building as well as any other suspect hazardous materials if encountered. ALL-TECH inspected both interior and exterior spaces of the subject building to determine whether designated substances and hazardous materials were present. Representative sampling for suspect asbestos and lead paint materials was conducted as required based on industry standards and the consultant's experience.

1.2 BACKGROUND BUILDING INFORMATION

TABLE 1 BUILDING FRAMEWORK	
Building Use	Government offices
Number of Floors	5 floors
Total Area	Approximately 7,513 m ²
Year of Construction	1971
Structure	Steel; concrete; brick and mortar
Exterior Cladding	Wood; concrete
HVAC	Fiberglass insulation or non-insulated
Roof	Not assessed
Flooring	Vinyl floor tiles , carpet
Interior Walls	Drywall, plaster, concrete
Ceilings	Suspended ceiling tiles; drywall

2 REGULATIONS & GUIDELINES

A summary table (Table 2) is provided for the applicable regulations, policies, codes, and / or guidelines of hazardous materials assessed for the purpose of this report. This information was used as reference to assess suspect hazardous materials and make recommendations based on the findings.

TABLE 2 SUMMARY OF REGULATORY FRAMEWORK	
ASBESTOS	<ul style="list-style-type: none"> ▪ <i>Occupational Health and Safety Act R.S.P.E.I.</i> 1988, Cap. O-1.01 General Regulations – Part 49 (Including any amendments to May 2021). ▪ Guide to Asbestos Management, Workers Compensation Board of PEI. ▪ <i>Environmental Protection Act Chapter E-9 Waste Management Regulations</i>, Prince Edward Island ▪ Transportation of Dangerous Goods Act (TDGA)
LEAD	<ul style="list-style-type: none"> ▪ Hazardous Products Act ▪ Prince Edward Island Department of Environment, Labour and Justice (PEIELJ) ▪ Transportation of Dangerous Goods Act (TDGA) ▪ The Environmental Abatement Council of Canada (EACC) Lead Guideline for Construction, Renovation, Maintenance or Repair. ▪ Surface Coating Materials Regulations, SOR/2016-193, Canada Consumer Product Safety Act.
PCB's	<ul style="list-style-type: none"> ▪ Environmental Contaminants Act, Chlorophenyl Regulations ▪ Environment Canada – “Identification of Lamp Ballasts Containing PCB's,” report EPS 2/CC/2 (revised) August 1991 ▪ PCB Regulations, SOR/2008-273, Canadian Environmental Protection Act.

2.1 ASBESTOS

Asbestos materials can be found in one of two forms: friable asbestos or a non-friable type. Friable asbestos material refers to material that when dry, can be crumbled, pulverized, or reduced to a powder by hand pressure. This type of asbestos material is hazardous due to its potential to become airborne, if damaged or disturbed.

Friable asbestos building products used that have been used in the past are sprayed acoustic and fire protection insulation which were installed on mechanical room ceilings, building structures, ceiling finishes, etc., and mechanical insulation on piping, tanks, boilers, vessels, etc. Some non-friable building products are vinyl acoustic floor tiles, gaskets, transite panels, piping, and shingles.

Non-friable materials if handled improperly during removal or renovations, such as cutting transite panels with an electrical tool, can cause high fiber releases.

Asbestos is classified as a hazardous material under the TDGA and must adhere to specific requirements for transfer including but not limited to waste transfer manifests and proper placards. All asbestos waste must be disposed of at an approved municipal solid waste disposal site. Recent changes from the Prince Edward Island's Department of Environment's Environmental Protection Act, Waste Resource Management Regulations have defined asbestos as "special waste" as asbestos containing materials containing 1% or greater by weight for the purpose of disposal.

All work should be carried out by personnel trained and licensed with the provincial department of the Workers Compensation Board / Occupational Health and Safety Division for asbestos abatement.

2.2 LEAD

Lead in paints is regulated under the Canadian Environmental Protection Act (CEPA) as published in Canada Gazette Part II. The lead content limit has been set to 600 mg/kg (0.06 percent by weight) for surface coating materials.

Any disturbance or removal of lead-based materials which may generate lead dust shall have to conform to the federal and provincial Occupational Health and Safety Act and Regulations. All work should be carried out by personnel trained in the safe handling of lead-based paint coatings and shall be trained in the use of respirators and be properly fit tested.

PEIELJ has established guidelines that restrict hazardous materials from municipal landfills and Construction and Demolition (C&D) waste disposal sites which potentially may migrate / leach into groundwater and cause adverse environmental impacts. Lead coated surfaces may leach from their base materials into soil and subsequent groundwater. PEIELJ has established guidelines that materials containing 1000 mg/kg or 0.1% lead by weight shall be classified as lead-based paints. If materials are

found to be above this guideline and require removal and disposal, then the materials must undergo leachate testing to assess total concentrations which could potentially leach into the ground soil and groundwater. Presently provincial requirements for lead leachate testing shall not exceed 5 mg/L. Disposal criteria for lead containing paints are based on total and leachable concentrations are as follows:

- Materials with total lead concentrations below the applicable Total guidelines can be disposed of at any C&D disposal site.
- Materials with *total lead concentrations above* the applicable Total guidelines and *leachable lead concentrations below* the applicable Leachate guidelines must be disposed of at an approved municipal solid waste landfill that has a composite liner and leachate collection system (i.e., East Prince Waste Management Facility in Wellington, PEI). A waste generator permit must first be approved and obtained by PEIELJ.
- Materials with total and leachable lead concentrations above provincial guidelines must be transported to an approved hazardous waste disposal site.

Materials with leachable lead concentrations above provincial guidelines must be manifested as dangerous goods during transport under the federal TDGA. Hazardous materials that are being disposed of out of province must comply with Interprovincial Movement of Hazardous Waste Regulations under the Canadian Environmental Protection Act (CEPA).

2.3 POLYCHLORINATED BIPHENYLS (PCB's)

In 1976, the Canadian Environment Contaminants Act passed regulations which prohibited the use of PCBs in transformer equipment. Under the same Act, the Chlorophenyl Regulations No. 1, states that PCBs cannot be used as a constituent of electrical capacitors, electrical transformers and associated electrical equipment manufactured in or imported into Canada after July 1, 1980.

There is currently no regulatory requirement to remove in-use PCBs from service. However, should suspect PCB containing light ballasts be removed from service, they should be treated as PCB waste or if confirmed to contain PCB oil in excess of 0.5 kg.

3 METHODOLOGY

The scope of work for the survey was to visually identify controlled hazardous materials for the safe handling and disposal of hazardous materials prior to renovations within the building. Where visual identification of asbestos containing materials and lead based paints were suspected but unable to be determined, samples were collected and sent to an approved laboratory for analysis.

There was limited destructive testing of structural members (i.e., walls, flooring) during the assessment. Where accessible, areas above ceiling cavities and behind walls were visually assessed to identify potentially concealed hazardous materials.

3.1 ASBESTOS

Using standard bulk sampling methodologies, representative suspect asbestos containing materials were sampled from ceiling & wall finishes, floor coverings, located throughout the building. Samples were placed in sealed plastic bags, labelled and a chain of custody form completed to be forwarded to IATL Laboratory via courier for analysis.

The asbestos assessment involved a visual investigation of suspect materials for the presence of asbestos containing materials. If these materials were suspected to contain asbestos, a bulk sample was collected of the representative material to be analysed with Polarized Light Microscopy.

It should be noted that asbestos containing materials may be present behind unrevealed areas. During demolition of these materials, precautions should be taken such as the use of personal protective equipment in the event of exposing concealed asbestos materials. If suspect materials are revealed, have them tested immediately.

3.2 LEAD

During the assessment, suspect lead-based paints were sampled from surfaces as determined by the consultant. Where practical, all layers of paint were removed and placed in sealed plastic bags, labelled and a chain of custody form completed to be forwarded to IATL Laboratory via courier for analysis.

3.3 POLYCHLORINATED BIPHENYLS

During the assessment, suspect PCB containing light ballasts were examined for PCB identification or by recording serial numbers for reference. Ballasts were inspected and manufacturers name, date and serial numbers were recorded when visible. The manufacturers identification numbers were then compared to Environment Canada's "Identification of Lamp Ballasts Containing PCB's," Report EPS 2/CC/2 9(revised), August 1991.

It should be noted that the assessment did not include the sampling / testing or analysis of the suspect PCB containing materials.

4 ASSESSMENT FINDINGS

4.1 ASBESTOS

During the survey, the consultant collected individual bulk material samples of suspect ACMs within the structure. Laboratory analysis certificates are presented in Appendix I.

A total of one hundred and two (102) bulk material samples were collected within the building during the survey. Some of these samples such as tile floor coverings, plasters and joint compounds were separated, and a total of one-hundred and ten (110) samples were analyzed. Of the 110 samples analyzed, five (5) were found to be asbestos containing.

Other materials such as pipe and duct insulations visually identified as fiberglass insulation were noted and not sampled.

For details on approximate quantities, condition, friability, accessibility and locations of hazardous materials; refer to the **Summary of ACM conditions report** in Appendix IV.

Individual items sampled and ACM materials identified are itemized in each sub-section below.

4.1.1 Texture Coat Finishes

Texture coat finishes were not observed or reported.	
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4.1.2 Pipe Insulation

ACM parging cement is present on pipe fittings as identified through various samples within the building. A total of six (6) parging cement samples were collected. Five of the six were found to contain **25% Chrysotile Asbestos**.

Straight sections of pipe are insulated with fibreglass insulation as identified through visual observations (see P2).

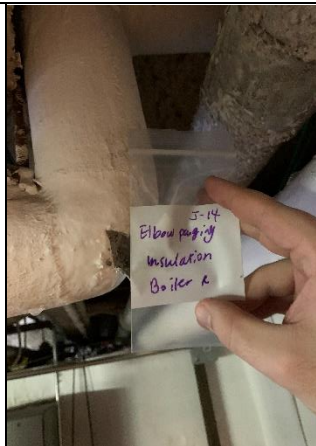


Photo 1



Photo 2

4.1.3 Duct Insulation

Duct insulation was covered with fiberglass insulation or non-insulated. No suspect asbestos coverings were noted or reported.



Photo 1



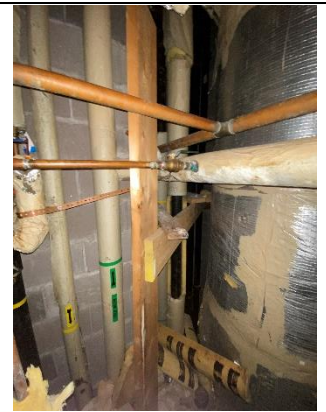
Photo 2

4.1.4 Mechanical Equipment Insulation

Pipe chase locations visibly identified with fiberglass straight runs and elbows. No parging cement was observed or reported in the pipe chase areas.



Photo 1



4.1.5 Plaster

Plaster walls and ceilings were noted and sampled in various random locations throughout the building. Representative sampling was completed on each floor of the building. A total of nineteen (19) samples were collected. None of the samples were found to be asbestos containing.

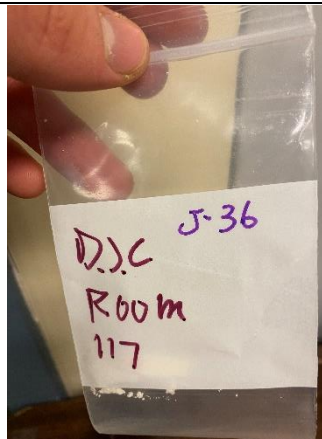


4.1.6 Drywall Joint Compound

Drywall joint compound walls and ceilings were noted and sampled in various random locations throughout the building.

Representative sampling was completed on each floor of the building.


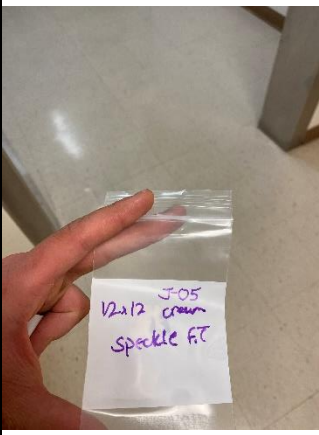
A total of twenty-one (21) joint compound samples were collected during the assessment. None of the samples were found to be asbestos containing.


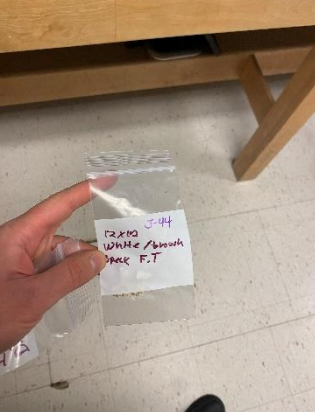
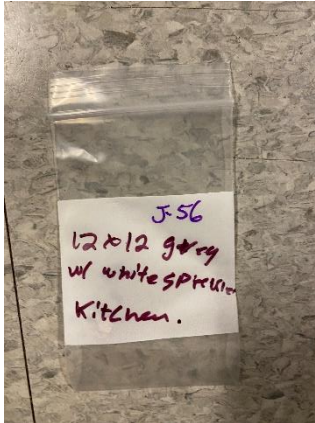
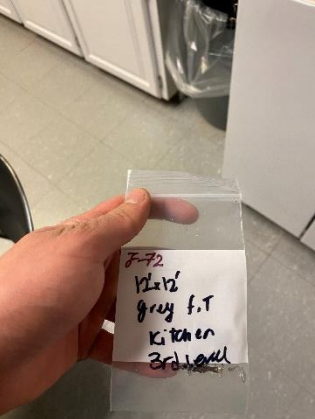


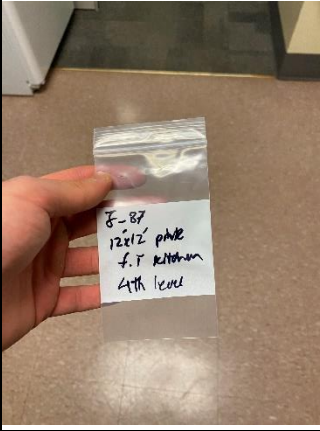
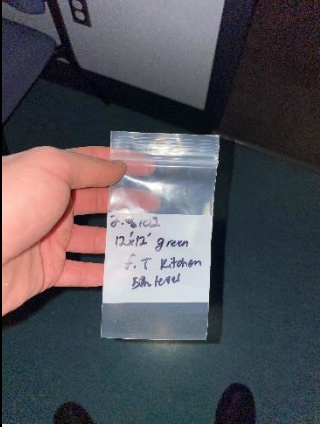
4.1.7 Vinyl Sheet Flooring

No vinyl sheet floor coverings were observed within the building during the assessment.

4.1.8 Vinyl Floor Tiles

Sample No.:	Flooring Description	Location	Asbestos Type / Content (%)	Photo
J-02	12" x 12" Cream colour speckle floor tile	Basement Room 46	None Detected in floor tile or mastic	
J-05	12"x12" Cream colour floor tile	Basement Corridor outside Room 34	None Detected in floor tile or mastic	

J-40	12" x 12" Red speckle floor tile	1 st Floor Kitchen	None Detected in floor tile or mastic	
J-44	12" x 12" White/Brown speckle floor tile	1 st Floor beside Corridor 120	None Detected in floor tile or mastic	
J-56	12" x 12" White/grey speckle floor tile	2 nd Floor Kitchen	None Detected in floor tile or mastic	
J-72	12" x 12" Grey floor tile	3 rd Floor Kitchen	None Detected in floor tile or mastic	

J-87	12" x 12" Pink floor tile	4 th Floor Kitchen	None Detected in floor tile or mastic	
J-102	12" x 12" Green floor tile	5 th Floor Kitchen	None Detected in floor tile or mastic	

4.1.9 Ceiling Tiles

In-lay acoustic ceiling tiles were observed and sampled in various random locations throughout the building.

The ceiling tiles were observed as both fissure (photo 1) and dotted (photo 2) designs throughout. A total of forty (40) ceiling tile samples were collected during the assessment. None of the samples were found to be asbestos containing.

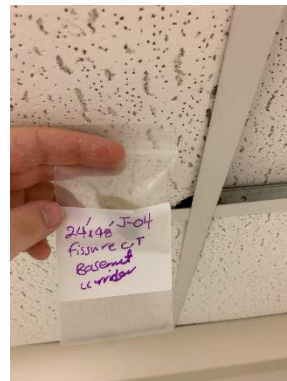


Photo 1



Photo 2

4.1.10 Other Building Materials

Sprayed fireproofing insulation was observed and sampled in various random areas in different levels of the building. A total of four (4) samples were collected during the assessment. None of the samples were found to be asbestos containing.



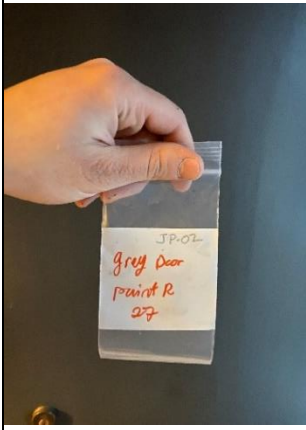
Photo 1

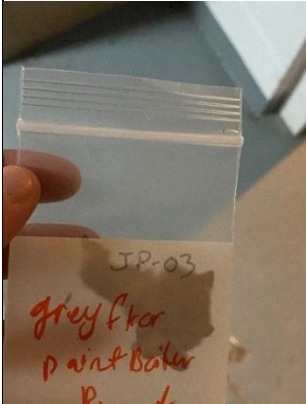
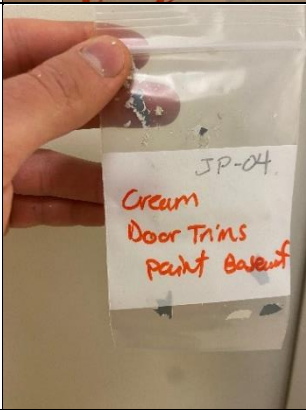
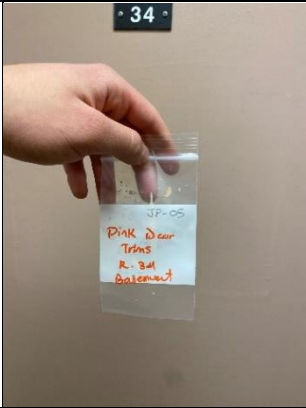
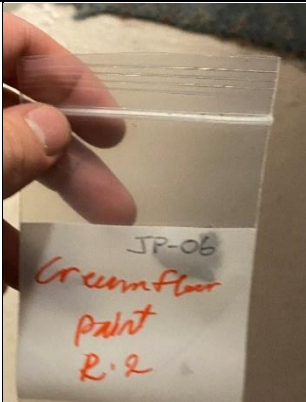
4.2 LEAD-BASED PAINTS

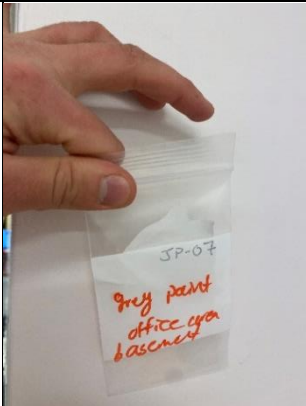
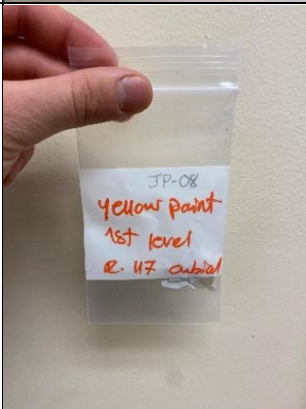
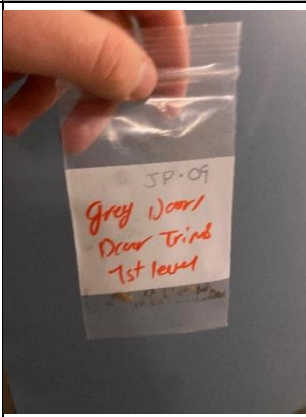
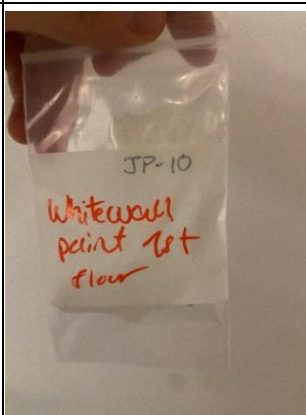
Based on the age of the buildings, lead based paints were sampled. A total of twenty (20) painted surface coatings were sampled within the building and sent to the laboratory for analysis for lead in paint.

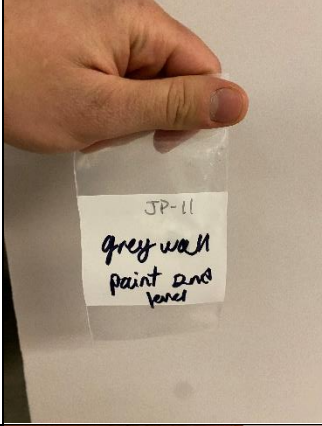
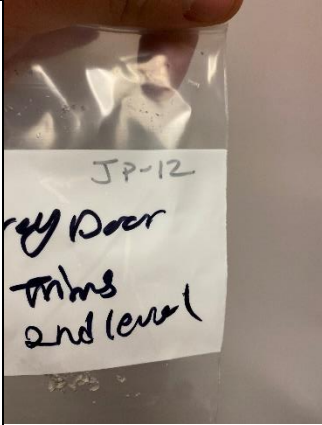
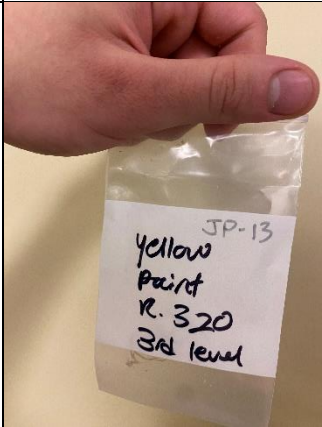
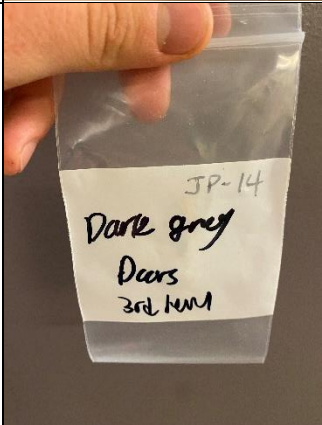
Based on the assessment findings, two (2) of the paint layers sampled exceeded CEPA guidelines of 0.06 percent by weight for surface coating materials. Exceedances are noted in bold red in the table below.

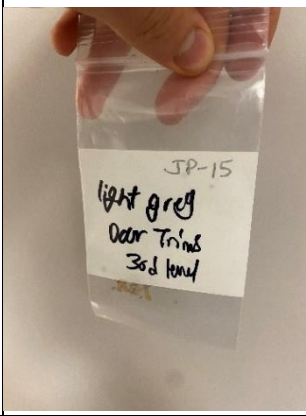
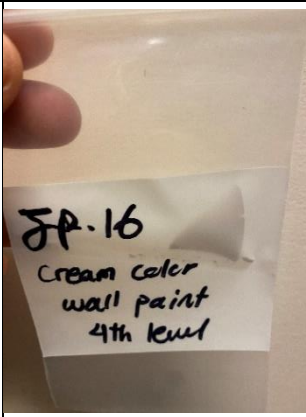
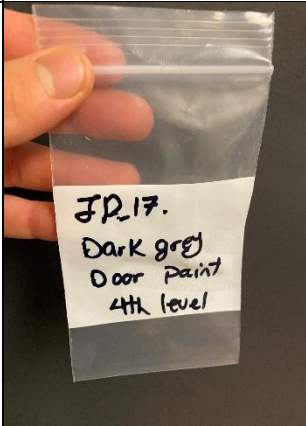
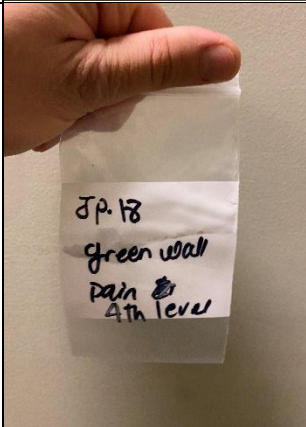
Laboratory analysis certificate is presented in Appendix II.

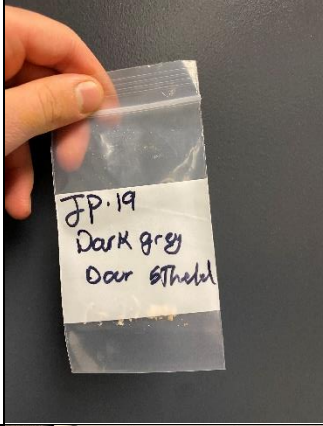
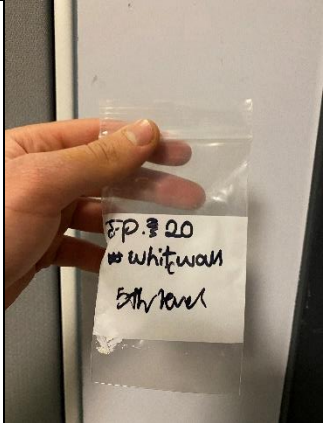
Sample No.:	Colour / Substrate Description	Location	Lead Content (%)	Photo
JP-01	White paint / Wall surface	Basement Room beside back stairway	< 0.0051	N/A
JP-02	Grey paint / Wooden door	Basement Room 27	0.22	

JP-03	Grey paint / Floor surface	Basement Mechanical Room	0.057	
JP-04	Cream paint / Door trim	Basement Door leading to front stairway	0.12	
JP-05	Pink paint / Wall surface	Basement Corridor 29 A	<0.0099	
JP-06	Cream paint / Floor surface	Basement Room 31	0.028	

JP-07	Grey paint / Wall surface	Basement By room 36	0.022	
JP-08	Yellow paint / Wall surface	1 st Floor Room 117	<0.0048	
JP-09	Grey paint / Door surface	1 st Floor Corridor outside room 136	<0.011	
JP-10	White paint / Wall surface	1 st Floor Corridor outside room 110	<0.0074	

JP-11	Grey paint / Wall surface	2 nd Floor Corridor outside room 220	<0.0079	
JP-12	Grey paint / Door trim	2 nd Floor Corridor outside room 236	0.024	
JP-13	Yellow paint / Wall surface	3 rd Floor Room 319	<0.012	
JP-14	Dark grey paint / Wall surface	3 rd Floor Corridor outside room 307	<0.015	

JP-15	Light grey / Door trim	3 rd Floor Corridor outside room 336	<0.020	
JP-16	Cream color paint / Wall surface	4 th Floor Room beside kitchen	<0.019	
JP-17	Dark grey paint / Door surface	4 th Floor Room 422	<0.016	
JP-18	Green paint / Wall surface	4 th floor Room 400	<0.0049	

JP-19	Dark grey / Door surface	5 th Floor Room 509	<0.0094	
JP-20	White paint / Door surface	5 th Floor Corridor outside room 509	0.024	

4.3 POLYCHLORINATED BIPHENYLS (PCB's)

Newer in-lay light fixtures were observed throughout the building. Typical ballasts found and reported are noted below in section 4.3.1. Manufacturer's labels were marked as non-PCB containing.

Through referencing and markings on lamp ballasts, it was determined that the ballasts observed on site are not suspected to be PCB containing.

4.3.1 Lighting Lamp Ballasts

Photo 1 – GE Proline T8 Lamp ballasts marked as No PCBs.

Photo 2 – Sylvania Quicktronic Lamp ballasts marked as No PCBs.



Photo 1



Photo 2

Photo 3 – Typical in-lay light fixtures for non-PCB containing ballasts.



Photo 3

4.3.2 Transformers

Electrical transformers were not found or reported during the assessment.

4.4 SILICA

Crystalline silica is a presumed component of the following materials:

- Concrete base structure (exterior)
- Bricks and mortar (exterior)
- Poured or pre-cast concrete (main and penthouse floors)
- Interior concrete block walls / mortar
- Plasters

4.5 MERCURY

4.5.1 Lighting

Mercury vapour is present in fluorescent lamp tubes.

4.5.2 Mercury Containing Devices

No mercury containing thermostats ampules were reported.

5 SUMMARY OF HAZARDOUS MATERIALS

A summary of the Hazardous Materials identified within the building is provided below in Table 3 based on our assessment as well as safe handling requirements. Areas identified with visually same ACM materials are outlined in Appendix III Site drawing with ACM locations.

Asbestos containing parging cement on fittings was noted in accessible areas throughout the building as have been identified in the Summary of ACM conditions and action report in Appendix IV. Floor plans have been added to Appendix III to assist in locating these areas.

Assessment Summary of ACM conditions and action report is outlined in Appendix IV and shall be used in conjunction with PEI Department of Transportation & Infrastructure’s Asbestos Management Plan (2023) and shall be subject to annual review.

Other hazardous materials identified through sampling or visual assessment are noted in section 4 and are summarized in Appendix V.

Upon review of this report and based on any planned work, renovations or demolition, a full scope of work should be developed. This scope of work will be dependent upon which materials need to be disturbed or removed prior to the renovations. Should ACM not require disturbance or removal, then those identified shall remain in place and be part of the Management Plan.

TABLE 3 Summary of Hazardous Materials for Management Plan Jones Building			
<i>Hazardous Materials</i>	<i>Description / Comments</i>	<i>Safe Handling Requirements</i>	<i>Disposal Requirements</i>
ASBESTOS	Parging cement on mechanical pipe fittings	Licensed contractor to obtain work permit prior to handling from PEI Dept. of WCB/OSH Division and all other pertinent sections of the <i>Occupational Health and Safety Act</i> R.S.P.E.I.	Regulatory approval from PEIELJ Disposal at approved facility such as EPWMF in Wellington, PEI
LEAD PAINT	Grey paint on door trim / (Basement)	TDG – manifest Trained personnel in the safe handling of lead coated surfaces and all other pertinent sections of the <i>Occupational Health and Safety Act</i> R.S.P.E.I	Regulatory approval from PEIELJ Additional analysis required for TCLP for disposal purposes, if required.
	Cream paint on trim paint/ (Basement door trim)		
SILICA	Presumed in the following building components: <ul style="list-style-type: none"> • Concrete base structure (exterior) • Bricks and mortar (exterior) • Poured or pre-cast concrete (main and penthouse floors) • Interior concrete block walls / mortar 	Trained personnel in the safe handling of silica dust and all other pertinent sections of the <i>Occupational Health and Safety Act</i> R.S.P.E.I	Regulatory approval from PEIELJ

	• Plasters		
MERCURY	fluorescent lamp tubes	Do not break lamps or separate liquid mercury from components	Recycle and reclaim mercury from fluorescent lamps when taken out of service. Mercury is classified as a hazardous waste and must be disposed of in accordance with applicable Regulations.

6 ON-GOING MANAGEMENT & MAINTENANCE

The following recommendations are made regarding on-going management and maintenance work involving the hazardous materials identified.

Perform a detailed intrusive assessment prior to building renovation or demolition operations. The assessment should include; destructive testing (e.g., coring and/or removal of building finishes and components), and other materials not previously tested (e.g., roofing materials).

6.1 Asbestos

Ensure policies and procedures outlined in the buildings Asbestos Management Plan (AMP) are followed when conducting asbestos-related work at this facility.

Perform a re-assessment of asbestos-containing materials (ACM) on an annual basis. The next reassessment of ACM should be performed prior to April 2024 to remain in compliance.

Remove ACM prior to alteration or maintenance work if ACM may be disturbed by the work. Follow appropriate asbestos precautions for the classification of work being performed.

Asbestos-containing materials must be disposed of at a landfill approved to accept asbestos waste.

Update the asbestos inventory upon completion of the abatement and removal of asbestos-containing materials and any other relevant findings. Upon completion, update mechanical and pipe insulation that have been re-insulated with Asbestos Free labelling (figure 1).



Figure 1

6.2 Lead

For lead-containing or lead-based paints (i.e., greater than the CEPA guidelines of 600 mg/kg (0.06 percent by weight) for surface coating materials, work procedures, engineering controls and personal protective equipment should be assessed on a site-specific basis to comply with Occupational Health and Safety regulations and Lead guidelines.

Dispose of painted materials exceeding the criteria for leachable lead as hazardous waste.

6.3 Silica

Disturbance of silica-containing products during maintenance activities may result in excessive exposures to airborne silica, especially if performed indoors and dry. Cutting, grinding, drilling or demolition of materials containing silica should be completed only with proper respiratory protection and other worker safety precautions that comply with applicable regulations and guidelines.

6.4 Mercury

Do not break lamps or separate liquid mercury from components. Recycle and reclaim mercury from fluorescent lamps and thermostats when taken out of service. Mercury is classified as a hazardous waste and must be disposed of in accordance with applicable regulations.

7 DISCLAIMER

The recommendations detailed in this report were carried out in a manner consistent with the level of care and skill normally exercised by reasonable members of the environmental and industrial hygiene consulting profession currently practicing under similar conditions in the area.

In preparing this report, ALL-TECH Environmental Services Limited relied on information supplied by others, including independent laboratories, and testing services. Except as expressly set out in this report, we have not made any independent verification of such information.

The recommendations in this report have been made in the context of existing industry accepted guidelines which were in place at the date of this report.

We trust this information is beneficial for assisting you in better understanding the process that has been carried out as well as the benefits and limitations of air sample results.

Should you have any questions or concerns pertaining to this report, please contact the undersigned directly.



Larry G. Koughan, CET, CRSP
Senior Project Consultant



APPENDIX I

Laboratory Certificate of Analysis – Asbestos PLM Samples

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 2/1/2023 Report No.: 676974 - PLM Project: Jones Bldg Project No.: PE22400
Client: ALL131	

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7558983 Client No.: J-01	Analyst Observation: White Ceiling Tile Client Description: 24"x48" Fissure Ceiling Tile	Location: Basement Room 46 Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 60 Cellulose 20 Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 20
Lab No.: 7558984 Client No.: J-02	Analyst Observation: Cream Floor Tile Client Description: 12"x12" Cream Speckle Floor Tile	Location: Basement Room 46 Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7558984(L2) Client No.: J-02	Analyst Observation: Black Mastic Client Description: 12"x12" Cream Speckle Floor Tile	Location: Basement Room 46 Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7558985 Client No.: J-03	Analyst Observation: White Plaster Client Description: Plaster Wall	Location: Basement Room 46 Facility:
<u>Percent Asbestos:</u> PC 0.50 Chrysotile	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 99.5
Lab No.: 7558986 Client No.: J-04	Analyst Observation: White Ceiling Tile Client Description: 24"x48" Fissure Ceiling Tile	Location: Basement Corridor Outside Room 49 Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 60 Cellulose 20 Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 20
Lab No.: 7558987 Client No.: J-05	Analyst Observation: Cream Floor Tile Client Description: 12"x12" Cream Speckle Floor Tile	Location: Basement Corridor Outside Room 34 Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/25/2023
Date Analyzed: 02/01/2023
Signature:
Analyst: Aidan Becker

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 2/1/2023
Report No.: 676974 - PLM
Project: Jones Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7558987(L2) **Analyst Observation:** Black Mastic **Location:** Basement Corridor Outside
Client No.: J-05 **Client Description:** 12"x12" Cream Speckle Floor Tile Room 34
Facility:
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected None Detected 100

Lab No.: 7558988 **Analyst Observation:** White Plaster **Location:** Basement Corridor Outside
Client No.: J-06 **Client Description:** Plaster Wall Room 34
Facility:
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
PC 0.25 Chrysotile None Detected 99.75

Lab No.: 7558989 **Analyst Observation:** White Ceiling Tile **Location:** Basement Corridor Outside
Client No.: J-07 **Client Description:** 24"x48" Fissure Ceiling Tile Room 3
Facility:
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 60 Cellulose 20
20 Fibrous Glass

Lab No.: 7558990 **Analyst Observation:** White Plaster **Location:** Basement Room 39
Client No.: J-08 **Client Description:** Plaster Wall **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
PC 0.25 Chrysotile None Detected 99.75

Lab No.: 7558991 **Analyst Observation:** White Ceiling Tile **Location:** Basement Room 39
Client No.: J-09 **Client Description:** 24"x48" Fissure Ceiling Tile **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 60 Cellulose 20
20 Fibrous Glass

Lab No.: 7558992 **Analyst Observation:** White Plaster **Location:** Basement Room 38
Client No.: J-10 **Client Description:** Plaster Wall **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
PC Trace Chrysotile None Detected 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/25/2023
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Signature:
Analyst: Aidan Becker

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 2/1/2023
Report No.: 676974 - PLM
Project: Jones Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7558993 **Analyst Observation:** White Plaster **Location:** Basement Room 49
Client No.: J-11 **Client Description:** Plaster Wall **Facility:**
Percent Asbestos: **Percent Non-Asbestos Fibrous Material:** **Percent Non-Fibrous Material:**
PC 0.25 Chrysotile None Detected 99.75

Lab No.: 7558994 **Analyst Observation:** Tan Insulation **Location:** Basement Boiler Room 9
Client No.: J-12 **Client Description:** Pipe Elbow Parging Insulation **Facility:**
Percent Asbestos: **Percent Non-Asbestos Fibrous Material:** **Percent Non-Fibrous Material:**
None Detected 15 Cellulose 85

Lab No.: 7558995 **Analyst Observation:** Grey Insulation **Location:** Basement Boiler Room 9
Client No.: J-13 **Client Description:** Pipe Elbow Parging **Facility:**
Percent Asbestos: **Percent Non-Asbestos Fibrous Material:** **Percent Non-Fibrous Material:**
25 Chrysotile None Detected 75

Sample received wet

Lab No.: 7558996 **Analyst Observation:** Grey Insulation **Location:** Basement Boiler Room 9
Client No.: J-14 **Client Description:** Pipe Elbow Parging Insulation **Facility:**
Percent Asbestos: **Percent Non-Asbestos Fibrous Material:** **Percent Non-Fibrous Material:**
25 Chrysotile None Detected 75

Lab No.: 7558997 **Analyst Observation:** Grey Insulation **Location:** Basement Boiler Room 9
Client No.: J-15 **Client Description:** Pipe Elbow Parging Insulation **Facility:**
Percent Asbestos: **Percent Non-Asbestos Fibrous Material:** **Percent Non-Fibrous Material:**
25 Chrysotile None Detected 75

Lab No.: 7558998 **Analyst Observation:** White Insulation **Location:** Basement Boiler Room 9
Client No.: J-16 **Client Description:** Spray Proof Fire Insulation **Facility:**
Percent Asbestos: **Percent Non-Asbestos Fibrous Material:** **Percent Non-Fibrous Material:**
PC Trace Chrysotile 70 Fibrous Glass 30

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/25/2023
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Signature:
Analyst: Aidan Becker

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 2/1/2023
Report No.: 676974 - PLM
Project: Jones Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7558999 **Analyst Observation:** Grey Insulation **Location:** Basement Corridor Beside Room 46
Client No.: J-17 **Client Description:** Pipe Elbow Parging Insulation

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
25 Chrysotile None Detected 75

Lab No.: 7559000 **Analyst Observation:** White Joint Compound **Location:** Basement Room 46
Client No.: J-18 **Client Description:** Drywall Joint Compound

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected None Detected 100

Lab No.: 7559001 **Analyst Observation:** White Ceiling Tile **Location:** Basement Room 25
Client No.: J-19 **Client Description:** 24"x48" Fissure Ceiling Tile

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 70 Fibrous Glass 10
20 Cellulose

Lab No.: 7559002 **Analyst Observation:** White Joint Compound **Location:** Basement Corridor Outside Room 34
Client No.: J-20 **Client Description:** Drywall Joint Compound

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected None Detected 100

Lab No.: 7559003 **Analyst Observation:** White Ceiling Tile **Location:** Basement Room 23
Client No.: J-21 **Client Description:** 24"x48" Fissure Dotted Ceiling Tile


Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 60 Cellulose 20
20 Fibrous Glass

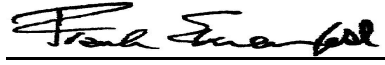
Lab No.: 7559004 **Analyst Observation:** White Ceiling Tile **Location:** Basement Room 21
Client No.: J-22 **Client Description:** 24"x48" Fissure Dotted Ceiling Tile

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 60 Cellulose 20
20 Fibrous Glass

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/25/2023
Date Analyzed: 02/01/2023

Signature: 
Analyst: Aidan Becker

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5


Client: ALL131

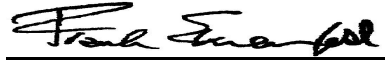
Report Date: 2/1/2023
Report No.: 676974 - PLM
Project: Jones Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7559005 Client No.: J-23	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound	Location: Basement Room 31 Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7559006 Client No.: J-24	Analyst Observation: Off-White Insulation Client Description: Pipe Elbow Parging Insulation	Location: Basement Room 3 Facility:
<u>Percent Asbestos:</u> <i>25 Chrysotile</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 75
Lab No.: 7559007 Client No.: J-25	Analyst Observation: White Plaster Client Description: Plaster Wall	Location: Basement Room 46 Facility:
<u>Percent Asbestos:</u> <i>PC Trace Chrysotile</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7559008 Client No.: J-26	Analyst Observation: White Ceiling Tile Client Description: 24"x48" Fissure Dotted Ceiling Tile	Location: First Floor Waiting Area Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 60 Cellulose 20 Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 20
Lab No.: 7559009 Client No.: J-27	Analyst Observation: White Ceiling Tile Client Description: 24"x48" Fissure Dotted Ceiling Tile	Location: First Floor Corridor Near Waiting Area Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 60 Cellulose 20 Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 20
Lab No.: 7559010 Client No.: J-28	Analyst Observation: White Ceiling Tile Client Description: 24"x48" Fissure Dotted Ceiling Tile	Location: First Floor Corridor Outside Room 102 Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 60 Cellulose 20 Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 20

Please refer to the Appendix of this report for further information regarding your analysis.

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Laboratory Director

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20 Duke St., Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 2/1/2023
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Project: Jones Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7559011 **Analyst Observation:** White Plaster **Location:** First Floor Corridor Near Waiting Area
Client No.: J-29 **Client Description:** Plaster Wall **Facility:**
Percent Asbestos: **Percent Non-Asbestos Fibrous Material:** **Percent Non-Fibrous Material:**
PC 0.50 Chrysotile None Detected 99.5

Lab No.: 7559012 **Analyst Observation:** White Plaster **Location:** First Floor Corridor Outside Room 107
Client No.: J-30 **Client Description:** Plaster Wall **Facility:**
Percent Asbestos: **Percent Non-Asbestos Fibrous Material:** **Percent Non-Fibrous Material:**
PC 0.25 Chrysotile None Detected 99.75


Lab No.: 7559013 **Analyst Observation:** White Plaster **Location:** First Floor Corridor Outside Room 120
Client No.: J-31 **Client Description:** Plaster Wall **Facility:**
Percent Asbestos: **Percent Non-Asbestos Fibrous Material:** **Percent Non-Fibrous Material:**
PC 0.25 Chrysotile None Detected 99.75

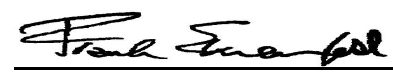
Lab No.: 7559014 **Analyst Observation:** White Plaster **Location:** First Floor Room 117
Client No.: J-32 **Client Description:** Plaster Wall **Facility:**
Percent Asbestos: **Percent Non-Asbestos Fibrous Material:** **Percent Non-Fibrous Material:**
PC 0.25 Chrysotile None Detected 99.75

Lab No.: 7559015 **Analyst Observation:** White Plaster **Location:** First Floor Corridor Outside Room 102
Client No.: J-33 **Client Description:** Plaster Wall **Facility:**
Percent Asbestos: **Percent Non-Asbestos Fibrous Material:** **Percent Non-Fibrous Material:**
PC 0.50 Chrysotile None Detected 99.5

Lab No.: 7559016 **Analyst Observation:** White Ceiling Tile **Location:** First Floor Room 117
Client No.: J-34 **Client Description:** 24"x48" Dotted Ceiling Tile **Facility:**
Percent Asbestos: **Percent Non-Asbestos Fibrous Material:** **Percent Non-Fibrous Material:**
None Detected 60 Cellulose 20
20 Fibrous Glass

Please refer to the Appendix of this report for further information regarding your analysis.

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CERTIFICATE OF ANALYSIS

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Client: ALL131

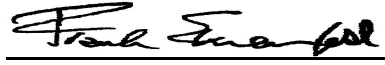
Report Date: 2/1/2023
Report No.: 676974 - PLM
Project: Jones Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7559017 Client No.: J-35	Analyst Observation: White Ceiling Tile Client Description: 24"x48" Dotted Ceiling Tile	Location: First Floor Room 117 Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: 60 Cellulose 20 Fibrous Glass	Percent Non-Fibrous Material: 20
Lab No.: 7559018 Client No.: J-36	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound	Location: First Floor Room 117 Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7559019 Client No.: J-37	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound	Location: First Floor Corridor Outside Room 132 Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7559020 Client No.: J-38	Analyst Observation: White Ceiling Tile Client Description: 24"x48" Fissure Dotted Ceiling Tile	Location: First Floor Corridor Outside Edit Suite Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: 60 Cellulose 20 Fibrous Glass	Percent Non-Fibrous Material: 20
Lab No.: 7559021 Client No.: J-39	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound	Location: First Floor Corridor Outside Edit Suite Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7559022 Client No.: J-40	Analyst Observation: Red Floor Tile Client Description: 12"x12" Red Specks Floor Tile	Location: First Floor Kitchen Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/25/2023
Date Analyzed: 02/01/2023
Signature: 
Analyst: Aidan Becker

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5


Client: ALL131

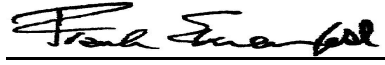
Report Date: 2/1/2023
Report No.: 676974 - PLM
Project: Jones Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7559022(L2) Client No.: J-40	Analyst Observation: Black Mastic Client Description: 12"x12" Red Specks Floor Tile	Location: First Floor Kitchen Facility:
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7559023 Client No.: J-41	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound	Location: First Floor Corridor Outside Room 120 Facility:
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7559024 Client No.: J-42	Analyst Observation: White Ceiling Tile Client Description: 24"x48" Dotted Ceiling Tile	Location: First Floor IT Dept Facility:
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> 60 Cellulose 20 Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 20
Lab No.: 7559025 Client No.: J-43	Analyst Observation: White Ceiling Tile Client Description: 24"x48" Dotted Ceiling Tile	Location: First Floor IT Dept Facility:
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> 60 Cellulose 20 Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 20
Lab No.: 7559026 Client No.: J-44	Analyst Observation: White Floor Tile Client Description: 12"x12" White/Brown Speck Floor Tile	Location: First Floor Beside Corridor 120 Facility:
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7559026(L2) Client No.: J-44	Analyst Observation: Yellow Mastic Client Description: 12"x12" White/Brown Speck Floor Tile	Location: First Floor Beside Corridor 120 Facility:
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/25/2023
Date Analyzed: 02/01/2023
Signature: 
Analyst: Aidan Becker

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 2/1/2023
Report No.: 676974 - PLM
Project: Jones Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7559027 **Analyst Observation:** White Insulation **Location:** First Floor Beside Corridor 120
Client No.: J-45 **Client Description:** Spray Proof Insulation **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
PC Trace Chrysotile 70 Fibrous Glass 30

Lab No.: 7559028 **Analyst Observation:** White Plaster **Location:** Second Floor Beside Elevators
Client No.: J-46 **Client Description:** Plaster Wall **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
PC Trace Chrysotile None Detected 100


Lab No.: 7559029 **Analyst Observation:** White Plaster **Location:** Second Floor Beside Elevators
Client No.: J-47 **Client Description:** Plaster Wall **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
PC Trace Chrysotile None Detected 100

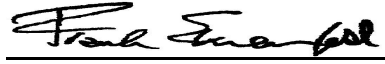
Lab No.: 7559030 **Analyst Observation:** White Ceiling Tile **Location:** Second Floor Corridor Outside
Client No.: J-48 **Client Description:** 24"x48" Fissure Dotted Ceiling Tile Room 237
Percent Asbestos: Percent Non-Asbestos Fibrous Material: **Facility:**
None Detected 60 Cellulose Percent Non-Fibrous Material:
20 Fibrous Glass 20

Lab No.: 7559031 **Analyst Observation:** White Ceiling Tile **Location:** Second Floor Corridor Outside
Client No.: J-49 **Client Description:** 24"x48" Fissure Dotted Ceiling Tile Room 218
Percent Asbestos: Percent Non-Asbestos Fibrous Material: **Facility:**
None Detected 60 Cellulose Percent Non-Fibrous Material:
20 Fibrous Glass 20

Lab No.: 7559032 **Analyst Observation:** White Ceiling Tile **Location:** Second Floor Corridor Outside
Client No.: J-50 **Client Description:** 24"x48" Fissure Dotted Ceiling Tile Room 232
Percent Asbestos: Percent Non-Asbestos Fibrous Material: **Facility:**
None Detected 60 Cellulose Percent Non-Fibrous Material:
20 Fibrous Glass 20

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Date Received: 1/25/2023
Date Analyzed: 02/01/2023
Signature: 
Analyst: Aidan Becker

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Report Date: 2/1/2023
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Project: Jones Bldg
Project No.: PE22400

Client: ALL131

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7559033
Client No.: J-51

Analyst Observation: White Ceiling Tile
Client Description: 24"x48" Fissure Dotted Ceiling Tile


Location: Second Floor Corridor Outside
Room 222

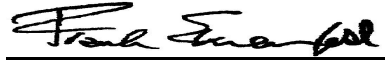
Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
60 Cellulose
20 Fibrous Glass

Facility:
Percent Non-Fibrous Material:
20

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/25/2023
Date Analyzed: 02/01/2023
Signature: 
Analyst: Aidan Becker

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

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20 Duke St., Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 2/1/2023
Report No.: 676974 - PLM
Project: Jones Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7559034
Client No.: J-52

Analyst Observation: White Joint Compound
Client Description: Drywall Joint Compound

Location: Second Floor Corridor Outside
Room 204

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Facility:
Percent Non-Fibrous Material:
100

Note: No drywall present.

Lab No.: 7559035
Client No.: J-53

Analyst Observation: White Joint Compound
Client Description: Drywall Joint Compound

Location: Second Floor Corridor Outside
Room 214

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Facility:
Percent Non-Fibrous Material:
100

Note: No drywall present.

Lab No.: 7559036
Client No.: J-54

Analyst Observation: White Joint Compound
Client Description: Drywall Joint Compound

Location: Second Floor Corridor Outside
Room 210

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Facility:
Percent Non-Fibrous Material:
100

Note: No drywall present.

Lab No.: 7559037
Client No.: J-55

Analyst Observation: White Joint Compound
Client Description: Drywall Joint Compound

Location: Second Floor Corridor Outside
Room 217

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Facility:
Percent Non-Fibrous Material:
100

Note: No drywall present.

Lab No.: 7559038
Client No.: J-56

Analyst Observation: Lt Grey Floor Tile
Client Description: 12"x12" White/Grey Speck Floor Tile


Location: Second Floor Kitchen
Facility:

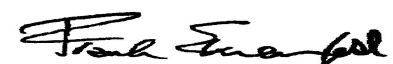
Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/25/2023
Date Analyzed: 02/01/2023
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5


Client: ALL131

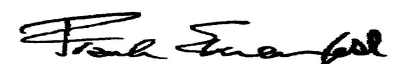
Report Date: 2/1/2023
Report No.: 676974 - PLM
Project: Jones Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7559038(L2) Client No.: J-56	Analyst Observation: Black Mastic Client Description: 12"x12" White/Grey Speck Floor Tile	Location: Second Floor Kitchen Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 2 Cellulose	<u>Percent Non-Fibrous Material:</u> 98
Lab No.: 7559039 Client No.: J-57	Analyst Observation: White Insulation Client Description: Spray Proof Fire Insulation	Location: Second Floor Corridor Outside Room 200 Facility:
<u>Percent Asbestos:</u> PC 0.25 Chrysotile	<u>Percent Non-Asbestos Fibrous Material:</u> 65 Fibrous Glass 2 Cellulose	<u>Percent Non-Fibrous Material:</u> 32.75
Lab No.: 7559040 Client No.: J-58	Analyst Observation: Tan Ceiling Tile Client Description: 24"x48" Fissure Dotted Ceiling Tile	Location: Second Floor Corridor Outside Washroom Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 35 Cellulose 15 Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 50
Lab No.: 7559041 Client No.: J-59	Analyst Observation: Tan Ceiling Tile Client Description: 24"x48" Fissure Dotted Ceiling Tile	Location: Second Floor Corridor Outside Washroom Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 35 Cellulose 15 Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 50
Lab No.: 7559042 Client No.: J-60	Analyst Observation: Lt Tan Plaster Client Description: Plaster Wall	Location: Third Floor Beside Elevators Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7559043 Client No.: J-61	Analyst Observation: Lt Tan Plaster Client Description: Plaster Wall	Location: Third Floor Beside Elevators Facility:
<u>Percent Asbestos:</u> PC 0.25 Chrysotile	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 99.75

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Date Received: 1/25/2023
Date Analyzed: 02/01/2023
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Report Date: 2/1/2023
Report No.: 676974 - PLM
Project: Jones Bldg
Project No.: PE22400

Client: ALL131

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7559044 **Analyst Observation:** Tan Ceiling Tile **Location:** Third Floor Beside Elevators
Client No.: J-62 **Client Description:** 24"x48" Fissure Dotted Ceiling Tile **Facility:**
Percent Asbestos: **Percent Non-Asbestos Fibrous Material:** **Percent Non-Fibrous Material:**
None Detected 40 Cellulose 45
15 Fibrous Glass


Lab No.: 7559045 **Analyst Observation:** Tan Ceiling Tile **Location:** Third Floor Beside Elevators
Client No.: J-63 **Client Description:** 24"x48" Fissure Dotted Ceiling Tile **Facility:**
Percent Asbestos: **Percent Non-Asbestos Fibrous Material:** **Percent Non-Fibrous Material:**
None Detected 35 Cellulose 50
15 Fibrous Glass

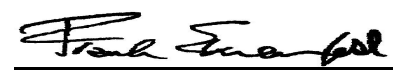
Lab No.: 7559046 **Analyst Observation:** Tan Ceiling Tile **Location:** Third Floor Corridor Beside
Client No.: J-64 **Client Description:** 24"x48" Fissure Dotted Ceiling Tile Room 307
Facility:
Percent Asbestos: **Percent Non-Asbestos Fibrous Material:** **Percent Non-Fibrous Material:**
None Detected 35 Cellulose 50
15 Fibrous Glass

Lab No.: 7559047 **Analyst Observation:** Tan Ceiling Tile **Location:** Third Floor Corridor Beside
Client No.: J-65 **Client Description:** 24"x48" Fissure Dotted Ceiling Tile Room 303
Facility:
Percent Asbestos: **Percent Non-Asbestos Fibrous Material:** **Percent Non-Fibrous Material:**
None Detected 35 Cellulose 45
20 Fibrous Glass

Lab No.: 7559048 **Analyst Observation:** Tan Ceiling Tile **Location:** Third Floor Corridor Beside
Client No.: J-66 **Client Description:** 24"x48" Fissure Dotted Ceiling Tile Room 336
Facility:
Percent Asbestos: **Percent Non-Asbestos Fibrous Material:** **Percent Non-Fibrous Material:**
None Detected 40 Cellulose 45
15 Fibrous Glass

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Date Received: 1/25/2023
Date Analyzed: 02/01/2023
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 2/1/2023
Report No.: 676974 - PLM
Project: Jones Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7559049 **Analyst Observation:** Tan Ceiling Tile **Location:** Third Floor Corridor Beside Room 312
Client No.: J-67 **Client Description:** 24"x48" Fissure Dotted Ceiling Tile

Percent Asbestos: Percent Non-Asbestos Fibrous Material: **Facility:**
None Detected 35 Cellulose Percent Non-Fibrous Material:
15 Fibrous Glass 50

Lab No.: 7559050 **Analyst Observation:** White Joint Compound **Location:** Third Floor Corridor Outside Room 327
Client No.: J-68 **Client Description:** Drywall Joint Compound

Percent Asbestos: Percent Non-Asbestos Fibrous Material: **Facility:**
None Detected None Detected Percent Non-Fibrous Material:
100

Note: No drywall present.

Lab No.: 7559051 **Analyst Observation:** White Joint Compound **Location:** Third Floor Corridor Outside Room 316
Client No.: J-69 **Client Description:** Drywall Joint Compound

Percent Asbestos: Percent Non-Asbestos Fibrous Material: **Facility:**
None Detected None Detected Percent Non-Fibrous Material:
100

Note: No drywall present.

Lab No.: 7559052 **Analyst Observation:** White Joint Compound **Location:** Third Floor Corridor Outside Room 305
Client No.: J-70 **Client Description:** Drywall Joint Compound

Percent Asbestos: Percent Non-Asbestos Fibrous Material: **Facility:**
None Detected None Detected Percent Non-Fibrous Material:
100


Note: No drywall present.


Lab No.: 7559053 **Analyst Observation:** White Joint Compound **Location:** Third Floor Corridor Outside Room 310
Client No.: J-71 **Client Description:** Drywall Joint Compound

Percent Asbestos: Percent Non-Asbestos Fibrous Material: **Facility:**
None Detected None Detected Percent Non-Fibrous Material:
100

Note: No drywall present.

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/25/2023
Date Analyzed: 02/01/2023
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Report Date: 2/1/2023
Report No.: 676974 - PLM
Project: Jones Bldg
Project No.: PE22400

Client: ALL131

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7559054 **Analyst Observation:** Grey Floor Tile **Location:** Third Floor Kitchen
Client No.: J-72 **Client Description:** 12"x12" Grey Floor Tile **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected None Detected 100

Lab No.: 7559054(L2) **Analyst Observation:** Black Mastic **Location:** Third Floor Kitchen
Client No.: J-72 **Client Description:** 12"x12" Grey Floor Tile **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 1 Cellulose 99


Lab No.: 7559055 **Analyst Observation:** White Joint Compound **Location:** Fifth Floor Corridor Outside
Client No.: J-73 **Client Description:** Drywall Joint Compound Room 517
Percent Asbestos: Percent Non-Asbestos Fibrous Material: **Facility:**
None Detected None Detected Percent Non-Fibrous Material:
100

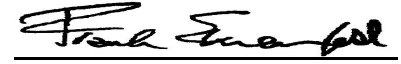
Note: No drywall present.

Lab No.: 7559056 **Analyst Observation:** Tan Ceiling Tile **Location:** Fourth Floor Beside Elevators
Client No.: J-74 **Client Description:** 24"x48" Dotted Ceiling Tile **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 35 Cellulose 50
15 Fibrous Glass

Lab No.: 7559057 **Analyst Observation:** Tan Ceiling Tile **Location:** Fourth Floor Corridor Beside
Client No.: J-75 **Client Description:** 24"x48" Dotted Ceiling Tile Room 435
Percent Asbestos: Percent Non-Asbestos Fibrous Material: **Facility:**
None Detected 40 Cellulose Percent Non-Fibrous Material:
15 Fibrous Glass 45

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/25/2023
Date Analyzed: 02/01/2023
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 2/1/2023
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Project: Jones Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7559058 **Analyst Observation:** Tan Ceiling Tile **Location:** Fourth Floor Corridor Beside
Client No.: J-76 **Client Description:** 24"x48" Fissure Ceiling Tile Kitchen
Facility:
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 40 Cellulose 45
15 Fibrous Glass


Lab No.: 7559059 **Analyst Observation:** Tan Ceiling Tile **Location:** Fourth Floor Corridor Beside
Client No.: J-77 **Client Description:** 24"x48" Fissure Ceiling Tile Room 402
Facility:
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 35 Cellulose 50
15 Fibrous Glass

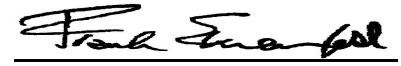
Lab No.: 7559060 **Analyst Observation:** Tan Ceiling Tile **Location:** Fourth Floor Corridor Beside
Client No.: J-78 **Client Description:** 24"x48" Fissure Ceiling Tile Room 422
Facility:
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 35 Cellulose 50
15 Fibrous Glass

Lab No.: 7559061 **Analyst Observation:** Tan Ceiling Tile **Location:** Fourth Floor Corridor Beside
Client No.: J-79 **Client Description:** 24"x48" Fissure Ceiling Tile Room 412
Facility:
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 35 Cellulose 50
15 Fibrous Glass

Lab No.: 7559062 **Analyst Observation:** Tan Ceiling Tile **Location:** Fourth Floor Corridor Beside
Client No.: J-80 **Client Description:** 24"x48" Dotted Ceiling Tile Room 421
Facility:
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 35 Cellulose 50
15 Fibrous Glass

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Date Received: 1/25/2023
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Analyst: Ellen Smith

Approved By: 
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Laboratory Director

CERTIFICATE OF ANALYSIS

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20 Duke St., Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 2/1/2023
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Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7559063
Client No.: J-81

Analyst Observation: Off-White Joint Compound
Client Description: Drywall Joint Compound

Location: Fourth Level Corridor Beside Room 408

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Facility:
Percent Non-Fibrous Material:
100

Note: No drywall present.

Lab No.: 7559064
Client No.: J-82

Analyst Observation: Off-White Joint Compound
Client Description: Drywall Joint Compound

Location: Fourth Level Corridor Beside Room 424

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Facility:
Percent Non-Fibrous Material:
100

Note: No drywall present.

Lab No.: 7559065
Client No.: J-83

Analyst Observation: Off-White Joint Compound
Client Description: Drywall Joint Compound

Location: Fourth Level Corridor Beside Room 411

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Facility:
Percent Non-Fibrous Material:
100

Note: No drywall present.

Lab No.: 7559066
Client No.: J-84

Analyst Observation: Off-White Joint Compound
Client Description: Drywall Joint Compound

Location: Fourth Level Corridor Beside Room 414

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Facility:
Percent Non-Fibrous Material:
100

Note: No drywall present.

Lab No.: 7559067
Client No.: J-85

Analyst Observation: Lt Tan Plaster
Client Description: Plaster Wall


Location: Fourth Floor Beside Elevators


Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

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Date Received: 1/25/2023
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Analyst: Ellen Smith

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Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 2/1/2023
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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7559068 **Analyst Observation:** Lt Tan Plaster
Client No.: J-86 **Client Description:** Plaster Wall **Location:** Fourth Floor Beside Elevators
Facility:
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected None Detected 100

Lab No.: 7559069 **Analyst Observation:** Pink Floor Tile
Client No.: J-87 **Client Description:** 12"x12" Pink Floor Tile **Location:** Fourth Floor Kitchen
Facility:
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected None Detected 100

Lab No.: 7559069(L2) **Analyst Observation:** Black Mastic
Client No.: J-87 **Client Description:** 12"x12" Pink Floor Tile **Location:** Fourth Floor Kitchen
Facility:
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 1 Cellulose 99

Lab No.: 7559070 **Analyst Observation:** Off-White Joint Compound
Client No.: J-88 **Client Description:** Drywall Joint Compound **Location:** Fourth Level Corridor Beside
Room 106
Facility:
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected None Detected 100

Note: No drywall present.

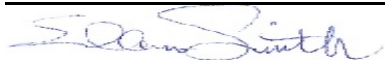
Lab No.: 7559071 **Analyst Observation:** Off-White Joint Compound
Client No.: J-89 **Client Description:** Drywall Joint Compound **Location:** Fifth Level Corridor Beside
Room 512
Facility:
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected None Detected 100


Note: No drywall present.

Lab No.: 7559072 **Analyst Observation:** Off-White Joint Compound
Client No.: J-90 **Client Description:** Drywall Joint Compound **Location:** Fifth Level Corridor Beside
Kitchen
Facility:
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected None Detected 100

Note: No drywall present.

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/25/2023
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Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 2/1/2023
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Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7559073
Client No.: J-91

Analyst Observation: Off-White Joint Compound
Client Description: Drywall Joint Compound

Location: Fifth Level Corridor Beside Room 536
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Note: No drywall present.

Lab No.: 7559074
Client No.: J-92

Analyst Observation: Off-White Joint Compound
Client Description: Drywall Joint Compound

Location: Fifth Level Corridor Beside Room 534
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Note: No drywall present.

Lab No.: 7559075
Client No.: J-93

Analyst Observation: Tan Ceiling Tile
Client Description: 24"x48" Fissure Ceiling Tile

Location: Fifth Floor Corridor Beside Room 533
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
35 Cellulose
15 Fibrous Glass

Percent Non-Fibrous Material:
50

Lab No.: 7559076
Client No.: J-94

Analyst Observation: Tan Ceiling Tile
Client Description: 24"x48" Fissure Ceiling Tile

Location: Fifth Floor Corridor Beside Room 530
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
40 Cellulose
15 Fibrous Glass

Percent Non-Fibrous Material:
45

Lab No.: 7559077
Client No.: J-95

Analyst Observation: Tan Ceiling Tile
Client Description: 24"x48" Fissure Ceiling Tile


Location: Fifth Floor Corridor Beside Room 511
Facility:

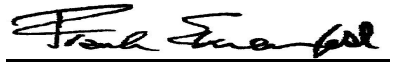
Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
35 Cellulose
15 Fibrous Glass

Percent Non-Fibrous Material:
50

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/25/2023
Date Analyzed: 02/01/2023
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 2/1/2023
Report No.: 676974 - PLM
Project: Jones Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7559078 **Analyst Observation:** Tan Ceiling Tile **Location:** Fifth Floor Corridor Beside
Client No.: J-96 **Client Description:** 24"x48" Fissure Ceiling Tile Kitchen
Facility:
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 40 Cellulose 45
15 Fibrous Glass

Lab No.: 7559079 **Analyst Observation:** Lt Tan Plaster **Location:** Fifth Floor Beside Elevators
Client No.: J-97 **Client Description:** Plaster Wall **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
PC Trace Chrysotile None Detected 100


Lab No.: 7559080 **Analyst Observation:** Lt Tan Plaster **Location:** Fifth Floor Beside Elevators
Client No.: J-98 **Client Description:** Plaster Wall **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
PC Trace Chrysotile None Detected 100

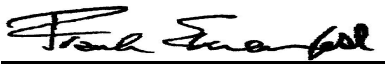
Lab No.: 7559081 **Analyst Observation:** Tan Ceiling Tile **Location:** Fifth Floor Room 500B
Client No.: J-99 **Client Description:** 24"x48" Fissure Dotted Ceiling Tile **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 35 Cellulose 50
15 Fibrous Glass

Lab No.: 7559082 **Analyst Observation:** Tan Ceiling Tile **Location:** Fifth Floor Room 500B
Client No.: J-100 **Client Description:** 24"x48" Fissure Dotted Ceiling Tile **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 35 Cellulose 50
15 Fibrous Glass

Lab No.: 7559083 **Analyst Observation:** White Insulation **Location:** Fifth Level Corridor Outside
Client No.: J-101 **Client Description:** Spray Proof Fire Insulation Room 534
Facility:
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
PC 0.25 Chrysotile 70 Fibrous Glass 28.75
1 Cellulose

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/25/2023
Date Analyzed: 02/01/2023
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Report Date: 2/1/2023
Report No.: 676974 - PLM
Project: Jones Bldg
Project No.: PE22400

Client: ALL131

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7559084
Client No.: J-102

Analyst Observation: Green Floor Tile
Client Description: 12"x12" Pink Floor Tile

Location: Fifth Floor Kitchen
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7559084(L2)
Client No.: J-102

Analyst Observation: Tan Mastic
Client Description: 12"x12" Pink Floor Tile

Location: Fifth Floor Kitchen
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/25/2023
Date Analyzed: 02/01/2023
Signature:
Analyst: Ellen Smith

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Report Date: 2/1/2023
Report No.: 676974 - PLM
Project: Jones Bldg
Project No.: PE22400

Client: ALL131

Appendix to Analytical Report

Customer Contact:

Method: 40 CFR Appendix E to Subpart E of Part 763, interim method for the Determination of Asbestos in Bulk Insulation Samples, USEPA 600, R93-116 and NYSDOH ELAP 198.1 as needed.

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com

iATL Office Manager: wchampion@iatl.com

iATL Account Representative: Semih Kocahasan

Sample Login Notes: See Batch Sheet Attached

Sample Matrix: Bulk Building Materials

Exceptions Noted: See Following Pages

General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and in our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA LAP LLC, or any agency of local, state or province governments nor of any agency of the U.S. government.

This report shall not be reproduced except in full, without written approval of the laboratory.

Information Pertinent to this Report:

Analysis by US EPA 600 93-116: Determination of Asbestos in Bulk Building Materials by Polarized Light Microscopy (PLM).

Certifications:

- NIST-NVLAP No. 101165-0
- NYSDOH-ELAP No. 11021
- AIHA-LAP, LLC No. 100188

Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. PC Trace represents a <0.25% amount. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analytical Methodology Alternatives: Your initial request for analysis may not have accounted for recent advances in regulatory requirements or advances in technology that are routinely used in similar situations for other qualified projects. You may have the option to explore additional analysis for further information. Below are a few options, listed as the matrix followed by the appropriate methodology. Also included are links to more information on our website.

Bulk Building Materials that are Non-Friable Organically Bound (NOB) by Gravimetric Reduction techniques employing PLM and TEM: ELAP 198.6 (PLM-NOB), ELAP 198.4 (TEM-NOB) See additional information at the end of this appendix.

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Report Date: 2/1/2023
Report No.: 676974 - PLM
Project: Jones Bldg
Project No.: PE22400

Client: ALL131

Loose Fill Vermiculite Insulation, Attic Insulation, Zonolite (copyright), etc.: US EPA 600 R-4/004 (multi-tiered analytical process)
Sprayed On Insulation/Fireproofing with Vermiculite (SOF-V): ELAP 198.8 (PLM-SOF-V)

Soil, sludge, sediment, aggregate, and like materials analyzed for asbestos or other elongated mineral particles (ex. erionite, etc.): ASTM D7521, CARB 435, and other options available

Asbestos in Surface Dust according to one of ASTM's Methods (very dependent on sampling collection technique – by TEM): ASTM D 5755, D5756, or D6480

Various other asbestos matrices (air, water, etc.) and analytical methods are available.

Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a list with highlighted disclaimers that may be pertinent to this project. For a full explanation of these and other disclaimers, please inquire at customerservice@iatl.com.

- 1) Note: No mastic provided for analysis.
- 2) Note: Insufficient mastic provided for analysis.
- 3) Note: Insufficient material provided for analysis.
- 4) Note: Insufficient sample provided for QC reanalysis.
- 5) Note: Different material than indicated on Sample Log / Description.
- 6) Note: Sample not submitted.
- 7) Note: Attached to asbestos containing material.
- 8) Note: Received wet.
- 9) Note: Possible surface contamination.
- 10) Note: Not building material. 1% threshold may not apply.
- 11) Note: Recommend TEM-NOB analysis as per EPA recommendations.
- 12) Note: Asbestos detected but not quantifiable.
- 13) Note: Multiple identical samples submitted, only one analyzed.
- 14) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.080%.
- 15) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.125%.
- 16) Note: This sample contains >10% vermiculite mineral. See Appendix for Recommendations for Vermiculite Analysis.

Recommendations for Vermiculite Analysis:

Several analytical protocols exist for the analysis of asbestos in vermiculite. These analytical approaches vary depending upon the nature of the vermiculite mineral being tested (e.g. un-processed gange, homogeneous exfoliated books of mica, or mixed mineral composites). Please contact your client representative for pricing and turnaround time options available.

iATL recommends initial testing using the EPA 600/R-93/116 method. This method is specifically designed for the analysis of asbestos in bulk building materials. It provides an acceptable starting point for primary screening of vermiculite for possible asbestos.

Results from this testing may be inconclusive. EPA suggests proceeding to a multi-tiered analysis involving wet separation techniques in conjunction with PLM and TEM gravimetric analysis (EPA 600/R-04/004).

For New York State customers, NYSDOH requires disclaimers and qualifiers for various vermiculite containing samples that direct analysis via ELAP198.6 and ELAP198.8 for samples that contain >10% vermiculite mineral where ELAP198.6 may be used to evaluate the asbestos content of the material. However, any test result using ELAP198.6 will be reported with the following disclaimer: "ELAP198.6 method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing >10% vermiculite."

Further information on this method and other vermiculite and asbestos issues can be found at the following: Agency for Toxic Substances and Disease Registry (ATSDR) www.atsdr.cdc.gov, United States Geological Survey (USGS) www.minerals.usgs.gov/minerals/, US EPA www.epa.gov/asbestos. The USEPA also has an informative brochure "Current Best Practices for Vermiculite Attic Insulation" EPA 747F03001 May 2003, that may assist the health and remediation professional. NYS customers please follow current NYSDOH ELAP requirements per policy on subject of surfacing and vermiculite, May 6, 2016, Testing Requirements for Surfacing Material Containing Vermiculite (https://www.wadsworth.org/sites/default/files/WebDoc/I198_8_02_2.pdf)

The following is a summary of the analytical process outlines in the EPA 600/R-04/004 Method:

- 1) **Analytical Step/Method:** Initial Screening by PLM, EPA 600R-93/116
Requirements/Comments: Minimum of 0.1 g of sample. ~0.25% for most samples.

CERTIFICATE OF ANALYSIS

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Bedford NS B4A 2Z5

Report Date: 2/1/2023
Report No.: 676974 - PLM
Project: Jones Bldg
Project No.: PE22400

Client: ALL131

2) **Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Sinks" only.

3) **Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Floats" only.

4) **Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Sinks" only.

5) **Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Suspension" only.

*With advance notice and confirmation by the laboratory.

**Approximately 1 Liter of sample in double-bagged container (~9x6 inch bag of sample).

New York State Department of Health requires that samples originating from NYS that they categorize as Non-friable Organically Bound materials can only be confirmed as None Detected for asbestos by method 198.4. See the table below for a list of those materials. (ENVIRONMENTAL LABORATORY APPROVAL PROGRAM CERTIFICATION MANUAL - ITEM No. 198.1, Revision Date 5/6/16)

*Asphalt Shingles, Caulking, Ceiling Tiles with Cellulose, Duct Wrap, Glazing, Mastic, Paint Chips, Resilient Floor Tiles, Rubberized Asbestos Gaskets, Siding Shingles, Vinyl Asbestos Tile, NOB materials (other than SM-V) with <10% vermiculite, Any material (Friable or NOB other than SM-V) with >10% vermiculite.

Statistically derived uncertainty with any measure should be taken into consideration when reviewing and interpreting all reported data and results. A more comprehensive listing of accuracy, precision, and uncertainty as it impacts this method is available upon request.

APPENDIX II

Laboratory Certificate of Analysis – Lead Paint Samples

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 2/1/2023
Report No.: 676958 - Lead Paint
Project: Jones Bldg
Project No.: PE22400

LEAD PAINT SAMPLE ANALYSIS SUMMARY

Lab No.: 7558779 **Description:** White Wall Paint **Result (% by Weight):** <0.0051
Client No.: JP-01 **Location:** Basement Room Beside Back Stairway **Result (ppm):** <51
Comments:

Lab No.: 7558780 **Description:** Grey Door Paint **Result (% by Weight):** 0.22
Client No.: JP-02 **Location:** Basement Room 46 **Result (ppm):** 2200
Comments: * **

Lab No.: 7558781 **Description:** Grey Floor Paint **Result (% by Weight):** 0.057
Client No.: JP-03 **Location:** Basement Mechanical Room **Result (ppm):** 570
Comments:

Lab No.: 7558782 **Description:** Cream Door Trim Paint **Result (% by Weight):** 0.12
Client No.: JP-04 **Location:** Basement Door Leading To Front Stairway **Result (ppm):** 1200
Comments:

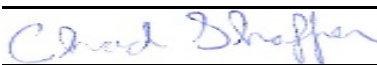
Lab No.: 7558783 **Description:** Pink Décor Paint **Result (% by Weight):** <0.0099
Client No.: JP-05 **Location:** Basement Corridor 29A **Result (ppm):** <99
Comments: ***

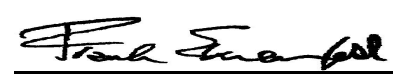
Lab No.: 7558784 **Description:** Cream Floor Paint **Result (% by Weight):** 0.028
Client No.: JP-06 **Location:** Basement Room 31 **Result (ppm):** 280
Comments:

Lab No.: 7558785 **Description:** Grey Paint **Result (% by Weight):** 0.022
Client No.: JP-07 **Location:** Basement Near Room 36 **Result (ppm):** 220
Comments:

Lab No.: 7558786 **Description:** Yellow Paint **Result (% by Weight):** <0.0048
Client No.: JP-08 **Location:** 1st Floor Room 117 **Result (ppm):** <48
Comments:

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/25/2023
Date Analyzed: 02/01/2023
Signature: 
Analyst: Chad Shaffer

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 2/1/2023
Report No.: 676958 - Lead Paint
Project: Jones Bldg
Project No.: PE22400

LEAD PAINT SAMPLE ANALYSIS SUMMARY

Lab No.: 7558787 Client No.: JP-09	Description: Grey Door Paint Location: 1st Floor Corridor Outside Room 136	Result (% by Weight): <0.011 Result (ppm): <110 Comments: * * * *
Lab No.: 7558788 Client No.: JP-10	Description: White Wall Paint Location: 1st Floor Corridor Outside Room 110	Result (% by Weight): <0.0074 Result (ppm): <74 Comments:
Lab No.: 7558789 Client No.: JP-11	Description: Grey Wall Paint Location: 2nd Floor Corridor Outside Room 220	Result (% by Weight): <0.0079 Result (ppm): <79 Comments:
Lab No.: 7558790 Client No.: JP-12	Description: Grey Door Trim Paint Location: 2nd Floor Corridor Outside Room 236	Result (% by Weight): <Void Result (ppm): <Void Comments: **
Lab No.: 7558791 Client No.: JP-13	Description: Yellow Paint Location: 3rd Floor Room 319	Result (% by Weight): <0.012 Result (ppm): <120 Comments: *
Lab No.: 7558792 Client No.: JP-14	Description: Dark Grey Paint Location: 3rd Floor Corridor Outside Room 307	Result (% by Weight): <0.015 Result (ppm): <150 Comments: * * * *
Lab No.: 7558793 Client No.: JP-15	Description: Light Grey Door Trim Paint Location: 3rd Floor Corridor Outside Room 336	Result (% by Weight): <0.020 Result (ppm): <200 Comments: * * * *
Lab No.: 7558794 Client No.: JP-16	Description: Cream Color Wall Paint Location: 4th Floor Room Beside Kitchen	Result (% by Weight): <0.019 Result (ppm): <190 Comments: * * * *

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/25/2023
Date Analyzed: 02/01/2023
Signature:
Analyst: Chad Shaffer

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Report Date: 2/1/2023
Report No.: 676958 - Lead Paint
Project: Jones Bldg
Project No.: PE22400

Client: ALL131

LEAD PAINT SAMPLE ANALYSIS SUMMARY

Lab No.: 7558795
Client No.: JP-17

Description: Dark Grey Door Paint
Location: 4th Floor Room 422

Result (% by Weight): <0.016
Result (ppm): <160
Comments: * * * *

Lab No.: 7558796
Client No.: JP-18

Description: Green Wall Paint
Location: 4th Floor Room 400

Result (% by Weight): <0.0049
Result (ppm): <49
Comments: * * * *

Lab No.: 7558797
Client No.: JP-19

Description: Dark Grey Door Paint
Location: 5th Floor Room 509

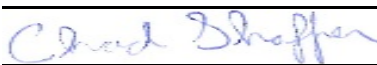
Result (% by Weight): <0.0094
Result (ppm): <94
Comments: * * * *

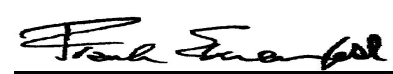
Lab No.: 7558798
Client No.: JP-20

Description: White Door Paint
Location: 5th Floor Corridor Outside Room 509

Result (% by Weight): <Void
Result (ppm): <Void
Comments: * * *

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/25/2023
Date Analyzed: 02/01/2023
Signature: 
Analyst: Chad Shaffer

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Report Date: 2/1/2023
Report No.: 676958 - Lead Paint
Project: Jones Bldg
Project No.: PE22400

Client: ALL131

Appendix to Analytical Report:

Customer Contact:

Method: ASTM D3335-85a, US EPA SW846 3050B:7000B

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com

iATL Office Manager: wchampion@iatl.com

iATL Account Representative: Semih Kocahasan

Sample Login Notes: See Batch Sheet Attached

Sample Matrix: Paint

Exceptions Noted: See Following Pages

General Terms, Warrants, Limits, Qualifiers:

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Information Pertinent to this Report:

Analysis by ASTM D3335-85a by AAS

Certification:

- National Lead Laboratory Program (NLLAP): AIHA-LAP, LLC No. 100188

- NYSDOH-ELAP No. 11021

This report meets the standards set forth in the EPA's National Lead Laboratory Accreditation Program (NLLAP) through the Laboratory Quality System Requirements (LQSR) Revision 3.0 November 5, 2007. All Environmental Lead Proficiency Analytical Testing (ELPAT) is through the AIHA-PAT established program.

Regulatory limit is 0.5% lead by weight (EPA/HUD guidelines). Recommend multiple sampling for all samples less than regulatory limit for confirmation. All results are based on the samples as received at the lab. iATL assumes that appropriate sampling methods have been used and that the data upon which these results are based have been accurately supplied by the client.

Method Detection Limit (MDL) per EPA Method 40CFR Part 136 Appendix B.

Reporting Limit (RL) based upon Lowest Standard Determined (LSD) in accordance with AIHA-ELLAP policies.

LSD=0.2 ppm MDL=0.006% by weight. RL= 0.010% by weight (based upon 100 mg sampled).

Disclaimers / Qualifiers:

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CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Report Date: 2/1/2023
Report No.: 676958 - Lead Paint
Project: Jones Bldg
Project No.: PE22400

Client: ALL131

- * Insufficient sample provided to perform QC reanalysis (<200 mg)
- ** Not enough sample provided to analyze (<50 mg)
- *** Matrix / substrate interference possible.

< less than sign, signifies none-detected below the empirical value based upon sub-sampled mass. This is often below the Reporting Limit (see above).

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Report Date: 4/10/2023
Report No.: 681075 - Lead Paint
Project: Jones Bldg
Project No.: PE22400

Client: ALL131

LEAD PAINT SAMPLE ANALYSIS SUMMARY

Lab No.: 7595952
Client No.: JP-20

Description: White Door Paint
Location: 5th Floor Corridor Outside Room 509


Result (% by Weight): 0.024
Result (ppm): 240
Comments: *


Lab No.: 7595953
Client No.: JP-12

Description: Grey Door Trim Paint
Location: 2nd Floor Corridor Outside Room 236

Result (% by Weight): <0.011
Result (ppm): <110
Comments: *

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 4/4/2023
Date Analyzed: 04/10/2023
Signature: 
Analyst: Chad Shaffer

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Report Date: 4/10/2023
Report No.: 681075 - Lead Paint
Project: Jones Bldg
Project No.: PE22400

Client: ALL131

Appendix to Analytical Report:

Customer Contact:

Method: ASTM D3335-85a, US EPA SW846 3050B:7000B

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iATL Account Representative: Semih Kocahasan

Sample Login Notes: See Batch Sheet Attached

Sample Matrix: Paint

Exceptions Noted: See Following Pages

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General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and in our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA LAP LLC, or any agency of local, state or province governments nor of any agency of the U.S. government.

This report shall not be reproduced except in full, without written approval of the laboratory.

Information Pertinent to this Report:

Analysis by ASTM D3335-85a by AAS

Certification:

- National Lead Laboratory Program (NLLAP): AIHA-LAP, LLC No. 100188

- NYSDOH-ELAP No. 11021

This report meets the standards set forth in the EPA's National Lead Laboratory Accreditation Program (NLLAP) through the Laboratory Quality System Requirements (LQSR) Revision 3.0 November 5, 2007. All Environmental Lead Proficiency Analytical Testing (ELPAT) is through the AIHA-PAT established program.

Regulatory limit is 0.5% lead by weight (EPA/HUD guidelines). Recommend multiple sampling for all samples less than regulatory limit for confirmation. All results are based on the samples as received at the lab. iATL assumes that appropriate sampling methods have been used and that the data upon which these results are based have been accurately supplied by the client.

Method Detection Limit (MDL) per EPA Method 40CFR Part 136 Appendix B.

Reporting Limit (RL) based upon Lowest Standard Determined (LSD) in accordance with AIHA-ELLAP policies.

LSD=0.2 ppm MDL=0.006% by weight. RL= 0.010% by weight (based upon 100 mg sampled).

Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a complete list with highlighted disclaimers pertinent to this project. For a full explanation of these and other disclaimers, please inquire at customerservice@iatl.com.

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Report Date: 4/10/2023
Report No.: 681075 - Lead Paint
Project: Jones Bldg
Project No.: PE22400

Client: ALL131

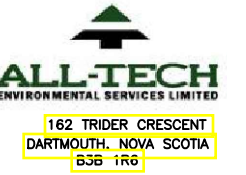
- * Insufficient sample provided to perform QC reanalysis (<200 mg)
- ** Not enough sample provided to analyze (<50 mg)
- *** Matrix / substrate interference possible.

< less than sign, signifies none-detected below the empirical value based upon sub-sampled mass. This is often below the Reporting Limit (see above).

APPENDIX III

Site Drawings with sample locations and ACM locations

ASBESTOS SURVEY BY



ASBESTOS LEGEND

- = CEILING
- = FLOOR
- = CEILING AND FLOOR
- = UNSURVEYED AREA
- = APPLIANCE
- = MECHANICAL
- = PIPE MATERIAL
- = DUCT WORK
- = ELECTRICAL
- = ACM WALL
- = LEAD PAINT WALL

- = SAMPLE NUMBER ASBESTOS DETECTED
- = SAMPLE NUMBER NO ASBESTOS DETECTED
- = SAMPLE NUMBER LEAD DETECTED
- = SAMPLE NUMBER NO LEAD DETECTED

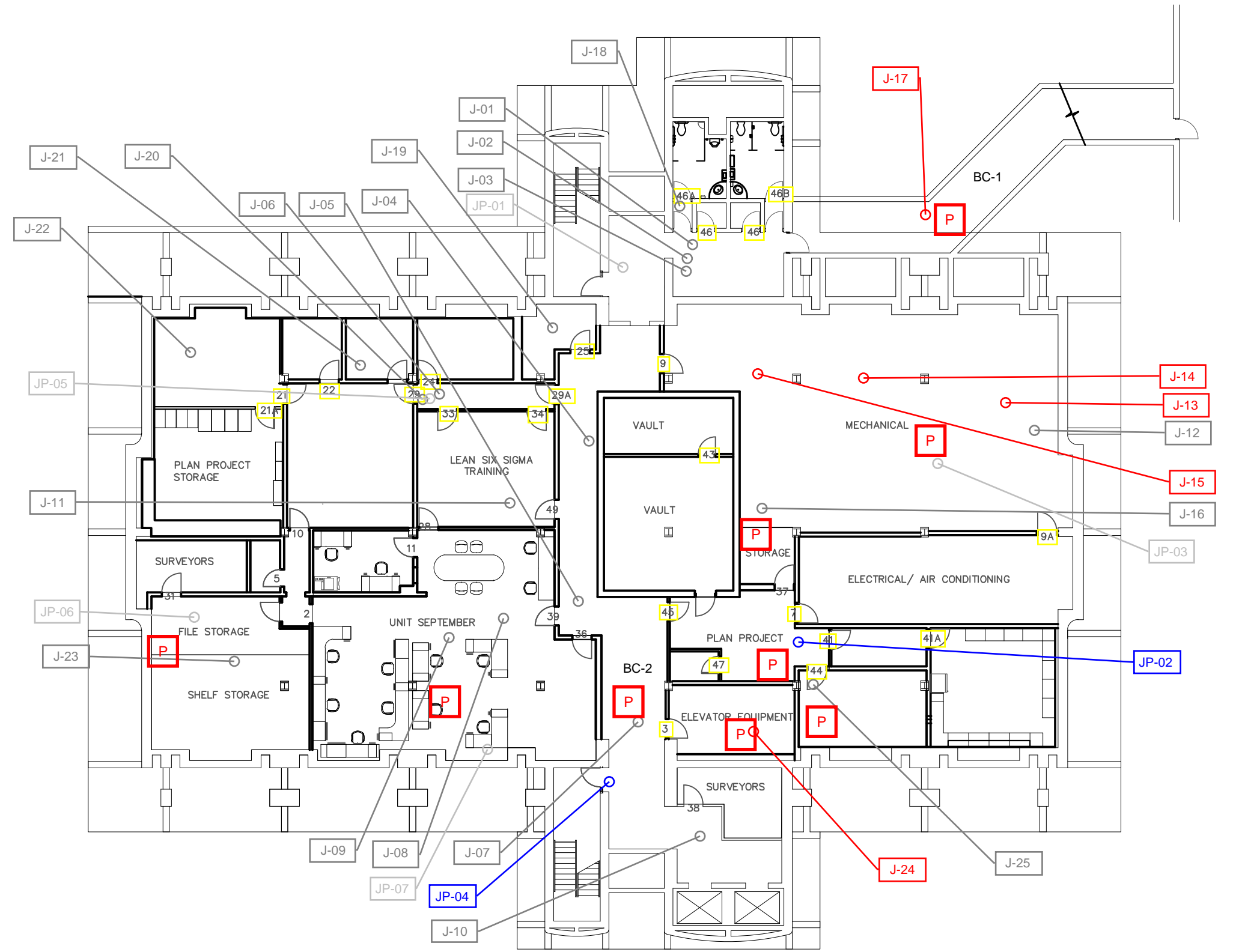
PE22400
 JONES BUILDING
 11 KENT ST
 CHARLOTTETOWN, PEI

JONES BUILDING
 BASEMENT FLOOR

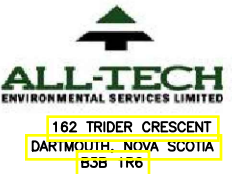
Design: LK
 Date: FEB_2023
 Drawn: AJH
 Date: MAR_2023

NOTE:
 THIS DRAWING SHOULD BE USED FOR REFERENCE PURPOSES ONLY REFER TO THE ASBESTOS AND LEAD SURVEYS FOR THE ROOM BY ROOM DATE FOR SPECIFIC DETAILS

Scale: 1 OF 6
 Scale: NOT TO SCALE
 Revisions: _____ Date: _____



ASBESTOS SURVEY BY



ASBESTOS LEGEND

- = CEILING
- = FLOOR
- = CEILING AND FLOOR
- = UNSURVEYED AREA
- = APPLIANCE
- = MECHANICAL
- = PIPE MATERIAL
- = DUCT WORK
- = ELECTRICAL
- = ACM WALL
- = LEAD PAINT WALL
- = SAMPLE NUMBER ASBESTOS DETECTED
- = SAMPLE NUMBER NO ASBESTOS DETECTED
- = SAMPLE NUMBER LEAD DETECTED
- = SAMPLE NUMBER NO LEAD DETECTED

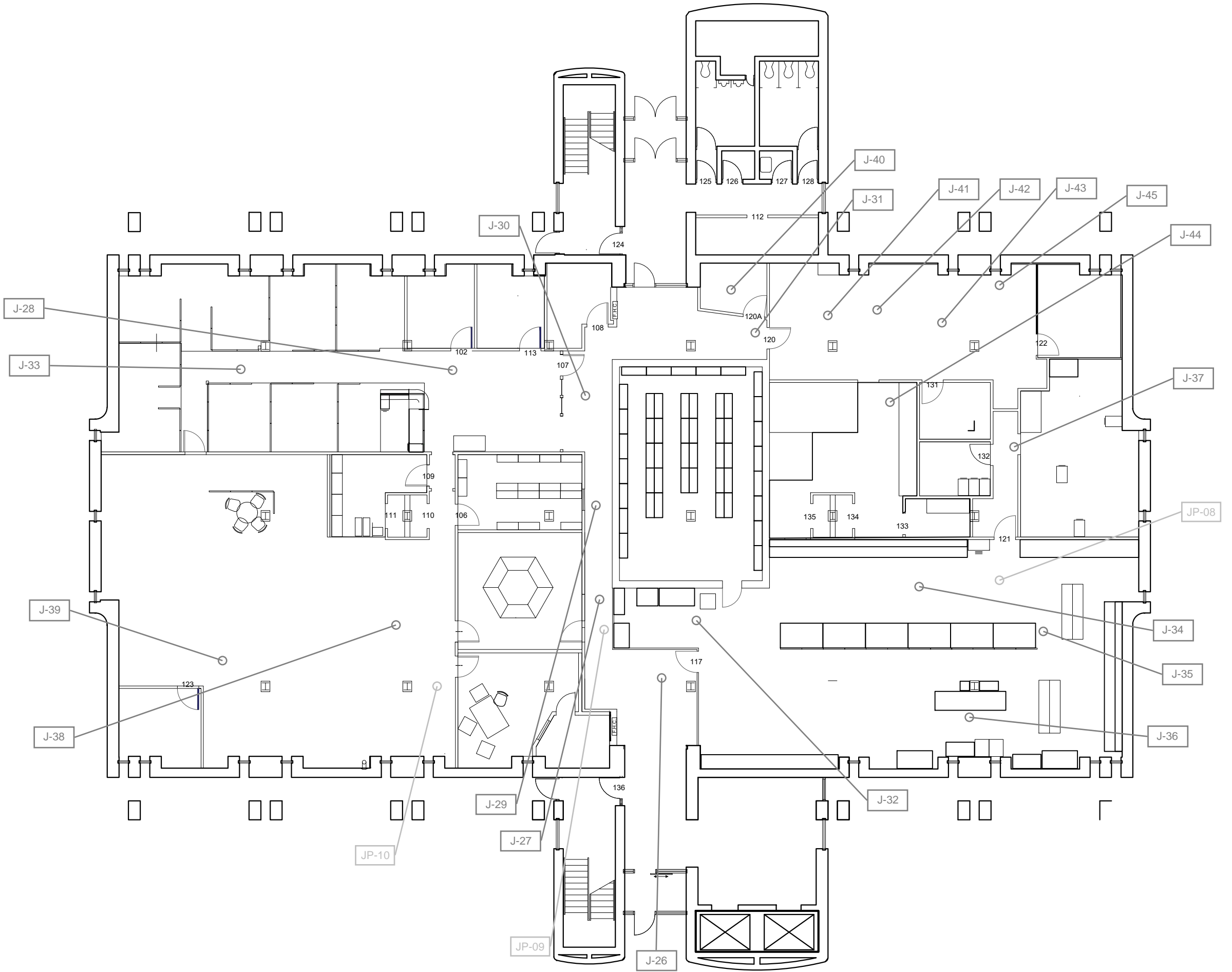
PE22400
 JONES BUILDING
 11 KENT ST
 CHARLOTTETOWN, PEI

JONES BUILDING
 1ST FLOOR

Design: LK
 Date: FEB_2023
 Drawn: AJH
 Date: MAR_2023

NOTE:
 THIS DRAWING SHOULD BE USED FOR REFERENCE PURPOSES ONLY REFER TO THE ASBESTOS AND LEAD SURVEYS FOR THE ROOM BY ROOM DATE FOR SPECIFIC DETAILS

Scale: 2 OF 6
 Scale: NOT TO SCALE



ASBESTOS SURVEY BY



ASBESTOS LEGEND

- = CEILING
- = FLOOR
- = CEILING AND FLOOR
- = UNSURVEYED AREA
- = APPLIANCE
- = MECHANICAL
- = PIPE MATERIAL
- = DUCT WORK
- = ELECTRICAL
- = ACM WALL
- = LEAD PAINT WALL
- = SAMPLE NUMBER ASBESTOS DETECTED
- = SAMPLE NUMBER NO ASBESTOS DETECTED
- = SAMPLE NUMBER LEAD DETECTED
- = SAMPLE NUMBER NO LEAD DETECTED

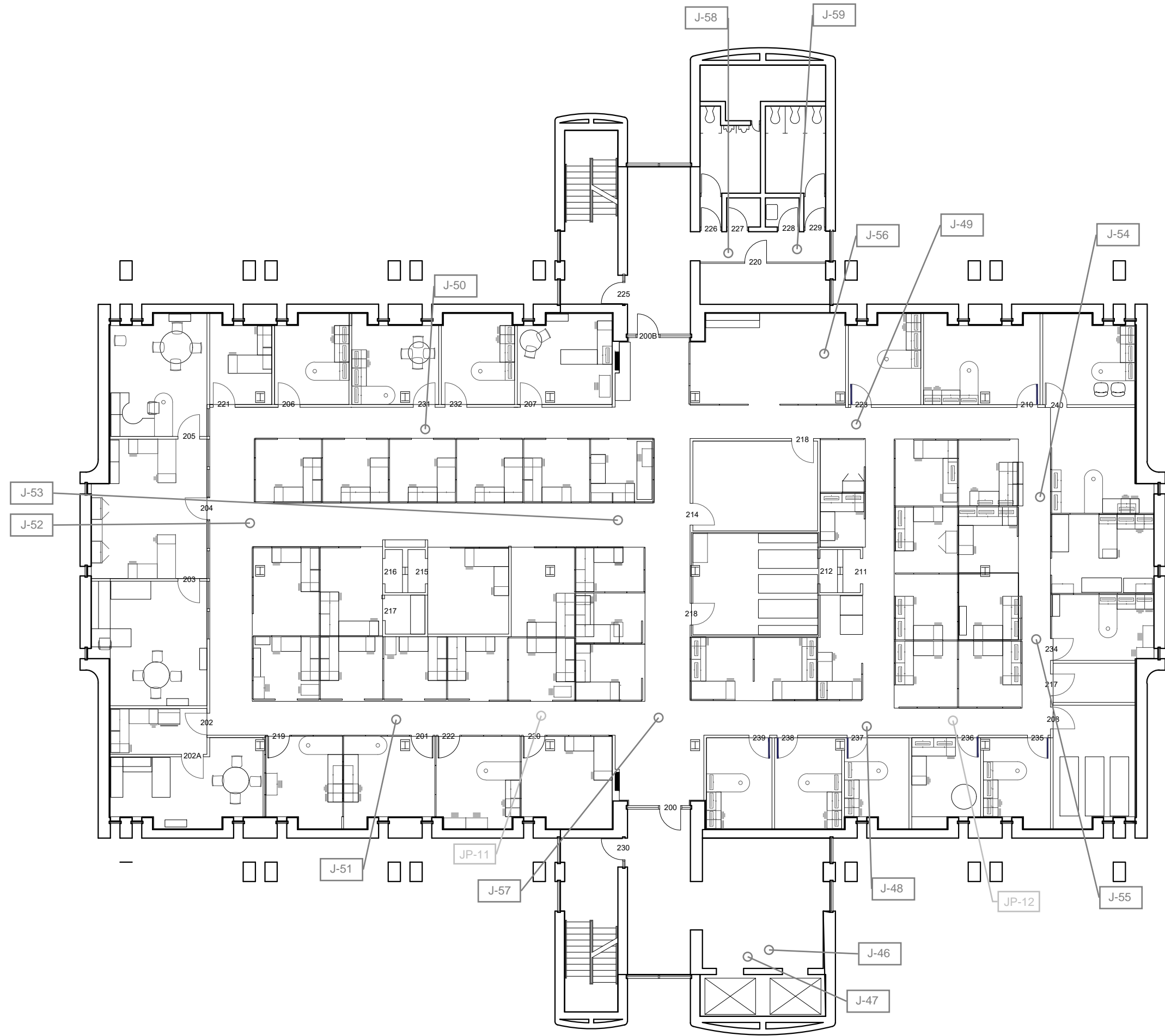
PE22400
 JONES BUILDING
 11 KENT ST
 CHARLOTTETOWN, PEI

JONES BUILDING
 2ND FLOOR

Design: LK
 Date: FEB_2023
 Drawn: AJH
 Date: MAR_2023

NOTE:
 THIS DRAWING SHOULD BE USED FOR REFERENCE PURPOSES ONLY REFER TO THE ASBESTOS AND LEAD SURVEYS FOR THE ROOM BY ROOM DATE FOR SPECIFIC DETAILS

Scale: 3 OF 6
 Scale: NOT TO SCALE



ASBESTOS SURVEY BY



ASBESTOS LEGEND

- [Green circle with grid] = CEILING
- [Blue circle with dots] = FLOOR
- [Blue circle with cross-hatch] = CEILING AND FLOOR
- [Red circle with diagonal lines] = UNSURVEYED AREA
- [Red square with 'A'] = APPLIANCE
- [Red square with 'M'] = MECHANICAL
- [Red square with 'P'] = PIPE MATERIAL
- [Red square with 'D'] = DUCT WORK
- [Red square with 'E'] = ELECTRICAL
- [Red line] = ACM WALL
- [Blue line] = LEAD PAINT WALL
- [Red box with 'J-00'] = SAMPLE NUMBER ASBESTOS DETECTED
- [Blue box with 'J-00'] = SAMPLE NUMBER NO ASBESTOS DETECTED
- [Red box with 'JP-00'] = SAMPLE NUMBER LEAD DETECTED
- [Blue box with 'JP-00'] = SAMPLE NUMBER NO LEAD DETECTED

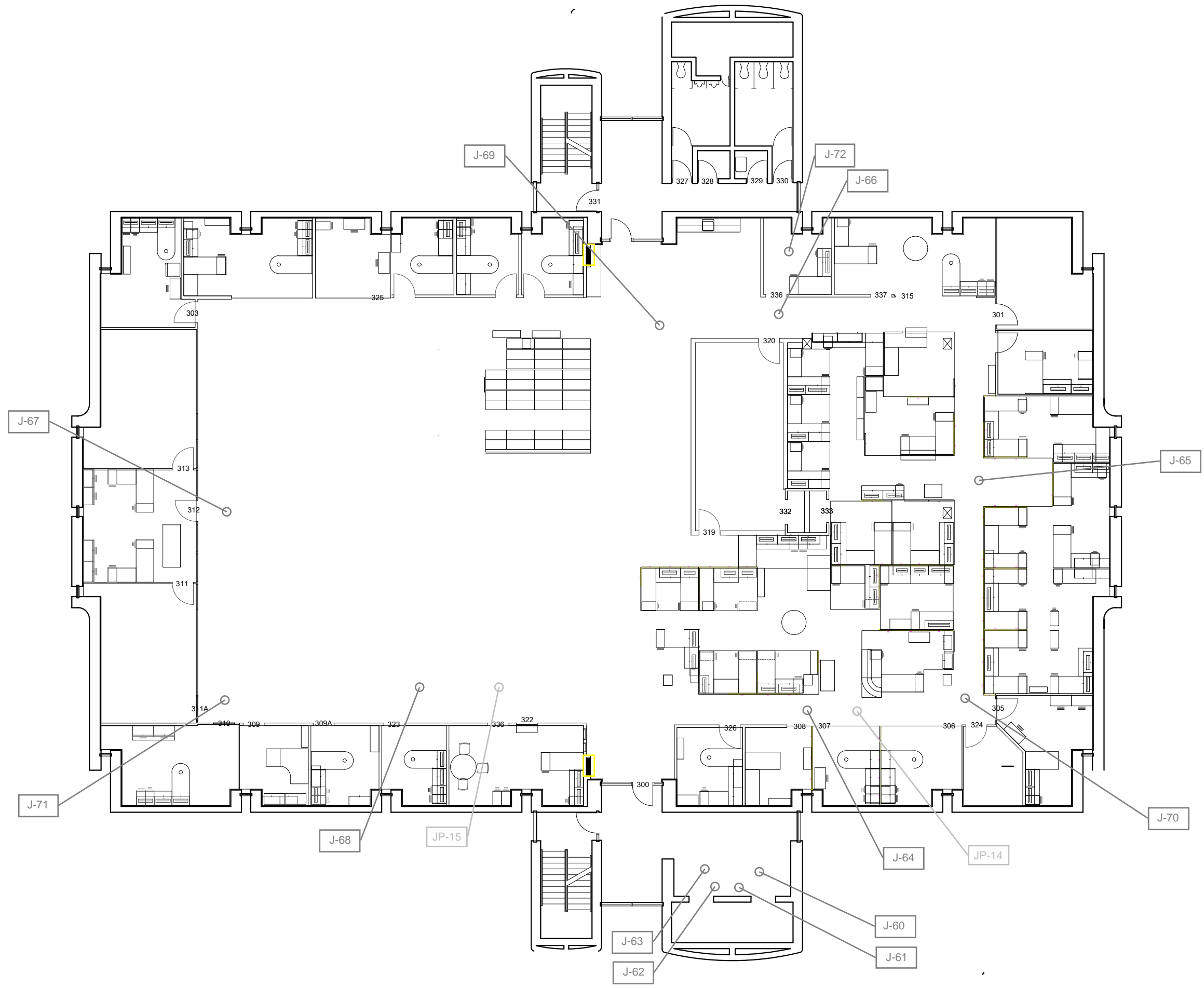
PE22400
JONES BUILDING
11 KENT ST
CHARLOTTETOWN, PEI

JONES BUILDING
3RD FLOOR

Design: LK
Date: FEB_2023
Drawn: AJH
Date: MAR_2023

NOTE:
THIS DRAWING SHOULD BE USED FOR REFERENCE PURPOSES ONLY REFER TO THE ASBESTOS AND LEAD SURVEYS FOR THE ROOM BY ROOM DATE FOR SPECIFIC DETAILS

Scale: 4 OF 6
Scale: NOT TO SCALE
Revisions: Date



ASBESTOS SURVEY BY



ASBESTOS LEGEND

- = CEILING
- = FLOOR
- = CEILING AND FLOOR
- = UNSURVEYED AREA
- = APPLIANCE
- = MECHANICAL
- = PIPE MATERIAL
- = DUCT WORK
- = ELECTRICAL
- = ACM WALL
- = LEAD PAINT WALL
- = SAMPLE NUMBER ASBESTOS DETECTED
- = SAMPLE NUMBER NO ASBESTOS DETECTED
- = SAMPLE NUMBER LEAD DETECTED
- = SAMPLE NUMBER NO LEAD DETECTED

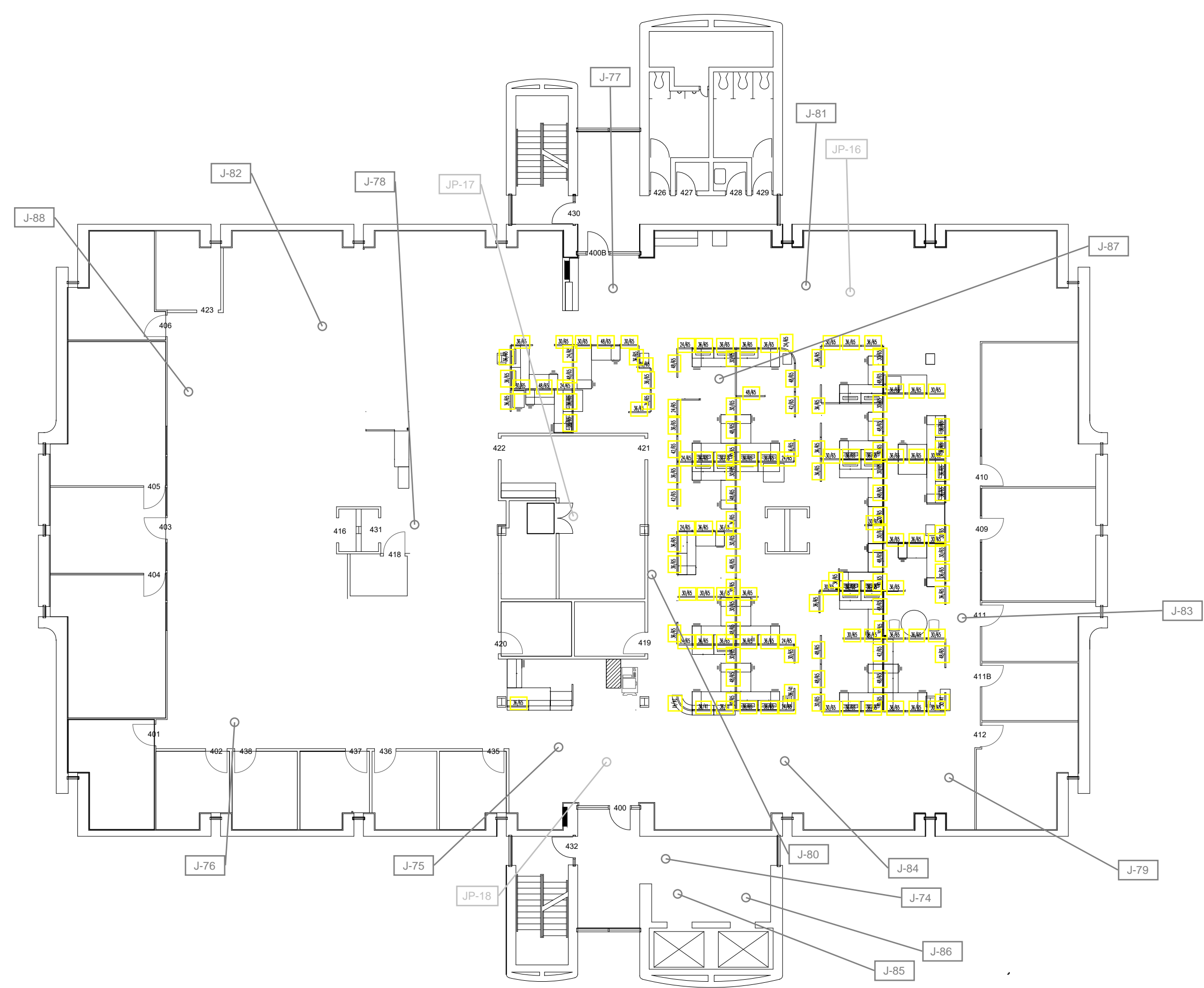
PE22400
 JONES BUILDING
 11 KENT ST
 CHARLOTTETOWN, PEI

JONES BUILDING
 4TH FLOOR

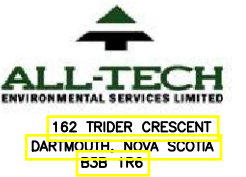
Design: LK
 Date: FEB_2023
 Drawn: AJH
 Date: MAR_2023

NOTE:
 THIS DRAWING SHOULD BE USED FOR REFERENCE PURPOSES ONLY REFER TO THE ASBESTOS AND LEAD SURVEYS FOR THE ROOM BY ROOM DATE FOR SPECIFIC DETAILS

Scale: 5 OF 6
 Scale: NOT TO SCALE



ASBESTOS SURVEY BY



ASBESTOS LEGEND

- = CEILING
- = FLOOR
- = CEILING AND FLOOR
- = UNSURVEYED AREA
- = APPLIANCE
- = MECHANICAL
- = PIPE MATERIAL
- = DUCT WORK
- = ELECTRICAL
- = ACM WALL
- = LEAD PAINT WALL
- = SAMPLE NUMBER ASBESTOS DETECTED
- = SAMPLE NUMBER NO ASBESTOS DETECTED
- = SAMPLE NUMBER LEAD DETECTED
- = SAMPLE NUMBER NO LEAD DETECTED

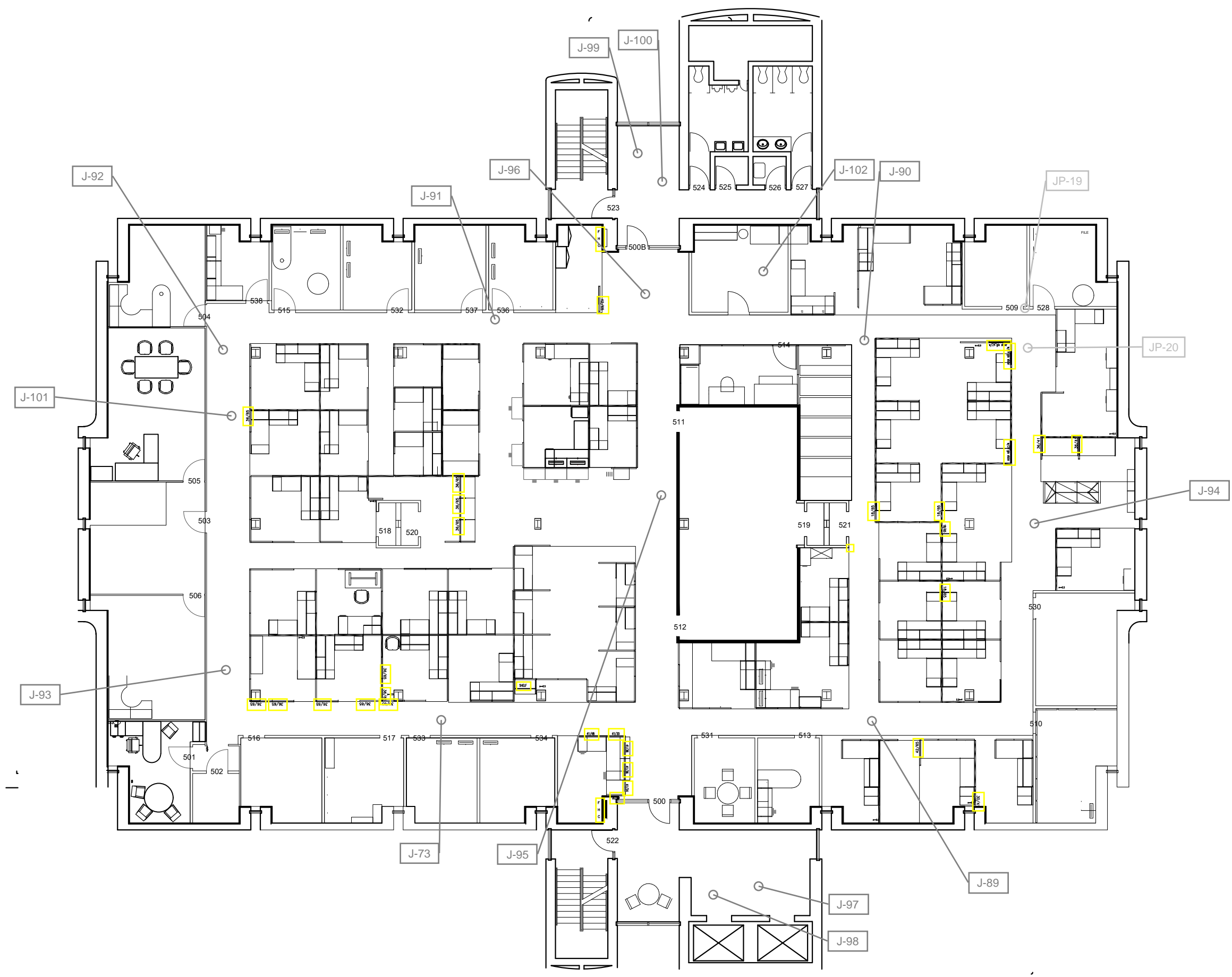
PE22400
 JONES BUILDING
 11 KENT ST
 CHARLOTTETOWN, PEI

Drawing
 Design
 JONES BUILDING
 5TH FLOOR

Design: LK
 Date: FEB_2023
 Drawn: AJH
 Date: MAR_2023

NOTE:
 THIS DRAWING SHOULD BE USED FOR REFERENCE PURPOSES ONLY REFER TO THE ASBESTOS AND LEAD SURVEYS FOR THE ROOM BY ROOM DATE FOR SPECIFIC DETAILS

Scale: 6 OF 6
 Scale: NOT TO SCALE
 Revisions: Date



APPENDIX IV

Summary of ACM conditions report

Jones Building (Basement) - Summary of ACM Conditions Report (2022)

Room No.	Description	Sample No.	Material description	Asbestos Type & Content (%)	Estimated Volume or Area	Friable (F) Non-friable (NF)	Access	Condition	Action Code (refer to legend)	Photo
3	Elevator equipment	J-24	Parging cement on pipe fittings	Chrysotile 25%	4 units	F	C	Good	5	
9	Mechanical Room	J-13; J-14; J-15	Parging cement on pipe fittings	Chrysotile 25%	18 units	F	C	Good	5	
31	File Storage	VJ-24	Parging cement on pipe fittings	Chrysotile 25%	6 units	F	C	Good	5	
37	Storage	VJ-15	Parging cement on pipe fittings	Chrysotile 25%	1 unit	F	C	Good	5	
39	Unit September	VJ-24	Parging cement on pipe fittings	Chrysotile 25%	6 units	F	C	Good	5	
44	Storage	VJ-24	Parging cement on pipe fittings	Chrysotile 25%	2 units	F	C	Good	5	
45	Plan Project	VJ-24	Parging cement on pipe fittings	Chrysotile 25%	3 units	F	C	Good	5	
BC-1	Corridor	J-17	Parging cement on pipe fittings	Chrysotile 25%	12 units	F	C	Good	5	
BC-2	Corridor	VJ-17	Parging cement on pipe fittings	Chrysotile 25%	2 units	F	C	Good	5	

Room No.	Description	Sample No.	Material description	Asbestos Type & Content (%)	Estimated Volume or Area	Friable (F) Non-friable (NF)	Access	Condition	Action Code (refer to legend)	Photo
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LEGEND

Sample Number Identifiers		Units	
J-##	actual sample number	EA	Each
VJ-##	visually identified same as this sample number	m	meters
		m2	square metres
		m3	cubic metres
		PACM	presumed asbestos containing material

ASSESSMENT CODES

ACCESS		CONDITION	
A	Accessible to all building occupants	GOOD	ACM is completely covered and/or exhibits no evidence of damage or deterioration
B	Accessible to maintenance and operations staff without a ladder	FAIR	Minor penetrating damage to ACM (cuts, tears, nicks, deterioration, or delamination).
C	Accessible to maintenance and operations staff with a ladder. Also rarely entered, locked areas	POOR	ACM is damaged, deteriorated or delaminated
D	Not normally accessible		

ACTION CODES

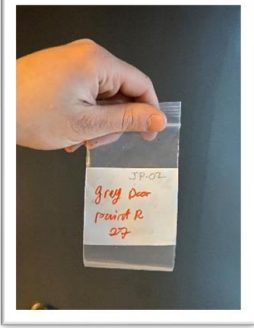

1	Immediate Clean-up of Debris that is likely to be disturbed.	4	ACM repair
2	ACM Removal required for compliance.	5	Continued management and surveillance.
3	Proactive ACM Removal.		

APPENDIX V

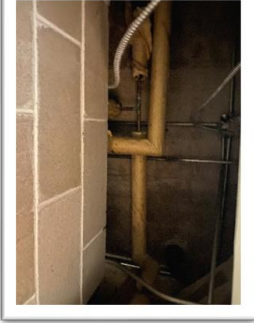
Summary of other Hazardous Materials report

Jones Building (Basement) - Summary of Hazardous Materials Report (2022)

Lead Paint

Room No.	Location	Sample No.	Paint colour / substrate	Lead Content (%)	Comments	Photo
45	Basement	JP-02	Grey paint / Door trim	0.22	All like painted trim to be treated as lead based paints	
door to stairway	Basement	JP-04	Cream colour paint / Door trim	0.12	All like painted trim to be treated as lead based paints	

Silica

Room No.	Location	Sample No.	Material	Comments	Photo
NA	Basement	NA	Concrete floors; walls and masonry		

Jones Building (1st floor) - Summary of Hazardous Materials Report (2022)

Silica

Room No.	Location	Sample No.	Material	Comments	Photo
NA	throughout	NA	Plasters; concrete walls and mortar		

Jones Building (2nd floor) - Summary of Hazardous Materials Report (2022)

Silica

Room No.	Location	Sample No.	Material	Comments	Photo
NA	throughout	NA	Plasters; concrete walls and mortar		

Jones Building (3rd floor) - Summary of Hazardous Materials Report (2022)

Silica

Room No.	Location	Sample No.	Material	Comments	Photo
NA	throughout	NA	Plasters; concrete walls and mortar		

Jones Building (4th floor) - Summary of Hazardous Materials Report (2022)

Silica

Room No.	Location	Sample No.	Material	Comments	Photo
NA	throughout	NA	Plasters; concrete walls and mortar		

Jones Building (5th floor) - Summary of Hazardous Materials Report (2022)

Silica

Room No.	Location	Sample No.	Material	Comments	Photo
NA	throughout	NA	Plasters; concrete walls and mortar		