



**HAZARDOUS MATERIALS ASSESSMENT
Sullivan Building
16 Fitzroy Street, Charlottetown, PE**

Prepared For:

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

June 8, 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 Sullivan Building located at 16 Fitzroy 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.

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 and mechanical duct systems 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. The second floor was noted for having solid ceilings with no access to the above ceilings. Therefore, based on other levels, it should be assumed that ACM's are above ceilings if any planned renovations are to be undertaken on this level as well. Also, it was noted that parging cement was not consistent of duct systems or pipe fittings. Some areas were noted having ACM parging cement on hangers, but this pattern was not consistent throughout. This was the same when duct insulation ACM parging was observed. No consistencies were noted. Therefore, care should be taken when dealing with any pipe or duct systems within the building as some ACM's may not have been identified on hidden items.

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
Sullivan Building

Hazardous Materials	Description / Comments	Safe Handling Requirements	Disposal Requirements
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
	Parging cement on mechanical duct insulation		
	Parging cement on ceiling (limited)		
	Ceiling texture coat (Penthouse)		
	9" x 9" vinyl floor tiles with black mastic under floor tiles (limited basement areas)		
	24" x 48" acoustic ceiling tiles (limited basement areas)		
	Brown mastic on metal duct seams		
LEAD PAINT	White wall paint / (Basement corridors)	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.
PCB's	- GE Gold Label 17A240N Lamp Ballasts - GE Gold Label 17A240A Lamp Ballasts - Sola Sentry and non-legible lamp ballasts.	TDG – manifest Trained personnel in the safe handling of PCB's and all other pertinent sections of the <i>Occupational Health and Safety Act</i> R.S.P.E.I.	Pursuant to Chlorobiphenyls Regulations of the Canadian Environmental Protection Act (CEPA)
SILICA	Presumed in the following building components: • Concrete base and structure (exterior) • Poured or pre-cast concrete (main and penthouse floors) • Interior concrete block walls /	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

	mortar • Plasters		
MERCURY	fluorescent lamp tubes thermostats	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 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:	Sullivan Building 16 Fitzroy 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 Sullivan Building located at 16 Fitzroy 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 plus basement and penthouse level
Total Area	Approximately 7,133 m ²
Year of Construction	1964
Structure	Steel; concrete
Exterior Cladding	Concrete
HVAC	ACM parging with fiberglass insulation
Roof	Not assessed
Flooring	Terazzo; vinyl sheet flooring, vinyl floor tiles , carpet
Interior Walls	Plaster; drywall; texture coat
Ceilings	Suspended ceiling tiles; drywall; plaster

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 ninety-nine (99) 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 forty-seven (147) samples were analyzed. Of the 147 samples analyzed, twenty-two (22) 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 observed in the mechanical rooms walls and ceilings. Representative sampling was completed in various areas.

A total of ten (10) texture coat finishes were collected during the assessment. None of the wall texture coats were found to be asbestos containing (photos 1 & 2).

All three of the ceiling texture coats samples from the penthouse levels were found to contain **2.4 – 2.7% Chrysotile asbestos (photo 3)**.

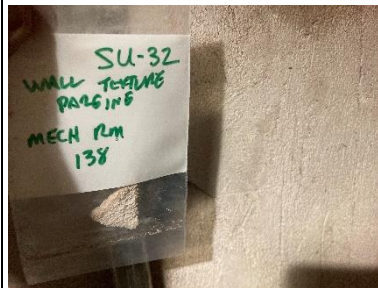


Photo 1



Photo 2

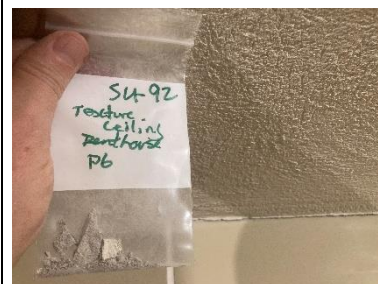


Photo 3

4.1.2 Pipe Insulation

ACM parging cement is present on pipe fittings as identified through various samples within the building. A total of nine (9) parging cement samples were collected and all were found to contain **10% - 70% Chrysotile Asbestos (photo 1)**.

Straight sections of pipe are insulated with fiberglass insulation as identified through visual observations (see Photo 2).

One other suspect block straight run pipe insulation was sampled in the 5th floor mechanical room and was found to be non-asbestos containing (photo 3). Also, black tar paper under canvas covering was sampled and also found to be non-asbestos containing.

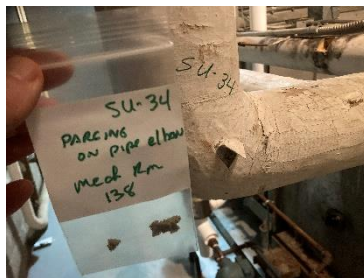


Photo 1



Photo 2

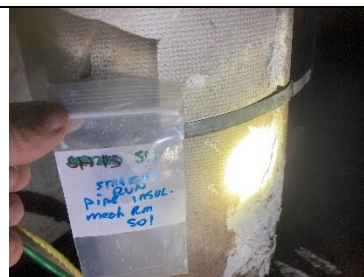
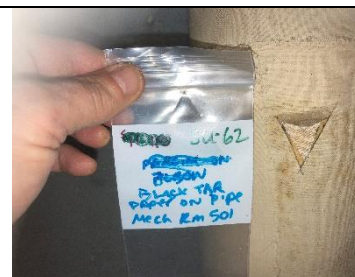


Photo 3



Penthouse mechanical rooms visibly identified as new fiberglass insulation with PVC covering.



Photo 4



Photo 5

4.1.3 Duct Insulation

ACM parging cement is present on mechanical duct insulations as identified through various samples within the building. A total of five (5) parging cement samples were collected and all of them were found to **contain 15% - 65% Chrysotile Asbestos (see photos 1 & 3)**.

Duct insulations visibly identified as fiberglass insulation. ACM parging found around seams and corners under canvas wrap (photos 3 & 4).



Photo 1

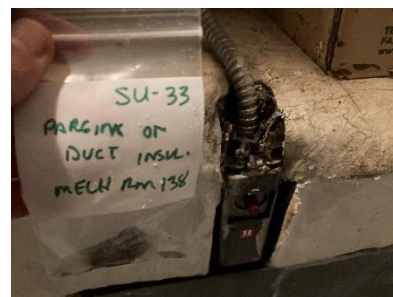


Photo 2



Photo 3

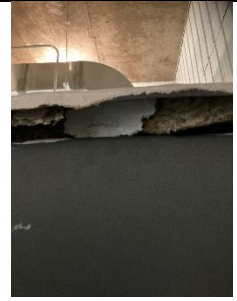


Photo 4

Some ducts observed with fiberglass insulation with no wrap. **Areas on 5th floor identified with ACM parging arounds seams on duct insulation (photos 5 & 6).**



Photo 5



Photo 6

Small section of ACM parging on duct work above ceiling in boardroom on 4th floor noted in poor condition.



Photo 7

4.1.4 Mechanical Equipment Insulation

Some newer mechanical pipe systems are in place with PVC wrap over fiberglass insulation in penthouse mechanical rooms.



Photo 1



Photo 2

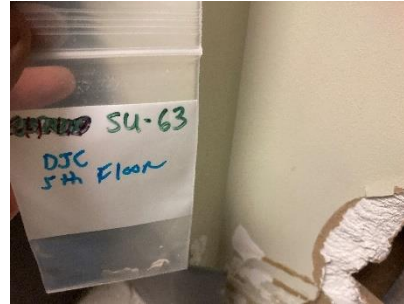
4.1.5 Plaster

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 thirty-two (32) plaster samples were collected during the assessment. None of the samples were found to be asbestos containing.


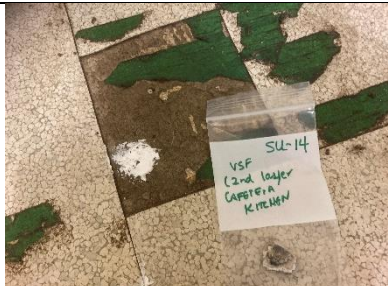


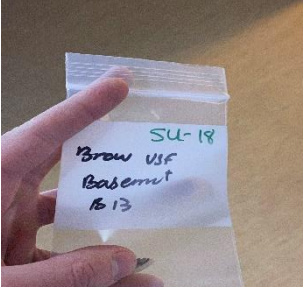
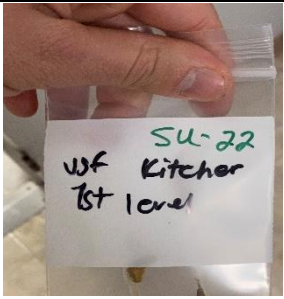
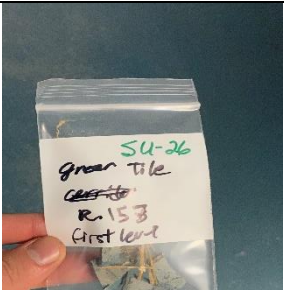

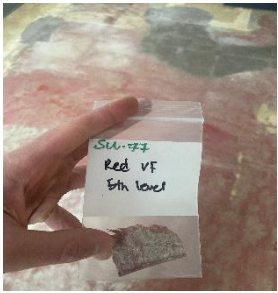
4.1.6 Drywall Joint Compound

Drywall joint compound walls and ceilings were noted and sampled in various random locations throughout the building. Sampling was conducted in areas when present in limited areas. A total of four (4) joint compound samples were collected during the assessment. None of the samples were found to be asbestos containing.

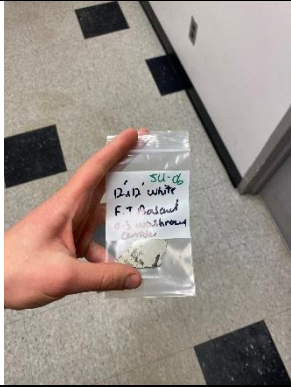
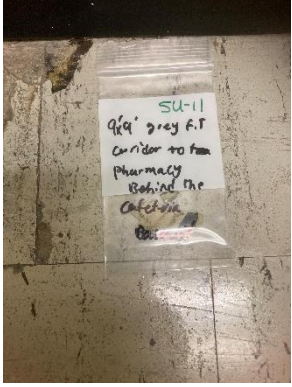

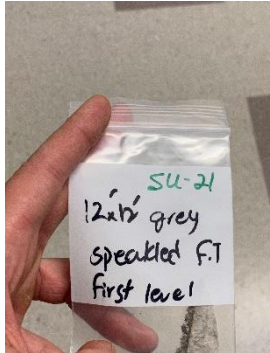


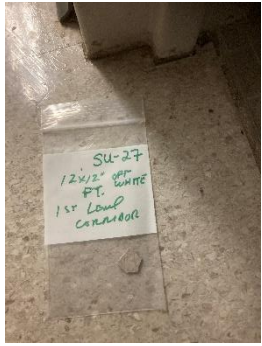
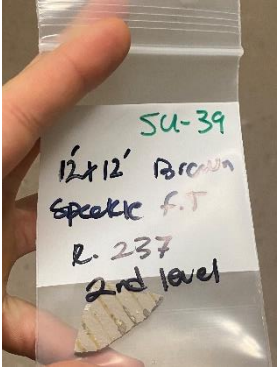
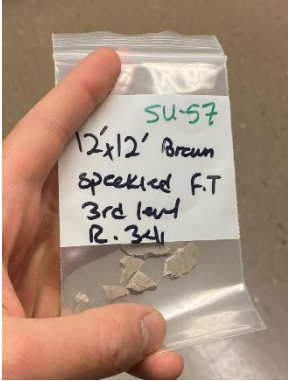
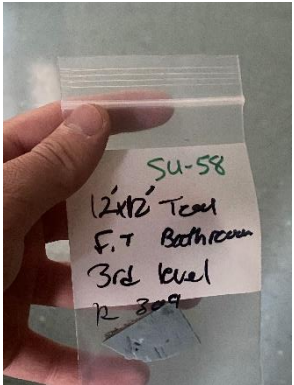
4.1.7 Vinyl Sheet Flooring

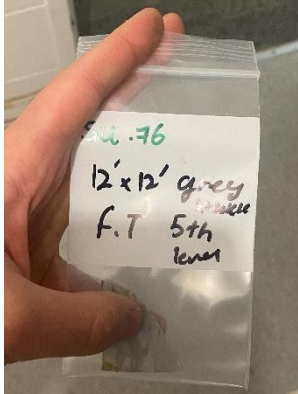
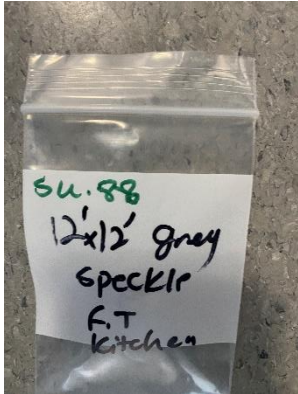
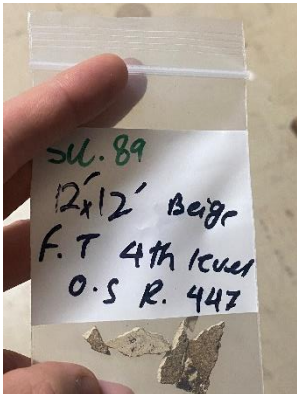
Sample No.:	Flooring Description	Location	Asbestos Type / Content (%)	Photo
SU-13	Off-white vinyl sheet flooring	Basement Cafeteria Kitchen B14	None Detected	
SU-14	Grey vinyl sheet flooring (2 nd layer) with black mastic	Basement Cafeteria Kitchen B14	None Detected in flooring or mastic	

SU-18	Brown vinyl sheet flooring with off-white mastic	Basement Room B13	None Detected in flooring or mastic	
SU-22 SU-28	Beige vinyl sheet flooring with tan mastic	1 st floor Kitchen 152	None Detected in flooring or mastic	
SU-26	Blue vinyl sheet flooring	1 st floor Corridor 153	None Detected	
SU-36 SU-37 SU-38 SU-71	Green vinyl sheet flooring	1 st floor	None Detected	
SU-77	Red vinyl sheet flooring with clear and tan mastics	5 th floor Room 520	None Detected in flooring or mastics	

4.1.8 Vinyl Floor Tiles

Sample No.:	Flooring Description	Location	Asbestos Type / Content (%)	Photo
SU-06	12" x 12" white floor tile with black and brown mastics	Basement corridor outside Room B37	None Detected in floor tile or mastics	
SU-11	9"x 9" cream colour floor tile with black mastic	Basement corridor B56	2.7% Chrysotile asbestos in floor tile. 2% Chrysotile asbestos in black mastic	
SU-19	9"x 9" tan colour floor tile with black mastic	Basement storage room behind Kitchen B1	4.4% Chrysotile asbestos in floor tile. 1.3% Chrysotile asbestos in black mastic	
SU-21	12" x 12" Grey floor tile with tan mastic	1 st floor Corridor 169	None Detected in floor tile or mastic	

SU-27	12" x 12" Grey floor tile	1 st floor Corridor outside 161	None Detected in floor tile or mastic	
SU-39	12" x 12" light brown floor tile with clear/yellow mastic and levelling compounds	2 nd floor Room 237	None Detected in floor tile, mastic, or levelling compound	
SU-57	12"x12" brown floor tile	3 rd floor corridor 341	None Detected	
SU-58	12"x12" green floor tile with tan/black mastic	3 rd floor washroom 309	None Detected in floor tile or mastic	

SU-76	12" x 12" grey speckle floor tile with tan mastic	5 th floor corridor outside Room 572	None Detected in floor tile or mastic	
SU-88	12" x 12" grey floor tile with tan mastic	4 th floor kitchen 416	None Detected in floor tile or mastic	
SU-89	12" x 12" beige speckle floor tile with brown leveling compound	4 th floor Room 447B	None Detected in floor tile or mastic	

4.1.9 Ceiling Tiles

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

The ceiling tiles were observed as mainly fissure designs and limited pinhole design tiles.

A total of seventeen (17) ceiling tile samples were collected during the assessment. Representative sampling was conducted on each floor if present. One of the samples in the basement level was found to contain 1.1% Chrysotile asbestos. All others were non-asbestos containing.

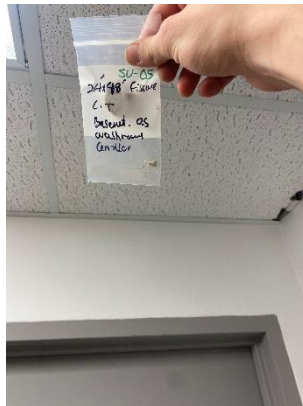


Photo 1



Photo 2

Basement Level – Various ceiling tiles were observed and sampled in the basement level. The majority of tiles were reported as fissure design with thin design patterns were found to be non-asbestos containing throughout (Photo 1).

Limited area of 12" fixed pin hole ceiling tiles were also sampled in the basement and found to be non-asbestos containing (photo 2).

Limited areas of pin hole design ceiling tiles were noted and reported in the basement level, notably in the cafeteria area, and were found to be non-asbestos containing.

Limited areas were found with fissure design with deep design pattern. **These tiles were found to contain 1.1% Chrysotile asbestos (photo 4).**



Photo 3



Photo 4

In-lay acoustic ceiling tiles were observed and sampled in various random locations on the 1st (photo 5) and 3rd (photo 6) floors. Tiles throughout the areas were noted as like materials. Limited acoustic cellulose tiles were noted on the 1st floor. The majority of tiles in this floor were noted as metal tiles.

No ceiling tiles were noted on the 2nd floor. Fixed ceilings are in place within that level. None of the samples were found to be asbestos containing.

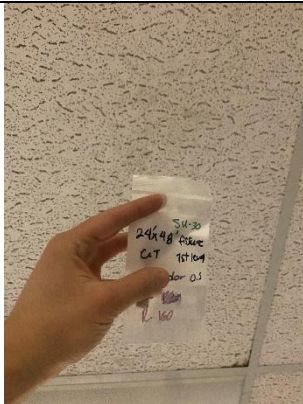


Photo 5

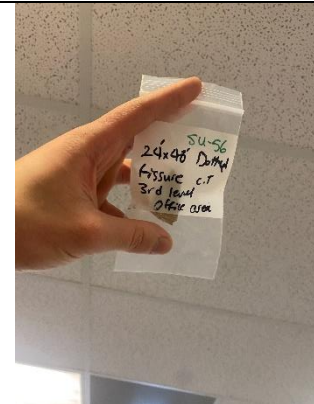


Photo 6

In-lay acoustic ceiling tiles were observed and sampled in various random locations on the 4th (photo 7) and 5th (photo 8) floors. Tiles throughout the areas were noted as like materials.

None of the samples were found to be asbestos containing.

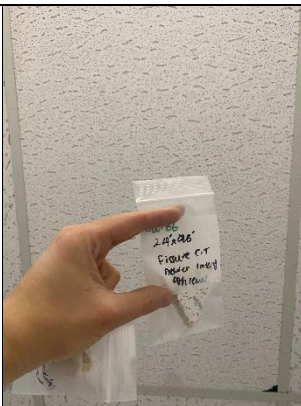


Photo 7

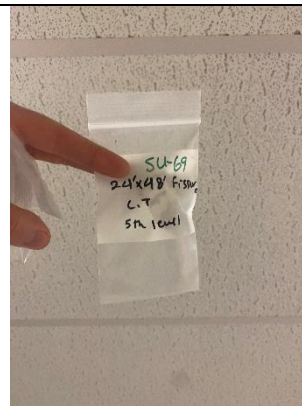


Photo 8

4.1.10 Other Building Materials

Suspect brown mastic on duct work was observed and sampled on the 2nd floor mechanical room (**photo 1**). **The material was found to contain 10% Chrysotile asbestos.**

Suspect parging around a pipe going into the ceiling in Room 330 was observed and sampled (**photo 2**). **The material was found to contain 40% Chrysotile asbestos.**



Photo 1



Photo 2

4.1.11 Excluded Asbestos Materials

The following is a list of materials which may contain asbestos and were excluded from the assessment. These materials are presumed to contain asbestos until otherwise proven by sampling and analysis:

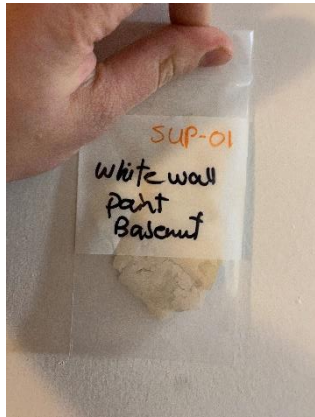
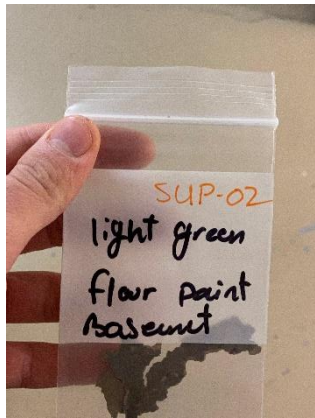

- Roofing felts and tar


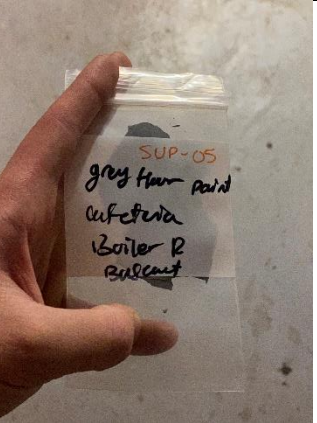
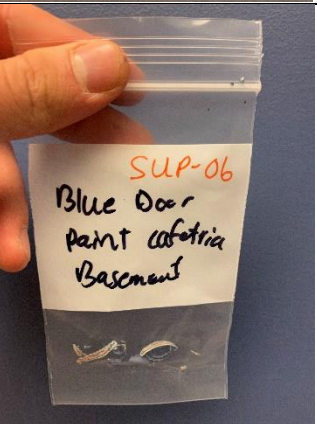
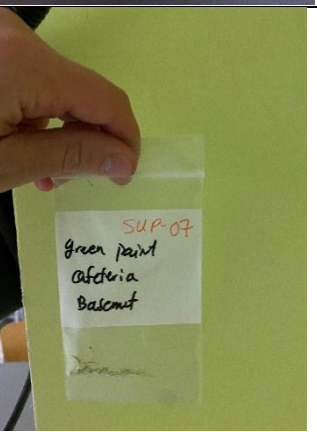
4.2 LEAD-BASED PAINTS

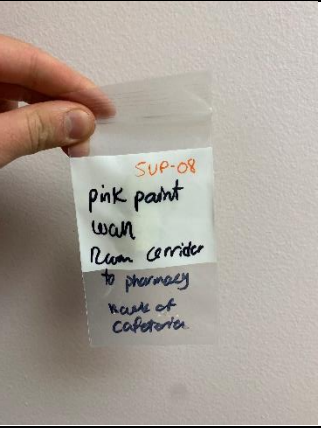
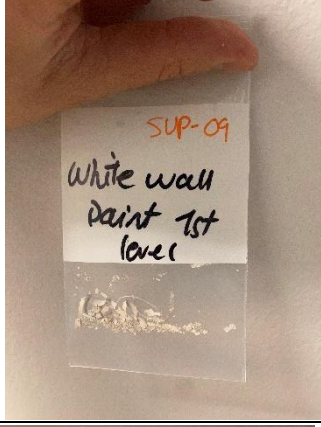

Based on the age of the buildings, lead based paints were sampled. A total of eighteen (18) painted surface coatings were sampled within the building and sent to the laboratory for analysis for lead in paint.

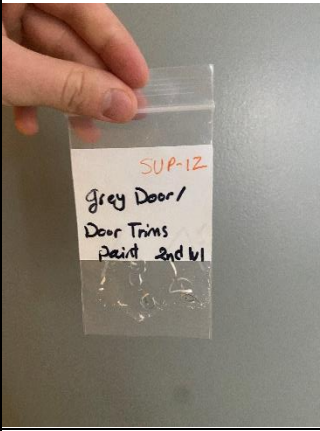
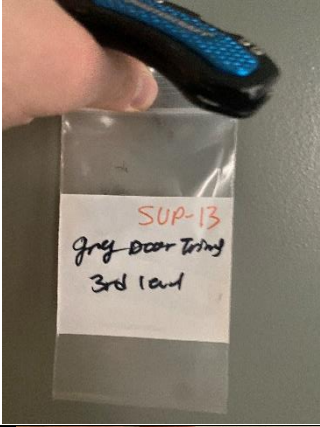
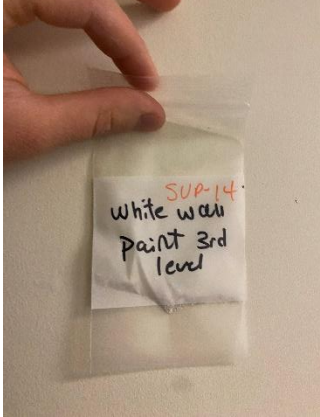
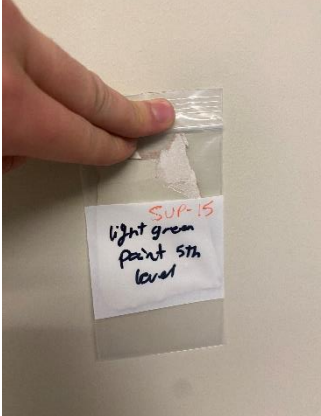
Based on the assessment findings, one (1) of the paint layers sampled exceeded CEPA guidelines of 0.06 percent by weight for surface coating materials. Exceedances are noted in bold red in table below.


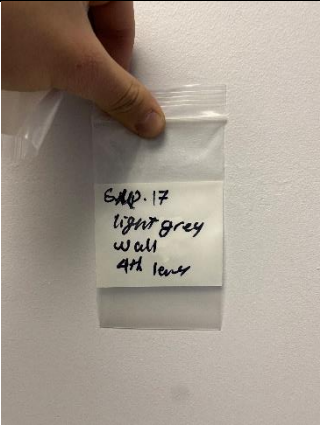
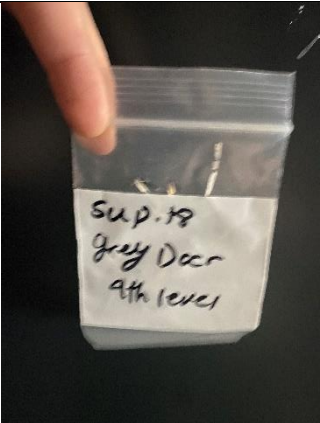
Laboratory analysis certificate is presented in Appendix II.

Sample No.:	Colour / Substrate Description	Location	Lead Content (%)	Photo
SUP-01	White paint / Concrete wall	Basement corridor outside Room B32	0.064	
SUP-02	Light green paint / Concrete floor	Basement corridor outside Room B33	< 0.0067	
SUP-03	Grey paint / Door trim	Basement corridor outside Room B37	0.20	

SUP-04	Red paint / Concrete floor	Basement Room B33	0.055	
SUP-05	Grey paint / Concrete floor	Basement Room B67 mechanical room	0.051	
SUP-06	Blue paint / Door	Basement Room B14 Cafeteria	< 0.0069	
SUP-07	Green paint / Wall surface	Basement Room B14 Cafeteria	< 0.011	

SUP-08	Pink paint / Wall surface	Basement Corridor outside Room B14 Cafeteria	0.033	
SUP-09	White paint / Wall surface	1 st floor corridor 171	< 0.0091	
SUP-10	Grey paint/ Door	1 st floor corridor 171	0.036	
SUP-11	White paint / Wall surface	2 nd floor Corridor outside Room 211	0.028	NA

SUP-12	Grey paint / Door trim	2 nd floor Corridor outside Room 211	< 0.014	
SUP-13	Grey paint / Door trim	3 rd floor Corridor outside Room 308	0.0093	
SUP-14	White paint / Wall surface	3 rd floor Corridor outside Room 308	0.017	
SUP-15	Light green paint / Wall surface	5 th floor Room 575	< 0.0061	

SUP-16	Dark blue paint / Door	5 th floor Room 543	0.033	
SUP-17	Light grey paint / Wall surface	4 th floor Corridor outside Room 423	0.047	
SUP-18	Grey paint / Door	4 th floor Corridor outside Room 422	< 0.011	

4.3 POLYCHLORINATED BIPHENYLS (PCB's)






Some older model light fixtures and lamp ballasts were observed within the building. A variety of newer and older ballasts were observed and documented below in this section.

Confirmed PCB containing ballasts are noted below through referencing through Environment Canada's "Identification of Lamp Ballasts Containing PCB's."

Some ballasts have been replaced with various updated non-PCB containing ballasts as noted in tables below. These ballasts are labelled as No PCB's on manufacturers labels.

If lamp ballasts with different serial numbers than those identified above are encountered during removal, it should be determined whether they are PCB-containing and disposed of accordingly. Unidentified ballasts with presence of leaking oils should be treated as PCB containing ballasts. The following is the assessed records for inspected ballasts within various random locations throughout the building.

4.3.1 Lighting Lamp Ballasts

<p>Basement</p> <p>Photo 1 – GE Gold Label 17A240N Lamp Ballasts observed in basement corridor – Ballasts confirmed as PCB ballasts through referencing.</p> <p>Photo 2 – Typical hanging light fixtures for these ballasts.</p> <p>Photo 3 – Philips advance R-2S40-TP Lamp Ballasts observed in basement mechanical room B29 – Ballasts marked as No PCB's.</p>	 <p>Photo 1</p>	 <p>Photo 2</p>
<p>1st floor</p> <p>Photo 1 – Phillips Advance Mark II Lamp Ballasts observed in 1st floor corridors – Ballasts marked as No PCB's.</p> <p>Photo 2 – Typical fixed light fixtures for these ballasts.</p> <p>Photo 3 – Advance RELB-2S40-SC Lamp Ballasts observed in 1st floor – Ballasts marked as No PCB's.</p>	 <p>Photo 1</p>	 <p>Photo 2</p>
	 <p>Photo 3</p>	

2nd floor

Photo 1 – non-legible stained lamp ballast observed in Room 239. To be treated as PCB containing ballasts.
Photo 2 – Typical fixed light fixtures for these ballasts.

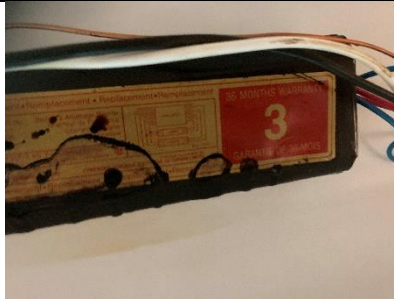


Photo 1



Photo 2

3rd floor

Photo 1 – Sola Sentry non-legible lamp ballast observed in Room 346 – Ballasts confirmed as PCB ballasts through referencing.
Photo 2 – Typical recessed light fixtures for these ballasts.



Photo 1



Photo 2

4th & 5th floor

Photo 1 – Sylvania Quicktronic and Philips advance Lamp Ballasts observed on 4th and 5th floor – Ballasts marked as No PCB's.
Photo 2 – Typical recessed light fixtures for these ballasts.



Photo1



Photo 2

Penthouse

Photo 1 – GE Gold Label 17A240A Lamp Ballasts observed in penthouse – Ballasts confirmed as PCB ballasts through referencing.
Photo 2 – Typical hanging light fixtures for these ballasts



Photo1

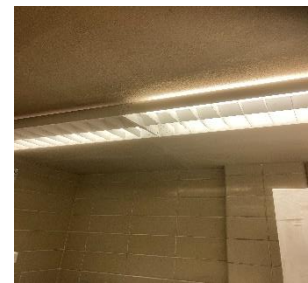


Photo 2

4.3.2 Transformers

Electrical transformer rooms on each level by elevators identified. No accessible oils observed.



Photo 1



Photo 2

Electrical transformer rooms on each level by elevators identified. No accessible oils observed.



Photo 3

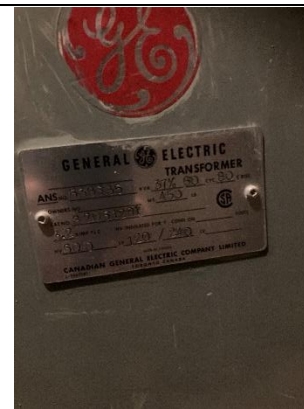


Photo 4

Electrical transformer rooms in penthouse identified as dry transformers.

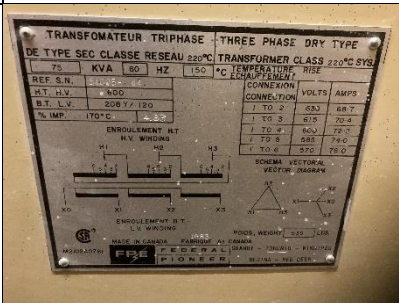


Photo 1



Photo 2

4.4 SILICA

Crystalline silica is a presumed component of the following materials:

- Concrete base and structure (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.

Thermostats identified as pneumatic (photo 1).



Photo 1

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 and mechanical duct systems 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. The second floor was noted for having solid ceilings with no access to the above ceilings. Therefore, based on other levels, it should be assumed that ACM's are above ceilings if any planned renovations are to be undertaken on this level as well. Also, it was noted that parging cement was not consistent of duct systems or pipe fittings. Some areas were noted having ACM parging cement on hangers, but this pattern was not consistent throughout. This was the same when duct insulation ACM parging was observed. No consistencies were noted. Therefore, care should be taken when dealing with any pipe or duct systems within the building as some ACM's may not have been identified on hidden items.

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			
Sullivan Building			
Hazardous Materials	Description / Comments	Safe Handling Requirements	Disposal Requirements
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
	Parging cement on mechanical duct insulation		
	Parging cement on ceiling (limited)		
	Ceiling texture coat (Penthouse)		
	9" x 9" vinyl floor tiles with black mastic under floor tiles (limited basement areas)		
	24" x 48" acoustic ceiling tiles (limited basement areas)		
	Brown mastic on metal duct seams		
LEAD PAINT	White wall paint / (Basement corridors)	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.
PCB's	- GE Gold Label 17A240N Lamp Ballasts - GE Gold Label 17A240A Lamp Ballasts - Sola Sentry and non-legible lamp ballasts.	TDG – manifest Trained personnel in the safe handling of PCB's and all other pertinent sections of the <i>Occupational Health and Safety Act</i> R.S.P.E.I.	Pursuant to Chlorobiphenyls Regulations of the Canadian Environmental Protection Act (CEPA)
SILICA	Presumed in the following building components: • Concrete base and structure (exterior)	Trained personnel in the safe handling of silica dust and all other pertinent sections of the	Regulatory approval from PEIELJ

	<ul style="list-style-type: none"> • Poured or pre-cast concrete (main and penthouse floors) • Interior concrete block walls / mortar • Plasters 	<i>Occupational Health and Safety Act R.S.P.E.I</i>	
MERCURY	fluorescent lamp tubes thermostats	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: 1/17/2023
Report No.: 675965 - PLM
Project: Sullivan Bldg
Project No.: PE22400

Client: ALL131

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7551180
Client No.: SU-01

Analyst Observation: Grey Insulation
Client Description: Pipe Elbow Parging

Location: Basement Rm B33
Facility:

Percent Asbestos:
10 Chrysotile

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
90

Sample received wet

Lab No.: 7551181
Client No.: SU-02

Analyst Observation: Lt Grey Insulation
Client Description: Pipe Elbow Parging

Location: Basement Rm B33
Facility:

Percent Asbestos:
10 Chrysotile

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
90

Lab No.: 7551182
Client No.: SU-03

Analyst Observation: White Plaster
Client Description: Plaster Wall

Location: Basement Corridor Outside Rm B32
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7551182(L2)
Client No.: SU-03

Analyst Observation: Lt Tan Plaster
Client Description: Plaster Wall

Location: Basement Corridor Outside Rm B32
Facility:

Percent Asbestos:
PC Trace Chrysotile

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Insufficient material provided to verify results.

Lab No.: 7551183
Client No.: SU-04

Analyst Observation: Grey Insulation
Client Description: Pipe Elbow Parging


Location: Basement Corridor Outside Rm B32
Facility:

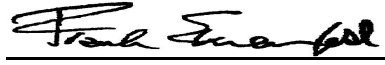
Percent Asbestos:
15 Chrysotile

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
85

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

Date Received: 1/9/2023
Date Analyzed: 01/16/2023
Signature: 
Analyst: Christopher Riffe

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

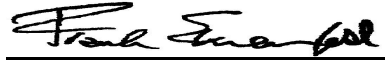
Report Date: 1/17/2023
Report No.: 675965 - PLM
Project: Sullivan Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7551184 Client No.: SU-05	Analyst Observation: Beige/White Ceiling Tile Client Description: 24x48 Fissure Ceiling Tile	Location: Basement Corridor Outside Rm B37 Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 50 Cellulose 20 Mineral Wool	<u>Percent Non-Fibrous Material:</u> 30
Lab No.: 7551185 Client No.: SU-06	Analyst Observation: Clear Caulk Client Description: 12x12 White Floor Tile	Location: Basement Corridor Outside Rm B37 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.: 7551185(L2) Client No.: SU-06	Analyst Observation: Off-White Floor Tile Client Description: 12x12 White Floor Tile	Location: Basement Corridor Outside Rm B37 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.: 7551185(L3) Client No.: SU-06	Analyst Observation: Black Mastic Client Description: 12x12 White Floor Tile	Location: Basement Corridor Outside Rm B37 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.: 7551185(L4) Client No.: SU-06	Analyst Observation: Brown Mastic Client Description: 12x12 White Floor Tile	Location: Basement Corridor Outside Rm B37 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.: 7551186 Client No.: SU-07	Analyst Observation: Off-White Insulation Client Description: Pipe Elbow Parging	Location: Basement Mechanical Rm B67 Facility:
<u>Percent Asbestos:</u> <i>15 Chrysotile</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 85

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

Date Received: 1/9/2023
Date Analyzed: 01/16/2023
Signature: 
Analyst: Christopher Riffe

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: 1/17/2023
Report No.: 675965 - PLM
Project: Sullivan Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7551187
Client No.: SU-08
Analyst Observation: White/Off-White Ceiling Tile
Client Description: 24x24 Pinhole Ceiling Tile
Location: Basement Cafeteria Rm B14
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: 50 Cellulose
Percent Non-Fibrous Material: 30
20 Mineral Wool

Lab No.: 7551188
Client No.: SU-09
Analyst Observation: Off-White Joint Compound
Client Description: Plaster Wall
Location: Basement Cafeteria Rm B14
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100


Lab No.: 7551189
Client No.: SU-10
Analyst Observation: White Plaster
Client Description: Plaster Wall
Location: Basement Cafeteria Rm B14
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

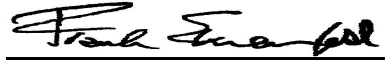
Lab No.: 7551189(L2)
Client No.: SU-10
Analyst Observation: Lt Tan Plaster
Client Description: Plaster Wall
Location: Basement Cafeteria Rm B14
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Lab No.: 7551190
Client No.: SU-11
Analyst Observation: Cream/Brown Floor Tile
Client Description: 9x9 White Floor Tile
Location: Basement Corridor B56
Facility:
Percent Asbestos: *PC 2.7 Chrysotile*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 97.3

Lab No.: 7551190(L2)
Client No.: SU-11
Analyst Observation: Black Mastic
Client Description: 9x9 White Floor Tile
Location: Basement Corridor B56
Facility:
Percent Asbestos: *PC 2.0 Chrysotile*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 98

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

Date Received: 1/9/2023
Date Analyzed: 01/16/2023
Signature: 
Analyst: Christopher Riffe

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: 1/17/2023
Report No.: 675965 - PLM
Project: Sullivan Bldg
Project No.: PE22400

Client: ALL131

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7551191
Client No.: SU-12

Analyst Observation: Grey Insulation
Client Description: Parging On Duct

Location: Basement Mechanical Rm B67
Facility:

Percent Asbestos:
20 Chrysotile

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
80

Sample received wet

Lab No.: 7551192
Client No.: SU-13

Analyst Observation: Off-White Vinyl Sheet Flooring
Client Description: Vinyl Sheet Flooring

Location: Basement Cafeteria Kitchen Rm B14

Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
8 Cellulose
1 Fibrous Glass
1 Synthetic

Percent Non-Fibrous Material:
90

Lab No.: 7551193
Client No.: SU-14

Analyst Observation: Grey Vinyl Sheet Flooring Backing Material

Location: Basement Cafeteria Rm B14
Facility:

Client Description: Vinyl Sheet Flooring Second Layer

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
3 Fibrous Glass
1 Cellulose

Percent Non-Fibrous Material:
96

Layers not separable.

Lab No.: 7551193(L2)
Client No.: SU-14

Analyst Observation: Off-White Vinyl Sheet Flooring
Client Description: Vinyl Sheet Flooring Second Layer

Location: Basement Cafeteria Rm B14
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
8 Cellulose
1 Fibrous Glass
1 Synthetic

Percent Non-Fibrous Material:
90

Lab No.: 7551193(L3)
Client No.: SU-14

Analyst Observation: Black Mastic
Client Description: Vinyl Sheet Flooring Second Layer

Location: Basement Cafeteria Rm B14
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Insufficient material provided to verify results.

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

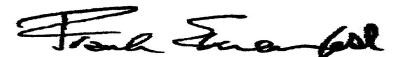
Date Received: 1/9/2023

Date Analyzed: 01/16/2023

Signature: 

Analyst: Christopher Riffe

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: 1/17/2023
Report No.: 675965 - PLM
Project: Sullivan Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7551194 Client No.: SU-15	Analyst Observation: White Plaster Client Description: Plaster	Location: Storage Behind Cafeteria Kitchen B14 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.: 7551194(L2) Client No.: SU-15	Analyst Observation: Lt Tan Plaster Client Description: Plaster	Location: Storage Behind Cafeteria Kitchen B14 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.: 7551195 Client No.: SU-16	Analyst Observation: White/Tan Ceiling Tile Client Description: 12x12 Ceiling Tile Plane	Location: Storage Behind Cafeteria Kitchen B14 Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 95 Cellulose	<u>Percent Non-Fibrous Material:</u> 5
Lab No.: 7551196 Client No.: SU-17	Analyst Observation: White/Beige/Red Ceiling Tile Client Description: 24x48 Ceiling Tile Fissure	Location: Storage Behind Cafeteria Kitchen B14 Facility:
<u>Percent Asbestos:</u> <i>PC 1.1 Chrysotile</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 98.9
Lab No.: 7551197 Client No.: SU-18	Analyst Observation: Brown Vinyl Sheet Flooring Client Description: Vinyl Sheet Flooring	Location: Basement Rm B13 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.: 7551197(L2) Client No.: SU-18	Analyst Observation: Off-White Mastic Client Description: Vinyl Sheet Flooring	Location: Basement Rm B13 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: 1/9/2023
Date Analyzed: 01/16/2023
Signature:
Analyst: Christopher Riffe

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: 1/17/2023
Report No.: 675965 - PLM
Project: Sullivan Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7551197(L3)
Client No.: SU-18

Analyst Observation: Brown Leveling Compound
Client Description: Vinyl Sheet Flooring

Location: Basement Rm B13
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7551198
Client No.: SU-19

Analyst Observation: Tan/Brown Floor Tile
Client Description: 9x9 Beige Floor Tile

Location: Storage Behind Cafeteria Kitchen B1

Percent Asbestos:
PC 4.4 Chrysotile

Percent Non-Asbestos Fibrous Material:
None Detected

Facility:
Percent Non-Fibrous Material:
95.6

Lab No.: 7551198(L2)
Client No.: SU-19

Analyst Observation: Black Mastic
Client Description: 9x9 Beige Floor Tile

Location: Storage Behind Cafeteria Kitchen B1

Percent Asbestos:
PC 1.3 Chrysotile

Percent Non-Asbestos Fibrous Material:
None Detected

Facility:
Percent Non-Fibrous Material:
98.7

Insufficient material provided to verify results.

Lab No.: 7551199
Client No.: SU-20

Analyst Observation: Dk Brown Non-Fibrous
Client Description: Plaster Wall

Location: 1st Floor Corridor 147
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7551199(L2)
Client No.: SU-20

Analyst Observation: White Caulk
Client Description: Plaster Wall

Location: 1st Floor Corridor 147
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7551199(L3)
Client No.: SU-20

Analyst Observation: White Plaster
Client Description: Plaster Wall

Location: 1st Floor Corridor 147
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: 1/9/2023
Date Analyzed: 01/16/2023
Signature:
Analyst: Christopher Riffe

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: 1/17/2023
Report No.: 675965 - PLM
Project: Sullivan Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7551199(L4)
Client No.: SU-20

Analyst Observation: Lt Tan Plaster
Client Description: Plaster Wall

Location: 1st Floor Corridor 147
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7551200
Client No.: SU-21

Analyst Observation: Lt Grey Vinyl Sheet Flooring
Client Description: 12x12 Grey Floor Tile

Location: 1st Floor Corridor 169
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Note: No mastic present

Lab No.: 7551200(L2)
Client No.: SU-21

Analyst Observation: Tan Mastic
Client Description: 12x12 Grey Floor Tile

Location: 1st Floor Corridor 169
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7551201
Client No.: SU-22

Analyst Observation: Beige/Grey Vinyl Sheet Flooring
Client Description: Vinyl Sheet Flooring

Location: 1st Floor Kitchen R-152
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
15 Cellulose

Percent Non-Fibrous Material:
85

Lab No.: 7551201(L2)
Client No.: SU-22

Analyst Observation: Tan Mastic
Client Description: Vinyl Sheet Flooring

Location: 1st Floor Kitchen R-152
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7551202
Client No.: SU-23

Analyst Observation: White Plaster
Client Description: Plaster Wall

Location: 1st Floor Corridor Outside R132
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: 1/9/2023
Date Analyzed: 01/16/2023
Signature:
Analyst: Christopher Riffe

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: 1/17/2023 Report No.: 675965 - PLM Project: Sullivan Bldg Project No.: PE22400
Client: ALL131	

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7551202(L2) Client No.: SU-23	Analyst Observation: Lt Tan Plaster Client Description: Plaster Wall	Location: 1st Floor Corridor Outside R132 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.: 7551203 Client No.: SU-24	Analyst Observation: White Plaster Client Description: Plaster Wall	Location: 1st Floor Corridor 169 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.: 7551203(L2) Client No.: SU-24	Analyst Observation: Lt Tan Plaster Client Description: Plaster Wall	Location: 1st Floor Corridor 169 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.: 7551204 Client No.: SU-25	Analyst Observation: White Plaster Client Description: Plaster Wall	Location: 1st Floor Corridor 169 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.: 7551204(L2) Client No.: SU-25	Analyst Observation: Lt Tan Plaster Client Description: Plaster Wall	Location: 1st Floor Corridor 169 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.: 7551204(L3) Client No.: SU-25	Analyst Observation: Grey Plaster Client Description: Plaster Wall	Location: 1st Floor Corridor 169 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: 1/9/2023
Date Analyzed: 01/16/2023
Signature:
Analyst: Christopher Riffe

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

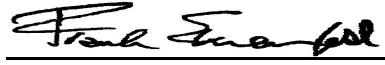
Report Date: 1/17/2023
Report No.: 675965 - PLM
Project: Sullivan Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7551205 Client No.: SU-26	Analyst Observation: Blue Vinyl Sheet Flooring Client Description: Linoleum Floor Tile	Location: 1st Floor Corridor 153 Facility:
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> 30 Cellulose	<u>Percent Non-Fibrous Material:</u> 70
Note: No mastic present		
Lab No.: 7551206 Client No.: SU-27	Analyst Observation: Grey Floor Tile Client Description: 12x12 Off-White Floor Tile	Location: 1st Floor Corridor Outside R161 Facility:
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Note: No mastic present		
Lab No.: 7551207 Client No.: SU-28	Analyst Observation: Beige/Grey Vinyl Sheet Flooring Client Description: Vinyl Sheet Flooring	Location: 1st Floor Kitchen R-152 Facility:
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> 15 Cellulose	<u>Percent Non-Fibrous Material:</u> 85
Lab No.: 7551207(L2) Client No.: SU-28	Analyst Observation: Tan Mastic Client Description: Vinyl Sheet Flooring	Location: 1st Floor Kitchen R-152 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.: 7551208 Client No.: SU-29	Analyst Observation: Beige/White Ceiling Tile Client Description: 24x48 Ceiling Tile Fissure	Location: 1st Floor Corridor Outside Rm 134 Facility:
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> 50 Cellulose 15 Mineral Wool	<u>Percent Non-Fibrous Material:</u> 35
Lab No.: 7551209 Client No.: SU-30	Analyst Observation: Beige/White Ceiling Tile Client Description: 24x48 Ceiling Tile Fissure	Location: 1st Floor Corridor 160 Facility:
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> 50 Cellulose 15 Mineral Wool	<u>Percent Non-Fibrous Material:</u> 35

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

Date Received: 1/9/2023
Date Analyzed: 01/16/2023
Signature: 
Analyst: Christopher Riffe

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: 1/17/2023
Report No.: 675965 - PLM
Project: Sullivan Bldg
Project No.: PE22400

Client: ALL131

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7551210 **Analyst Observation:** Beige/White Ceiling Tile **Location:** 1st Floor Corridor Outside Rm
Client No.: SU-31 **Client Description:** 24x48 Ceiling Tile Fissure 131

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 50 Cellulose 35
15 Mineral Wool

Lab No.: 7551211 **Analyst Observation:** Lt Tan Plaster **Location:** 1st Floor Mechanical R138
Client No.: SU-32 **Client Description:** Wall Texture Parging **Facility:**

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

Lab No.: 7551212 **Analyst Observation:** Grey Insulation **Location:** 1st Floor Mechanical R138
Client No.: SU-33 **Client Description:** Parging On Duct Insulation **Facility:**

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
15 Chrysotile None Detected 85

Sample received wet

Lab No.: 7551213 **Analyst Observation:** Lt Grey Insulation **Location:** 1st Floor Mechanical R138
Client No.: SU-34 **Client Description:** Parging On Pipe Elbow **Facility:**

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
15 Chrysotile None Detected 85

Lab No.: 7551214 **Analyst Observation:** Lt Tan Plaster **Location:** 1st Floor Mechanical R138
Client No.: SU-35 **Client Description:** Ceiling Plaster **Facility:**


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

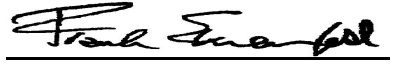
Lab No.: 7551215 **Analyst Observation:** Green Vinyl Sheet Flooring **Location:** 1st Floor Mechanical R138
Client No.: SU-36 **Client Description:** Green Linoleum Flooring **Facility:**

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 30 Cellulose 70

Note: No mastic present

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

Date Received: 1/9/2023
Date Analyzed: 01/16/2023
Signature: 
Analyst: Christopher Riffe

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: 1/17/2023
Report No.: 675965 - PLM
Project: Sullivan Bldg
Project No.: PE22400

Client: ALL131

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7551216
Client No.: SU-37

Analyst Observation: Grey Vinyl Sheet Flooring
Client Description: Grey Linoleum Flooring

Location: 1st Floor Elevator R165
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
30 Cellulose

Percent Non-Fibrous Material:
70

Note: No mastic present

Lab No.: 7551217
Client No.: SU-38

Analyst Observation: Green Vinyl Sheet Flooring
Client Description: Green Linoleum Flooring

Location: 1st Floor Corridor Outside R165
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
5 Cellulose

Percent Non-Fibrous Material:
95

Note: No mastic present

Lab No.: 7551218
Client No.: SU-39

Analyst Observation: Lt Brown Floor Tile
Client Description: 12x12 Brown Speckle Floor Tile

Location: 2nd Floor R237
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7551218(L2)
Client No.: SU-39

Analyst Observation: Clear/Yellow Mastic
Client Description: 12x12 Brown Speckle Floor Tile

Location: 2nd Floor R237
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7551218(L3)
Client No.: SU-39

Analyst Observation: Grey Leveling Compound
Client Description: 12x12 Brown Speckle Floor Tile

Location: 2nd Floor R237
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
2 Cellulose

Percent Non-Fibrous Material:
98

Lab No.: 7551219
Client No.: SU-40

Analyst Observation: White Plaster
Client Description: Plaster Wall


Location: 2nd Floor Corridor Outside R212
Facility:

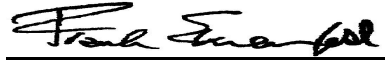
Percent Asbestos:
None Detected

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: 1/9/2023
Date Analyzed: 01/16/2023
Signature: 
Analyst: Christopher Riffe

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: 1/17/2023
Report No.: 675965 - PLM
Project: Sullivan Bldg
Project No.: PE22400

Client: ALL131

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7551219(L2)
Client No.: SU-40

Analyst Observation: Lt Tan Plaster
Client Description: Plaster Wall


Location: 2nd Floor Corridor Outside R212
Facility:

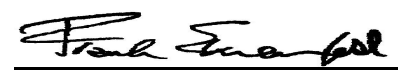
Percent Asbestos:
None Detected

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: 1/9/2023
Date Analyzed: 01/16/2023
Signature: 
Analyst: Christopher Riffe

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: 1/17/2023
Report No.: 675965 - PLM
Project: Sullivan Bldg
Project No.: PE22400

Client: ALL131

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7551220
Client No.: SU-41

Analyst Observation: White Plaster
Client Description: Plaster Wall

Location: 2nd Floor Corridor Outside R257
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7551220(L2)
Client No.: SU-41

Analyst Observation: Grey Plaster
Client Description: Plaster Wall

Location: 2nd Floor Corridor Outside R257
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7551221
Client No.: SU-42

Analyst Observation: White Plaster
Client Description: Plaster Wall

Location: 2nd Floor R245
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7551221(L2)
Client No.: SU-42

Analyst Observation: Grey Plaster
Client Description: Plaster Wall

Location: 2nd Floor R245
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
Trace Cellulose

Percent Non-Fibrous Material:
100

Lab No.: 7551222
Client No.: SU-43

Analyst Observation: White Plaster
Client Description: Plaster Wall

Location: 2nd Floor Corridor Outside R219
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7551222(L2)
Client No.: SU-43

Analyst Observation: Grey Plaster
Client Description: Plaster Wall

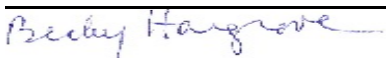
Location: 2nd Floor Corridor Outside R219
Facility:

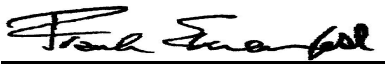
Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
Trace Cellulose

Percent Non-Fibrous Material:
100

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

Date Received: 1/9/2023
Date Analyzed: 01/17/2023
Signature: 
Analyst: Rebecca Hargrove

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: 1/17/2023 Report No.: 675965 - PLM Project: Sullivan Bldg Project No.: PE22400
Client: ALL131	

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7551223 Client No.: SU-44	Analyst Observation: White Plaster Client Description: Plaster Wall	Location: 2nd Floor Corridor Outside R214 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.: 7551223(L2) Client No.: SU-44	Analyst Observation: Grey Plaster Client Description: Plaster Wall	Location: 2nd Floor Corridor Outside R214 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.: 7551224 Client No.: SU-45	Analyst Observation: Brown Mastic Client Description: Brown Mastic On Duct	Location: 2nd Floor Mechanical R213 Facility:
<u>Percent Asbestos:</u> <i>10 Chrysotile</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 90
Lab No.: 7551225 Client No.: SU-46	Analyst Observation: Grey Plaster Client Description: Wall Texture Coat	Location: 2nd Floor Mechanical R213 Facility:
<u>Percent Asbestos:</u> <i>PC 0.5 Chrysotile</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 1 Cellulose	<u>Percent Non-Fibrous Material:</u> 98.5
Lab No.: 7551226 Client No.: SU-47	Analyst Observation: Grey Insulation Client Description: Parging On Fitting	Location: 2nd Floor R200 Facility:
<u>Percent Asbestos:</u> <i>65 Chrysotile</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 35
<u>Sample received wet</u>		
Lab No.: 7551227 Client No.: SU-48	Analyst Observation: Grey Plaster Client Description: Wall Texture	Location: 2nd Floor R200 Facility:
<u>Percent Asbestos:</u> <i>PC 0.25 Chrysotile</i>	<u>Percent Non-Asbestos Fibrous Material:</u> Trace Cellulose	<u>Percent Non-Fibrous Material:</u> 99.75

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

Date Received: 1/9/2023
Date Analyzed: 01/17/2023
Signature: *Rebecca Hargrove*
Analyst: Rebecca Hargrove

Approved By: *Frank E. Ehrenfeld, III*
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: 1/17/2023
Report No.: 675965 - PLM
Project: Sullivan Bldg
Project No.: PE22400

Client: ALL131

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7551228
Client No.: SU-49

Analyst Observation: White Plaster
Client Description: Wall Plaster

Location: 3rd Floor R305
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7551228(L2)
Client No.: SU-49

Analyst Observation: Grey Plaster
Client Description: Wall Plaster

Location: 3rd Floor R305
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7551229
Client No.: SU-50

Analyst Observation: White Plaster
Client Description: Wall Plaster

Location: 3rd Floor Outside R302
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7551229(L2)
Client No.: SU-50

Analyst Observation: Grey Plaster
Client Description: Wall Plaster

Location: 3rd Floor Outside R302
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
Trace Cellulose

Percent Non-Fibrous Material:
100

Lab No.: 7551230
Client No.: SU-51

Analyst Observation: White Plaster
Client Description: Wall Plaster

Location: 3rd Floor Corridor Outside R325
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7551230(L2)
Client No.: SU-51

Analyst Observation: Grey Plaster
Client Description: Wall Plaster

Location: 3rd Floor Corridor Outside R325
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

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Analyst: Rebecca Hargrove

Approved By: *Frank E. Ehrenfeld, III*
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

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

Report Date: 1/17/2023
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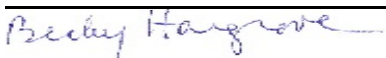
Client: ALL131

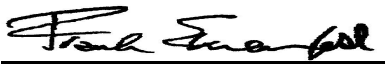
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7551231 Client No.: SU-52	Analyst Observation: Grey Plaster Client Description: Wall Plaster	Location: 3rd Floor Corridor 343 Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 1 Cellulose	<u>Percent Non-Fibrous Material:</u> 99
Lab No.: 7551232 Client No.: SU-53	Analyst Observation: Grey Plaster Client Description: Wall Plaster	Location: 3rd Floor Corridor Outside R322 Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 1 Cellulose	<u>Percent Non-Fibrous Material:</u> 99
Lab No.: 7551233 Client No.: SU-54	Analyst Observation: Grey/White Ceiling Tile Client Description: 24x48 Dotted Fissure Ceiling Tile	Location: 3rd Floor Corridor Outside R339 Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 45 Fibrous Glass 40 Cellulose	<u>Percent Non-Fibrous Material:</u> 15
Lab No.: 7551234 Client No.: SU-55	Analyst Observation: Grey/White Ceiling Tile Client Description: 24x48 Dotted Fissure Ceiling Tile	Location: 3rd Floor Corridor Outside R374 Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 45 Fibrous Glass 40 Cellulose	<u>Percent Non-Fibrous Material:</u> 15
Lab No.: 7551235 Client No.: SU-56	Analyst Observation: Grey/White Ceiling Tile Client Description: 24x48 Dotted Fissure Ceiling Tile	Location: 3rd Floor Corridor Outside Office Area Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 45 Fibrous Glass 40 Cellulose	<u>Percent Non-Fibrous Material:</u> 15
Lab No.: 7551236 Client No.: SU-57	Analyst Observation: Brown Floor Tile Client Description: 12x12 Brown Speckled Floor Tile	Location: 3rd Floor Corridor R341 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

Note: No mastic present

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

Date Received: 1/9/2023
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Signature: 
Analyst: Rebecca Hargrove

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: 1/17/2023
Report No.: 675965 - PLM
Project: Sullivan Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7551237 **Analyst Observation:** Green Floor Tile **Location:** 3rd Floor Bathroom R309
Client No.: SU-58 **Client Description:** 12x12 Teal Floor Tile **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected None Detected 100

Lab No.: 7551237(L2) **Analyst Observation:** Tan/Black Mastic **Location:** 3rd Floor Bathroom R309
Client No.: SU-58 **Client Description:** 12x12 Teal Floor Tile **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected None Detected 100

Layers not separable.

Lab No.: 7551238 **Analyst Observation:** Grey Plaster **Location:** 3rd Floor Storage R330
Client No.: SU-59 **Client Description:** Wall Parging **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
PC Trace Chrysotile Trace Cellulose 100

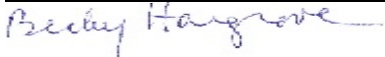
Lab No.: 7551239 **Analyst Observation:** Grey Insulation **Location:** 3rd Floor Storage R330A
Client No.: SU-60 **Client Description:** Ceiling Parging **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
40 Chrysotile None Detected 60


Lab No.: 7551240 **Analyst Observation:** White Insulation **Location:** 5th Floor Mechanical R501
Client No.: SU-61 **Client Description:** Straight Run Pipe Insulation **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 10 Cellulose 80
10 Fibrous Glass

Sample received wet

Lab No.: 7551241 **Analyst Observation:** Black/Silver Wrap **Location:** 5th Floor Mechanical R501
Client No.: SU-62 **Client Description:** Black Tar Paper On Pipe **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 40 Cellulose 60

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Client: ALL131

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7551242 **Analyst Observation:** White Joint Compound **Location:** 5th Floor R575
Client No.: SU-63 **Client Description:** Drywall Joint Compound **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected None Detected 100

Lab No.: 7551243 **Analyst Observation:** Grey Insulation **Location:** 5th Floor R575
Client No.: SU-64 **Client Description:** Pipe Elbow Parging **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
70 Chrysotile None Detected 30

Sample received wet

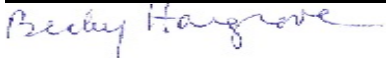
Lab No.: 7551244 **Analyst Observation:** Grey Insulation **Location:** 5th Floor Corridor Outside R545
Client No.: SU-65 **Client Description:** Pipe Elbow Parging **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
70 Chrysotile None Detected 30


Lab No.: 7551245 **Analyst Observation:** White Plaster **Location:** 5th Floor Corridor 517
Client No.: SU-66 **Client Description:** Wall Plaster **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected None Detected 100

Lab No.: 7551245(L2) **Analyst Observation:** Grey Plaster **Location:** 5th Floor Corridor 517
Client No.: SU-66 **Client Description:** Wall Plaster **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
PC Trace Chrysotile 1 Cellulose 99

Lab No.: 7551246 **Analyst Observation:** Grey/White Ceiling Tile **Location:** 5th Floor R575
Client No.: SU-67 **Client Description:** 24x48 Ceiling Tile **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 50 Cellulose 20
30 Fibrous Glass

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7551247
Client No.: SU-68
Analyst Observation: Grey/White Ceiling Tile
Client Description: 24x48 Fissure Ceiling
Location: 5th Floor R535
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: 50 Cellulose
30 Fibrous Glass
Percent Non-Fibrous Material: 20

Lab No.: 7551248
Client No.: SU-69
Analyst Observation: Grey/White Ceiling Tile
Client Description: 24x48 Fissure Ceiling Tile
Location: 5th Floor R527
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: 50 Cellulose
30 Fibrous Glass
Percent Non-Fibrous Material: 20

Lab No.: 7551249
Client No.: SU-70
Analyst Observation: White Plaster
Client Description: Wall Plaster
Location: 5th Floor Corridor 575
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Lab No.: 7551249(L2)
Client No.: SU-70
Analyst Observation: Grey Plaster
Client Description: Wall Plaster
Location: 5th Floor Corridor 575
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: 1 Cellulose
Percent Non-Fibrous Material: 99

Lab No.: 7551250
Client No.: SU-71
Analyst Observation: Blue/Tan Vinyl Sheet Flooring
Client Description: Green Linoleum Flooring
Location: 5th Floor R568B
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: 60 Cellulose
Percent Non-Fibrous Material: 40

Lab No.: 7551250(L2)
Client No.: SU-71
Analyst Observation: Tan/Grey Mastic/Leveling Compound
Client Description: Green Linoleum Flooring
Location: 5th Floor R568B
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Layers not separable.

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Date Received: 1/9/2023
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Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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Bedford NS B4A 2Z5

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Project No.: PE22400

Client: ALL131

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7551251
Client No.: SU-72

Analyst Observation: White Plaster
Client Description: Wall Plaster

Location: 5th Floor R544
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7551251(L2)
Client No.: SU-72

Analyst Observation: Grey Plaster
Client Description: Wall Plaster

Location: 5th Floor R544
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7551252
Client No.: SU-73

Analyst Observation: White Plaster
Client Description: Wall Plaster

Location: 5th Floor Corridor Outside R550
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7551252(L2)
Client No.: SU-73

Analyst Observation: Grey Plaster
Client Description: Wall Plaster

Location: 5th Floor Corridor Outside R550
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
1 Cellulose

Percent Non-Fibrous Material:
99

Lab No.: 7551253
Client No.: SU-74

Analyst Observation: White Plaster
Client Description: Wall Plaster

Location: 5th Floor Corridor Outside R534
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7551253(L2)
Client No.: SU-74

Analyst Observation: Grey Plaster
Client Description: Wall Plaster


Location: 5th Floor Corridor Outside R534
Facility:

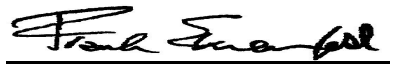
Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
1 Cellulose

Percent Non-Fibrous Material:
99

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Project No.: PE22400

Client: ALL131

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7551254
Client No.: SU-75

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

Location: 5th Floor R544
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7551255
Client No.: SU-76

Analyst Observation: Grey Floor Tile
Client Description: 12x12 Grey Speckled Floor Tile

Location: 5th Floor Corridor Outside R572
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7551255(L2)
Client No.: SU-76

Analyst Observation: Tan Mastic
Client Description: 12x12 Grey Speckled Floor Tile

Location: 5th Floor Corridor Outside R572
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Insufficient material provided to verify results.

Lab No.: 7551256
Client No.: SU-77

Analyst Observation: Red Vinyl Sheet Flooring
Client Description: Vinyl Sheet Flooring

Location: 5th Floor R520
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7551256(L2)
Client No.: SU-77

Analyst Observation: Clear Mastic
Client Description: Vinyl Sheet Flooring

Location: 5th Floor R520
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7551256(L3)
Client No.: SU-77

Analyst Observation: Tan Mastic
Client Description: Vinyl Sheet Flooring

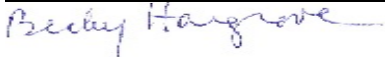
Location: 5th Floor R520
Facility:


Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

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Project No.: PE22400

Client: ALL131

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7551257 Client No.: SU-78	Analyst Observation: White Plaster Client Description: Wall Plaster	Location: 4th Floor Corridor Outside R447 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.: 7551257(L2) Client No.: SU-78	Analyst Observation: Grey Plaster Client Description: Wall Plaster	Location: 4th Floor Corridor Outside R447 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.: 7551258 Client No.: SU-79	Analyst Observation: White Plaster Client Description: Wall Plaster	Location: 4th Floor Corridor Outside R447a 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.: 7551258(L2) Client No.: SU-79	Analyst Observation: Grey Plaster Client Description: Wall Plaster	Location: 4th Floor Corridor Outside R447a 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.: 7551259 Client No.: SU-80	Analyst Observation: White Plaster Client Description: Wall Plaster	Location: 4th Floor Corridor Outside R447 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.: 7551259(L2) Client No.: SU-80	Analyst Observation: Grey Plaster Client Description: Wall Plaster	Location: 4th Floor Corridor Outside R447 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.

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Laboratory Director

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Client: ALL-TECH Environmental Services Limited
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Client: ALL131

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Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7551260 **Analyst Observation:** White Plaster **Location:** 4th Floor Corridor Outside R435
Client No.: SU-81 **Client Description:** Wall Plaster **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected None Detected 100

Lab No.: 7551260(L2) **Analyst Observation:** Grey Plaster **Location:** 4th Floor Corridor Outside R435
Client No.: SU-81 **Client Description:** Wall Plaster **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 1 Cellulose 99

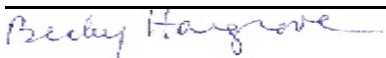
Lab No.: 7551261 **Analyst Observation:** White Plaster **Location:** 4th Floor Corridor Outside R444
Client No.: SU-82 **Client Description:** Wall Plaster **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected None Detected 100

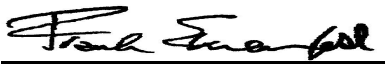
Lab No.: 7551261(L2) **Analyst Observation:** Grey Plaster **Location:** 4th Floor Corridor Outside R444
Client No.: SU-82 **Client Description:** Wall Plaster **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected None Detected 100

Lab No.: 7551262 **Analyst Observation:** Grey/White Ceiling Tile **Location:** 4th Floor Corridor Outside R414
Client No.: SU-83 **Client Description:** 24x48 Fissure Ceiling Tile **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 45 Fibrous Glass 15
40 Cellulose

Lab No.: 7551263 **Analyst Observation:** Grey/White Ceiling Tile **Location:** 4th Floor R402
Client No.: SU-84 **Client Description:** 24x48 Fissure Ceiling Tile **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 45 Fibrous Glass 15
40 Cellulose

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Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7551264
Client No.: SU-85
Analyst Observation: Grey/White Ceiling Tile
Client Description: 24x48 Fissure Ceiling Tile
Location: 4th Floor Corridor Outside R475
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: 70 Cellulose
10 Fibrous Glass
Percent Non-Fibrous Material: 20

Lab No.: 7551265
Client No.: SU-86
Analyst Observation: Grey/White Ceiling Tile
Client Description: 24x48 Fissure Ceiling Tile
Location: 4th Floor Corridor Outside R423
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: 70 Cellulose
10 Fibrous Glass
Percent Non-Fibrous Material: 20

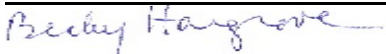
Lab No.: 7551266
Client No.: SU-87
Analyst Observation: Off-White Joint Compound
Client Description: Drywall Joint Compound
Location: 4th Floor Corridor Outside R416
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

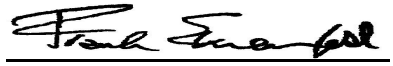
Lab No.: 7551267
Client No.: SU-88
Analyst Observation: Grey Floor Tile
Client Description: 12x12 Grey Speckled Floor Tile
Location: 4th Floor Kitchen R416
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Lab No.: 7551267(L2)
Client No.: SU-88
Analyst Observation: Tan Mastic
Client Description: 12x12 Grey Speckled Floor Tile
Location: 4th Floor Kitchen R416
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Lab No.: 7551268
Client No.: SU-89
Analyst Observation: Beige Floor Tile
Client Description: 12x12 Beige Speckled Floor Tile
Location: 4th Floor R447b
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: 1/9/2023
Date Analyzed: 01/17/2023
Signature: 
Analyst: Rebecca Hargrove

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: 1/17/2023
Report No.: 675965 - PLM
Project: Sullivan Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7551268(L2) **Analyst Observation:** Black Mastic **Location:** 4th Floor R447b
Client No.: SU-89 **Client Description:** 12x12 Beige Speckled Floor Tile **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected None Detected 100

Lab No.: 7551269 **Analyst Observation:** Grey Plaster **Location:** Penthouse R-P1
Client No.: SU-90 **Client Description:** Ceiling Texture Coat **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
PC 2.5 Chrysotile None Detected 97.5

Lab No.: 7551270 **Analyst Observation:** Grey Plaster **Location:** Penthouse R-P2
Client No.: SU-91 **Client Description:** Ceiling Texture Coat **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
PC 2.7 Chrysotile None Detected 97.3

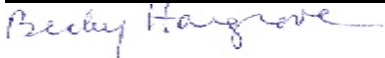
Lab No.: 7551271 **Analyst Observation:** Grey Plaster **Location:** Penthouse R-P6
Client No.: SU-92 **Client Description:** Ceiling Texture Coat **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
PC 2.4 Chrysotile None Detected 97.6

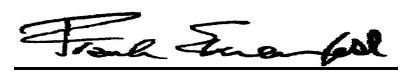
Lab No.: 7551272 **Analyst Observation:** Grey Insulation **Location:** Penthouse R-P4
Client No.: SU-93 **Client Description:** Parging On Fittings **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
70 Chrysotile None Detected 30

Sample received wet

Lab No.: 7551273 **Analyst Observation:** Grey Plaster **Location:** Penthouse R-P7
Client No.: SU-94 **Client Description:** Wall Parging **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected None Detected 100

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

Date Received: 1/9/2023
Date Analyzed: 01/17/2023
Signature: 
Analyst: Rebecca Hargrove

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: 1/17/2023
Report No.: 675965 - PLM
Project: Sullivan Bldg
Project No.: PE22400

Client: ALL131

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7551274
Client No.: SU-95

Analyst Observation: Grey Plaster
Client Description: Wall Parging

Location: Penthouse R-P7
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7551275
Client No.: SU-96

Analyst Observation: Grey Plaster
Client Description: Wall Parging

Location: Penthouse R-P7
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: 1/9/2023
Date Analyzed: 01/17/2023
Signature: *Rebecca Hargrove*
Analyst: Rebecca Hargrove

Approved By: *Frank E. Ehrenfeld, III*
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: 1/17/2023
Report No.: 675965 - PLM
Project: Sullivan 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: 1/17/2023
Report No.: 675965 - PLM
Project: Sullivan 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 gänge, 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

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

Report Date: 1/17/2023
Report No.: 675965 - PLM
Project: Sullivan 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.

CERTIFICATE OF ANALYSIS

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

Report Date: 6/8/2023
Report No.: 684579 - PLM
Project: Sullivan Bldg
Project No.: PE22400

Client: ALL131

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7624702
Client No.: SU-97

Analyst Observation: Grey Insulation
Client Description: Duct Parging Cement

Location: Basement Room B37
Facility:


Percent Asbestos:
65 Chrysotile

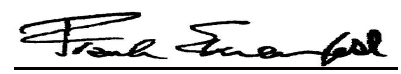
Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
35

Sample received wet

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

Date Received: 6/7/2023
Date Analyzed: 06/08/2023
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: 6/8/2023
Report No.: 684579 - PLM
Project: Sullivan 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: 6/8/2023
Report No.: 684579 - PLM
Project: Sullivan 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

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

Report Date: 6/8/2023
Report No.: 684579 - PLM
Project: Sullivan 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.



EMSL Canada Inc.

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Phone/Fax: (289) 997-4602 / (289) 997-4607
<http://www.EMSL.com> / torontolab@emsl.com

EMSL Canada Order 552306253
Customer ID: 55ATES44
Customer PO: PE22400
Project ID:

Attn: Larry G. Koughan
All-Tech Environmental Services Ltd.
162 Tridel Crescent
Dartmouth, NS B3B 1R6
Phone: (902) 835-3727
Fax: (902) 835-5266
Collected:
Received: 4/26/2023
Analyzed: 5/03/2023
Proj: Sullivan Building PE22400

Summary Test Report for Asbestos Analysis of Bulk Materials for Nova Scotia Code of Practice Section 66 OHS Act - Asbestos in the Workplace

Client Sample ID: SU-101 **Lab Sample ID:** 552306253-0001
Sample Description: Parging on duct / Mechanical room #515

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/03/2023	Gray	0.0%	35.0%	65% Chrysotile	

Client Sample ID: SU-102 **Lab Sample ID:** 552306253-0002
Sample Description: Parging on duct / 5th floor

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/03/2023	Gray	0.0%	45.0%	55% Chrysotile	

Analyst(s):
Natalie D'Amico PLM (2)

Reviewed and approved by:

Matthew Davis or other approved signatory
or Other Approved Signatory

None Detected = <0.1%. EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This is a summary report; official reports are available on LabConnect or upon request and relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Canada Inc. Mississauga, ON NVLAP Lab Code 200877-0

Initial report from: 05/03/2023 15:26:34

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


Report Date: 1/16/2023
Report No.: 675943 - Lead Paint
Project: Sullivan Bldg
Project No.: PE22400


Client: ALL131

LEAD PAINT SAMPLE ANALYSIS SUMMARY

Lab No.: 7550558 Client No.: SUP-01	Description: White Wall Paint Location: Basement Corridor Outside R-B32	Result (% by Weight): 0.064 Result (ppm): 640 Comments: ***
Lab No.: 7550559 Client No.: SUP-02	Description: Light Green Floor Paint Location: Basement Corridor Outside R-B33	Result (% by Weight): <0.0067 Result (ppm): <67 Comments:
Lab No.: 7550560 Client No.: SUP-03	Description: Grey Door Trim Paint Location: Basement Outside R-B37	Result (% by Weight): 0.020 Result (ppm): 200 Comments: ***
Lab No.: 7550561 Client No.: SUP-04	Description: Red Floor Paint Location: Basement R-B33	Result (% by Weight): 0.055 Result (ppm): 550 Comments:
Lab No.: 7550562 Client No.: SUP-05	Description: Grey Floor Paint Location: Basement R-B67 Mechanical Room	Result (% by Weight): 0.051 Result (ppm): 510 Comments:
Lab No.: 7550563 Client No.: SUP-06	Description: Blue Door Paint Location: Basement Cafeteria R-B14	Result (% by Weight): <0.0069 Result (ppm): <69 Comments: ***
Lab No.: 7550564 Client No.: SUP-07	Description: Green Paint Location: Basement Cafeteria R-B14	Result (% by Weight): <0.011 Result (ppm): <110 Comments: *
Lab No.: 7550565 Client No.: SUP-08	Description: Pink Paint Location: Basement Corridor Outside Cafeteria R-B14	Result (% by Weight): 0.033 Result (ppm): 330 Comments:

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

Date Received: 1/9/2023
Date Analyzed: 01/16/2023
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: 1/16/2023
Report No.: 675943 - Lead Paint
Project: Sullivan Bldg
Project No.: PE22400

Client: ALL131

LEAD PAINT SAMPLE ANALYSIS SUMMARY

Lab No.: 7550566 **Description:** White Wall Paint **Result (% by Weight):** <0.0091
Client No.: SUP-09 **Location:** 1st Floor Corridor 171 **Result (ppm):** <91
Comments:

Lab No.: 7550567 **Description:** Green Door Paint **Result (% by Weight):** 0.036
Client No.: SUP-10 **Location:** 1st Floor Corridor 171 **Result (ppm):** 360
Comments: ***

Lab No.: 7550568 **Description:** White Wall Paint **Result (% by Weight):** 0.028
Client No.: SUP-11 **Location:** 2nd Floor Corridor Outside R-211 **Result (ppm):** 280
Comments:

Lab No.: 7550569 **Description:** Grey Door Trim Paint **Result (% by Weight):** <0.014
Client No.: SUP-12 **Location:** 2nd Floor Corridor Outside R-211 **Result (ppm):** <140
Comments: *


Lab No.: 7550570 **Description:** Grey Door Trim Paint **Result (% by Weight):** 0.0093
Client No.: SUP-13 **Location:** 3rd Floor Corridor Outside R-308 **Result (ppm):** 93
Comments:


Lab No.: 7550571 **Description:** White Wall Paint **Result (% by Weight):** 0.017
Client No.: SUP-14 **Location:** 3rd Floor Corridor Outside R-308 **Result (ppm):** 170
Comments: ***

Lab No.: 7550572 **Description:** Light Green Paint **Result (% by Weight):** <0.0061
Client No.: SUP-15 **Location:** 5th Floor R-575 **Result (ppm):** <61
Comments: ***

Lab No.: 7550573 **Description:** Dark Blue Door Paint **Result (% by Weight):** 0.033
Client No.: SUP-16 **Location:** 5th Floor R-543 **Result (ppm):** 330
Comments: ***

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

Date Received: 1/9/2023
Date Analyzed: 01/16/2023
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: 1/16/2023
Report No.: 675943 - Lead Paint
Project: Sullivan Bldg
Project No.: PE22400

Client: ALL131

LEAD PAINT SAMPLE ANALYSIS SUMMARY

Lab No.: 7550574
Client No.: SUP-17

Description: Light Green Wall Paint
Location: 4th Floor Corridor Outside R-423

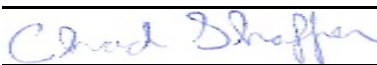
Result (% by Weight): 0.047
Result (ppm): 470
Comments:

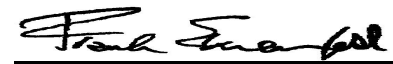
Lab No.: 7550575
Client No.: SUP-18

Description: Grey Door Paint
Location: 4th Floor Corridor Outside R-422

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: 1/9/2023
Date Analyzed: 01/16/2023
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: 1/16/2023
Report No.: 675943 - Lead Paint
Project: Sullivan 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:

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: 1/16/2023
Report No.: 675943 - Lead Paint
Project: Sullivan 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

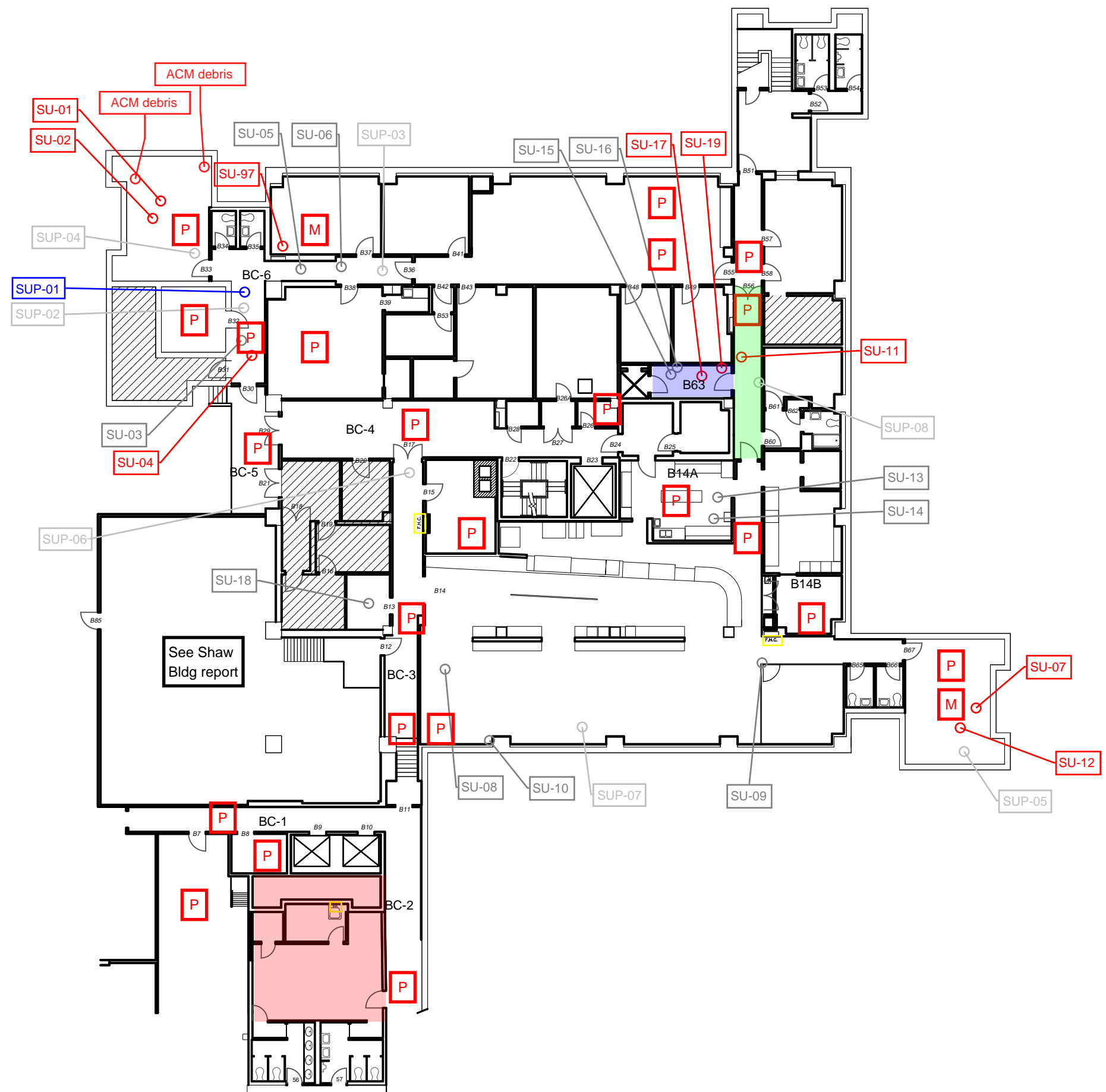
PE22400
SULLIVAN BUILDING
16 FITZROY ST
CHARLOTTETOWN PEI

Drawing: SULLIVAN BUILDING BASEMENT FLOOR

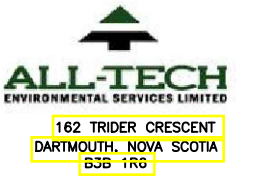
Design: LK
Date: FEB_2023
Drawn: AJH
Date: MAR_2023

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 7
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

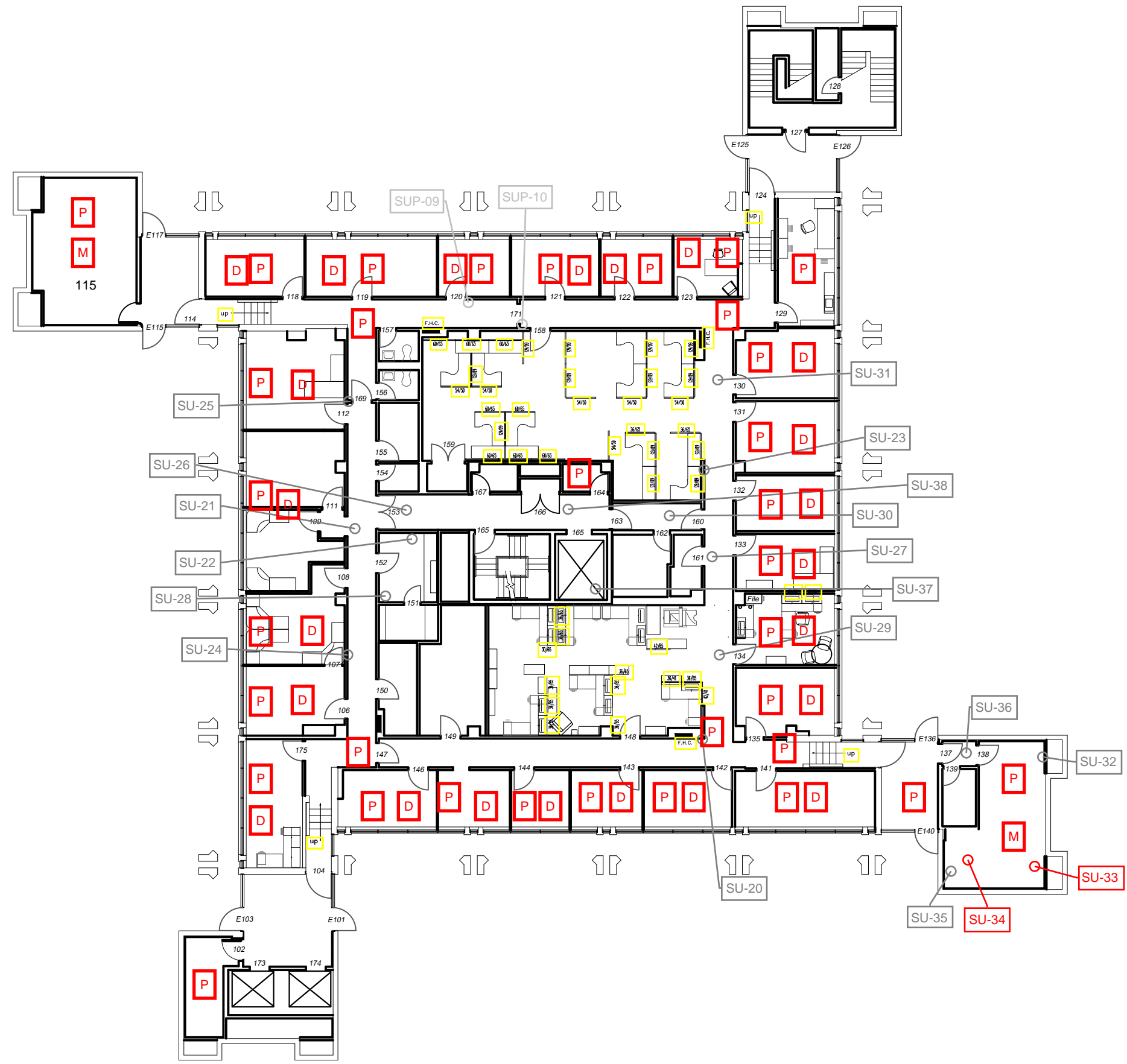
proj
PE22400
SULLIVAN BUILDING
16 FITZROY ST
CHARLOTTETOWN PEI

Drawing dessin
SULLIVAN BUILDING
1ST FLOOR

Design LK concu
Date FEB_2023
Drawn AJH dessin
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 7
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

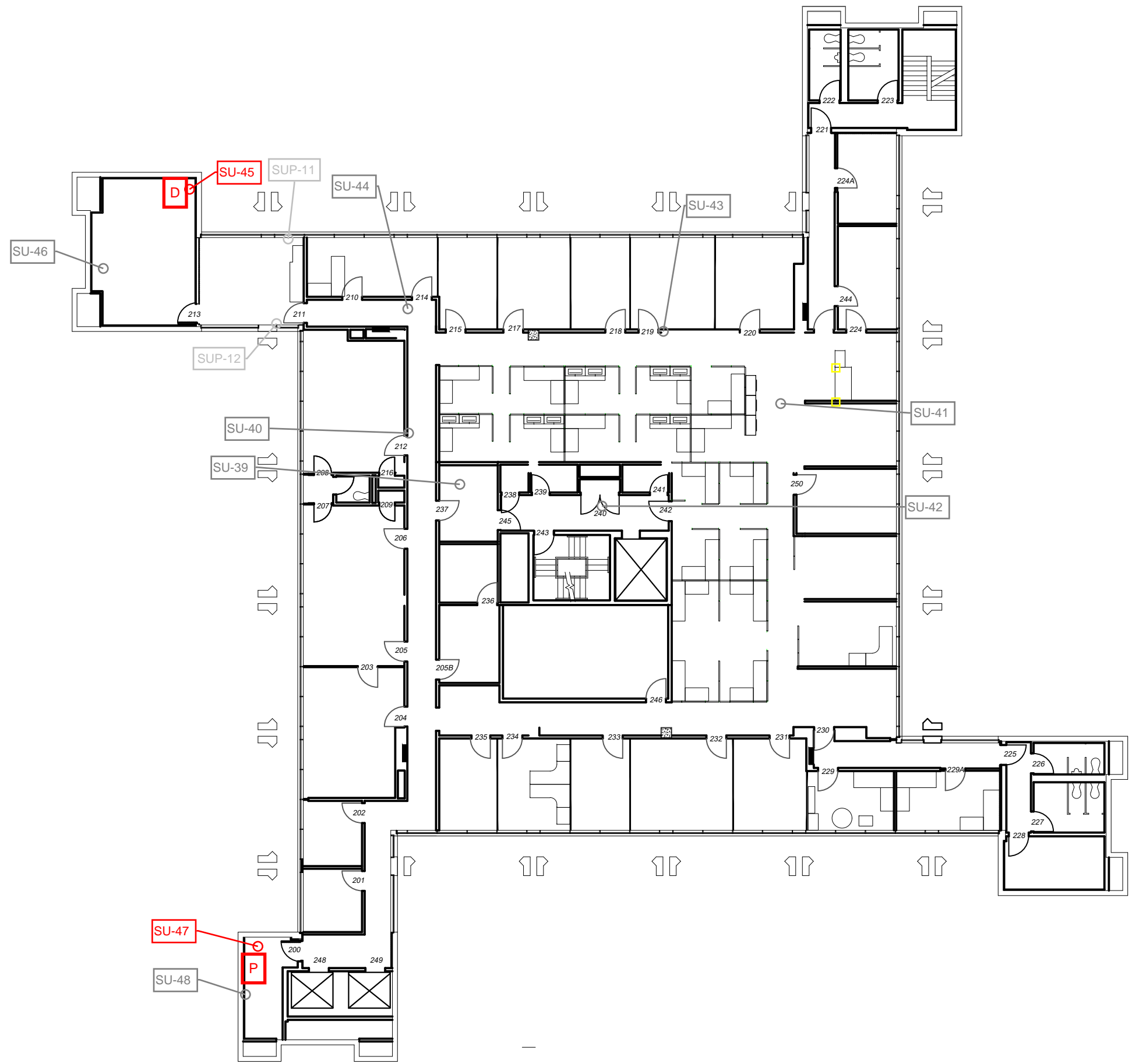
PE22400
SULLIVAN BUILDING
16 FITZROY ST
CHARLOTTETOWN PEI

Drawing: SULLIVAN BUILDING 2ND FLOOR

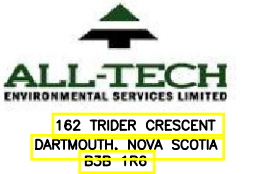
Design: LK
Date: FEB_2023
Drawn: AJH
Date: MAR_2023

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 7
Scale: NOT TO SCALE



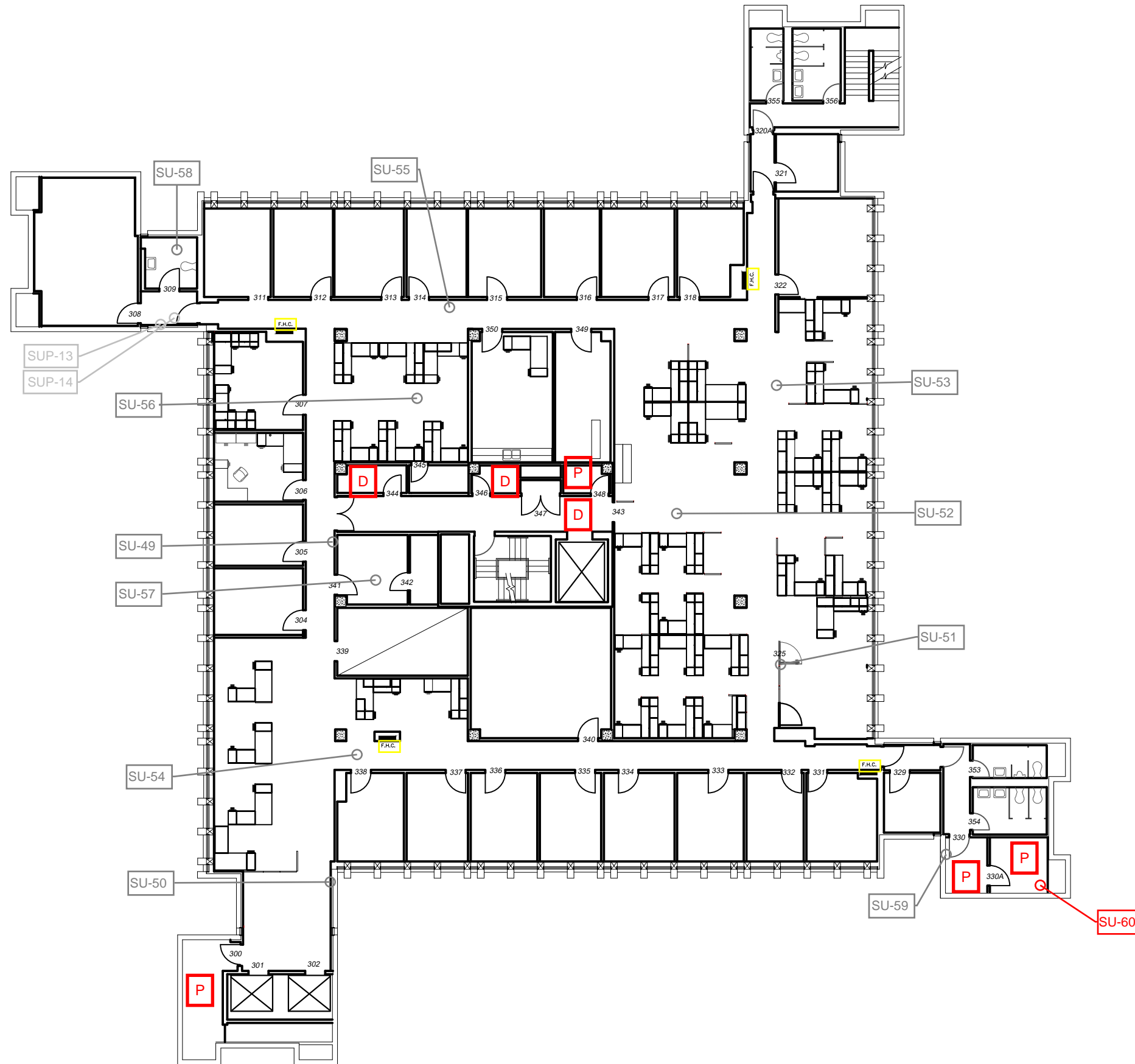
ASBESTOS SURVEY BY



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
SULLIVAN BUILDING
16 FITZROY ST
CHARLOTTETOWN PEI

Drawing: SULLIVAN 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 7
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

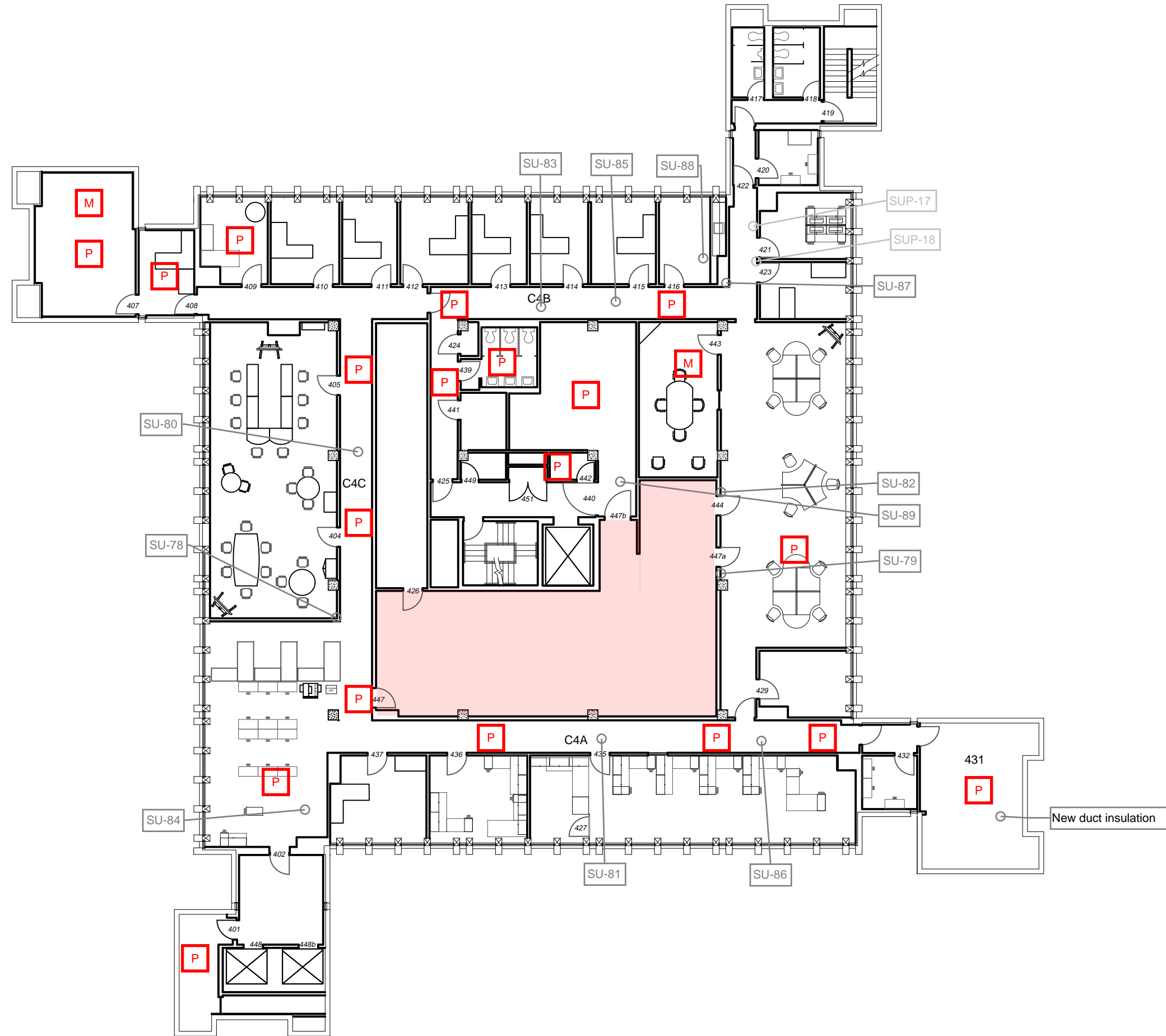
PE22400
SULLIVAN BUILDING
16 FITZROY ST
CHARLOTTETOWN PEI

Drawing
SULLIVAN 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 7
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

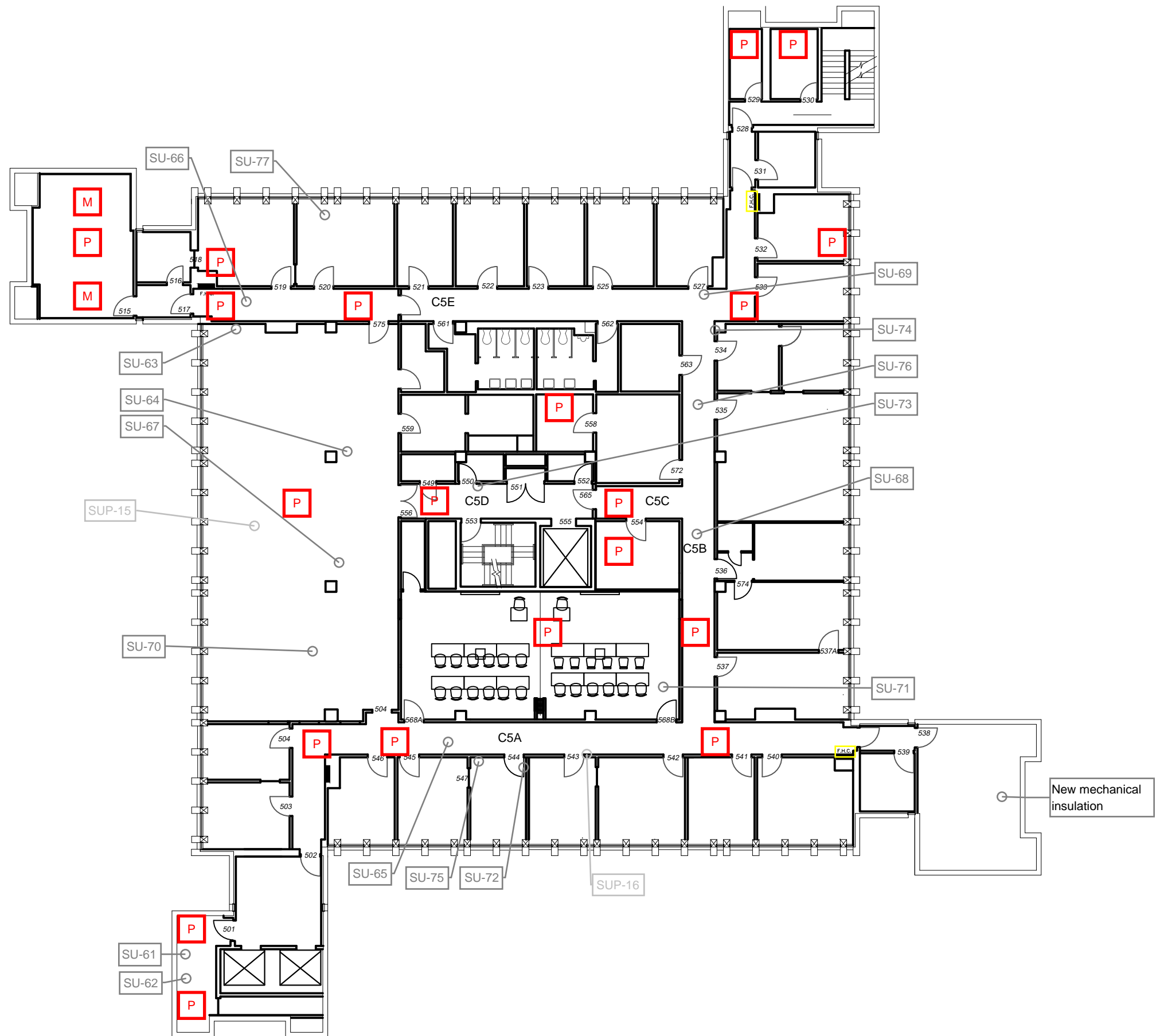
PE22400
SULLIVAN BUILDING
16 FITZROY ST
CHARLOTTETOWN PEI

Drawing design
**SULLIVAN BUILDING
5TH FLOOR**

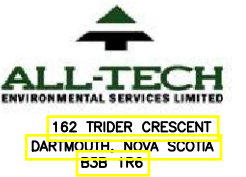
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Date FEB_2023
Draw AJH desine
Date MAR_2023

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 7
Scale NOT TO SCALE
Revisions Date

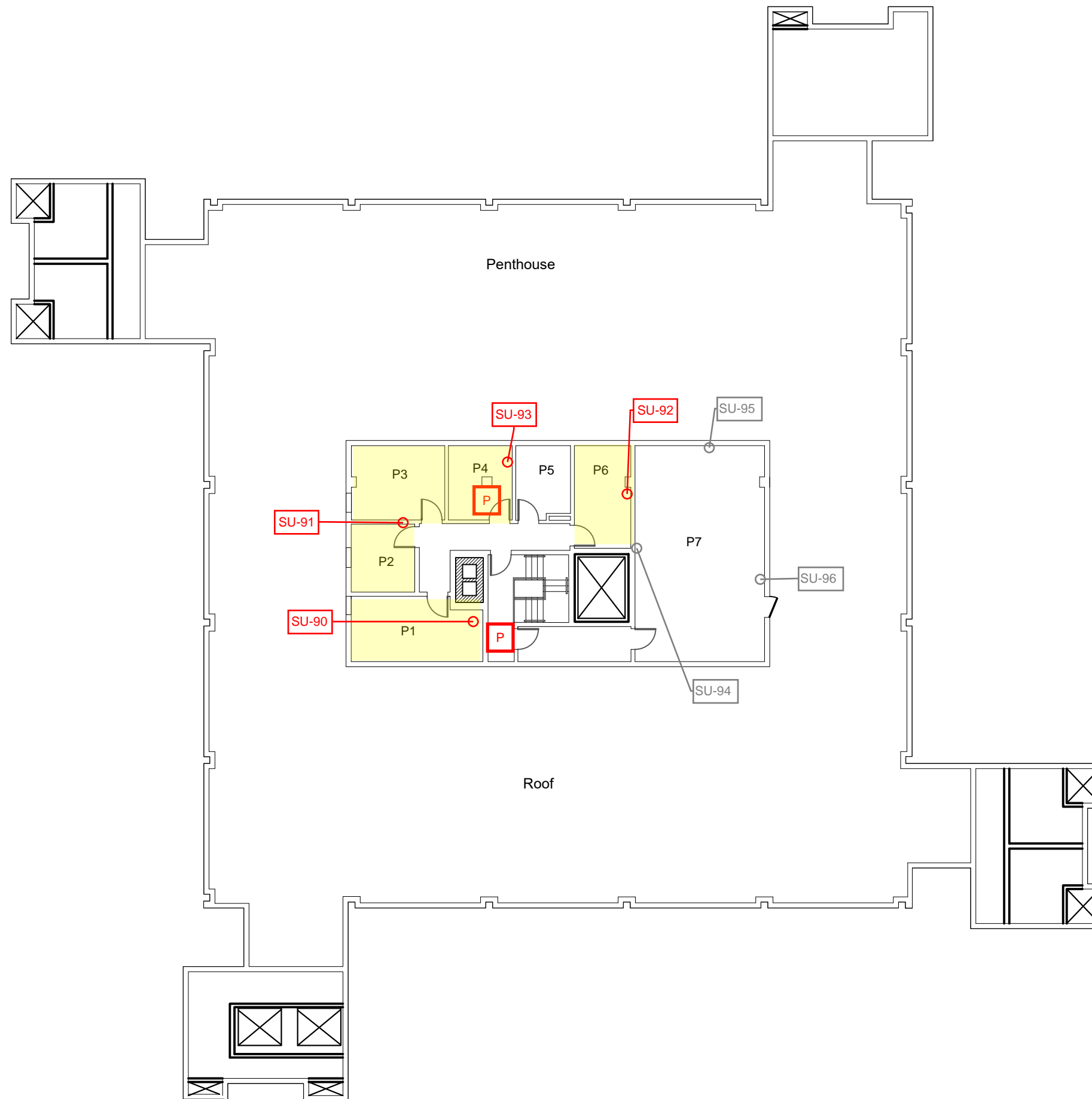


ASBESTOS SURVEY BY



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
SULLIVAN BUILDING
16 FITZROY ST
CHARLOTTETOWN PEI

Drawing design
SULLIVAN BUILDING
ROOF 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: 7 OF 7
Scale: NOT TO SCALE
Revisions: Date



APPENDIX IV


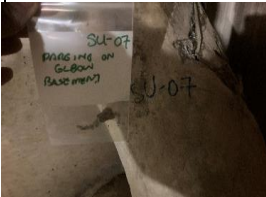
Summary of ACM conditions report

Sullivan 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
BC-1	Corridor	VSU-04	Parging cement on pipe fittings	Chrysotile 15%	10 units	F	C	Good / Fair	5	
BC-2	Corridor	VSU-04	Parging cement on pipe fittings	Chrysotile 15%	3 units	F	C	Good / Fair	5	
BC-3	Corridor	VSU-04	Parging cement on pipe fittings	Chrysotile 15%	10 units	F	C	Good / Fair	5	
BC-4	Corridor	VSU-04	Parging cement on pipe fittings	Chrysotile 15%	30 units	F	C	Good / Fair	5	
BC-5	Corridor	VSU-04	Parging cement on pipe fittings	Chrysotile 15%	28 units	F	C	Good / Fair	5	
BC-6	Corridor	SU-04	Parging cement on pipe fittings	Chrysotile 15%	4 units	F	C	Good / Fair	5	
B7	Electrical room	VSU-04	Parging cement on pipe fittings	Chrysotile 15%	10 units	F	B	Good / Fair	5	
B8	Storage	VSU-04	Parging cement on pipe fittings	Chrysotile 15%	4 units	F	C	Good / Fair	5	
B14	Cafeteria	VSU-04	Parging cement on pipe fittings	Chrysotile 15%	12 units	F	C	Good / Fair	5	
B14A	Kitchen	VSU-04	Parging cement on pipe fittings	Chrysotile 15%	30 units	F	C	Good / Fair	5	
B14B	Storage	VSU-04	Parging cement on pipe fittings	Chrysotile 15%	2 units	F	C	Good / Fair	5	
B15	Electrical room	VSU-04	Parging cement on pipe fittings	Chrysotile 15%	4 units	F	B	Good / Fair	5	
B26	Storage	VSU-04	Parging cement on pipe fittings	Chrysotile 15%	14 units	F	C	Good / Fair	5	
B32	Storage	VSU-04	Parging cement on pipe fittings	Chrysotile 15%	3 units	F	C	Good / Fair	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
B33	Mechanical room	SU-01 SU-02	Parging cement on pipe fittings	Chrysotile 10%	35 units ACM debris	F	B	Poor	1	
B37	Storage	SU-97	Parging cement on duct insulation	Chrysotile 65%	6.6 m	F	C	Good / Fair	5	
B38	Storage	VSU-04	Parging cement on pipe fittings	Chrysotile 15%	4 units	F	C	Good / Fair	5	
B55	Pharmacy	VSU-04	Parging cement on pipe fittings	Chrysotile 15%	22 units	F	C	Good / Fair	5	
B56	Corridor	SU-11	9" x 9" cream colour vinyl floor tile	Chrysotile 2.7%	13 m2	NF	A	Good	5	
		SU-11	Black mastic under tile	Chrysotile 2%	13 m2	NF	D	Good	5	
		VSU-07	Parging cement on pipe fittings	Chrysotile 15%	15 units	F	C	Good / Fair	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
B63	Storage	SU-17	24" x 48" acoustic ceiling tile	Chrysotile 1.1%	10.2 m2	F	C	Good	5	
		SU-19	9" x 9" beige colour vinyl floor tile	Chrysotile 4.4%	10.2 m2	NF	A	Good	5	
		SU-19	Black mastic under tile	Chrysotile 1.3%	10.2 m2	NF	D	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
B67	Mechanical room	SU-12	Parging cement on duct insulation	Chrysotile 20%	7.6 m	F	B	Good / Fair	5	
		SU-07	Parging cement on pipe fittings	Chrysotile 15%	18 units	F	B	Good / Fair	5	

LEGEND	
Sample Number Identifiers	
SU-##	actual sample number
VSU-##	visually identified same as this sample number
Units	
EA	Each
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		

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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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.		

Sullivan Building (1st floor) - 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
102	Storage	VSU-34	Parging cement on pipe fittings	Chrysotile 15%	20 units	F	C	Good	5	
106	Office	VSU-34	Parging cement on pipe fittings	Chrysotile 15%	4 units	F	C	Fair	5	
		VSU-45	Brown mastic on duct	Chrysotile 10%	minor	NF	C	Good	5	
108	Office	VSU-34	Parging cement on pipe fittings	Chrysotile 15%	6 units	F	C	Fair	5	
		VSU-45	Brown mastic on duct	Chrysotile 10%	minor	NF	C	Good	5	
111	Office	VSU-34	Parging cement on pipe fittings	Chrysotile 15%	8 units	F	C	Fair	5	
		VSU-45	Brown mastic on duct	Chrysotile 10%	minor	NF	C	Good	5	
112	Office	VSU-34	Parging cement on pipe fittings	Chrysotile 15%	4 units	F	C	Fair	5	
		VSU-45	Brown mastic on duct	Chrysotile 10%	minor	NF	C	Good	5	
115	Mechanical room	VSU-34	Parging cement on pipe fittings	Chrysotile 15%	10 units	F	B	Good	5	
		VSU-33	Parging cement on duct insulation	Chrysotile 15%	5.5 m	F		Good	5	
118	Office	VSU-34	Parging cement on pipe fittings	Chrysotile 15%	4 units	F	C	Fair	5	
		VSU-45	Brown mastic on duct	Chrysotile 10%	minor	NF	C	Good	5	
119	Office	VSU-34	Parging cement on pipe fittings	Chrysotile 15%	8 units	F	C	Fair	5	
		VSU-45	Brown mastic on duct	Chrysotile 10%	minor	NF	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
120	Office	VSU-34	Parging cement on pipe fittings	Chrysotile 15%	4 units	F	C	Fair	5	
		VSU-45	Brown mastic on duct	Chrysotile 10%	minor	NF	C	Good	5	
121	Office	VSU-34	Parging cement on pipe fittings	Chrysotile 15%	10 units	F	C	Fair	5	
		VSU-45	Brown mastic on duct	Chrysotile 10%	minor	NF	C	Good	5	
122	Office	VSU-34	Parging cement on pipe fittings	Chrysotile 15%	4 units	F	C	Fair	5	
		VSU-45	Brown mastic on duct	Chrysotile 10%	minor	NF	C	Good	5	
123	Office	VSU-34	Parging cement on pipe fittings	Chrysotile 15%	10 units	F	C	Fair	5	
		VSU-45	Brown mastic on duct	Chrysotile 10%	minor	NF	C	Good	5	
129	Office	VSU-34	Parging cement on pipe fittings	Chrysotile 15%	10 units	F	C	Fair	5	
		VSU-45	Brown mastic on duct	Chrysotile 10%	minor	NF	C	Good	5	
130	Office	VSU-34	Parging cement on pipe fittings	Chrysotile 15%	4 units	F	C	Fair	5	
		VSU-45	Brown mastic on duct	Chrysotile 10%	minor	NF	C	Good	5	
131	Office	VSU-34	Parging cement on pipe fittings	Chrysotile 15%	4 units	F	C	Fair	5	
		VSU-45	Brown mastic on duct	Chrysotile 10%	minor	NF	C	Good	5	
132	Office	VSU-34	Parging cement on pipe fittings	Chrysotile 15%	4 units	F	C	Fair	5	
		VSU-45	Brown mastic on duct	Chrysotile 10%	minor	NF	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
133	Office	VSU-34	Parging cement on pipe fittings	Chrysotile 15%	4 units	F	C	Fair	5	
		VSU-45	Brown mastic on duct	Chrysotile 10%	minor	NF	C	Good	5	
134	Office	VSU-34	Parging cement on pipe fittings	Chrysotile 15%	8 units	F	C	Fair	5	
		VSU-45	Brown mastic on duct	Chrysotile 10%	minor	NF	C	Good	5	
135	Office	VSU-34	Parging cement on pipe fittings	Chrysotile 15%	4 units	F	C	Fair	5	
		VSU-45	Brown mastic on duct	Chrysotile 10%	minor	NF	C	Good	5	
137	Office	VSU-34	Parging cement on pipe fittings	Chrysotile 15%	6 units	F	C	Fair	5	
138	Mechanical room	SU-34	Parging cement on pipe fittings	Chrysotile 15%	30 units	F	B	Good	5	
		SU-33	Parging cement on duct insulation	Chrysotile 15%	3.7 m	F		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
141	Office	VSU-34	Parging cement on pipe fittings	Chrysotile 15%	3 units	F	C	Fair	5	
		VSU-45	Brown mastic on duct	Chrysotile 10%	minor	NF	C	Good	5	
142	Office	VSU-34	Parging cement on pipe fittings	Chrysotile 15%	4 units	F	C	Fair	5	
		VSU-45	Brown mastic on duct	Chrysotile 10%	minor	NF	C	Good	5	
143	Office	VSU-34	Parging cement on pipe fittings	Chrysotile 15%	4 units	F	C	Fair	5	
		VSU-45	Brown mastic on duct	Chrysotile 10%	minor	NF	C	Good	5	
144	Office	VSU-34	Parging cement on pipe fittings	Chrysotile 15%	4 units	F	C	Fair	5	
		VSU-45	Brown mastic on duct	Chrysotile 10%	minor	NF	C	Good	5	
145	Office	VSU-34	Parging cement on pipe fittings	Chrysotile 15%	7 units	F	C	Fair	5	
		VSU-45	Brown mastic on duct	Chrysotile 10%	minor	NF	C	Good	5	
146	Office	VSU-34	Parging cement on pipe fittings	Chrysotile 15%	6 units	F	C	Fair	5	
		VSU-45	Brown mastic on duct	Chrysotile 10%	minor	NF	C	Good	5	
164	Janitor room	VSU-34	Parging cement on pipe fittings	Chrysotile 15%	8 units	F	B	Fair Poor	3	
175	Office	VSU-34	Parging cement on pipe fittings	Chrysotile 15%	6 units	F	C	Fair	5	
		VSU-45	Brown mastic on duct	Chrysotile 10%	minor	NF	C	Good	5	
	Corridors	VSU-34	Parging cement on pipe fittings	Chrysotile 15%	25 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	
SU-##	actual sample number	EA	Each
VSU-##	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.		

Sullivan Building (2nd floor) - 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
Suspect ACM fittings above solids ceilings - No access										

LEGEND			
Sample Number Identifiers		Units	
SU-##	actual sample number	EA	Each
VSU-##	visually identified same as this sample number	m	meters
		m2	square metres
		m3	cubic metres

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.		

Sullivan Building (3rd floor) - 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
300	Storage	VSU-60	Parging cement on pipe fittings	Chrysotile 40%	7 units	F	B	Good	5	
330	Storage	VSU-60	Parging cement on pipe fittings	Chrysotile 40%	2 units	F	B	Good	5	
330A	Storage	SU-60	Parging cement on pipe fittings	Chrysotile 40%	2 units 2 units	F	B	Good Poor	5 4	
344	Storage	VSU-45	Brown mastic on duct	Chrysotile 10%	minor	NF	C	Good	5	
346	Storage	VSU-45	Brown mastic on duct	Chrysotile 10%	minor	NF	C	Good	5	
348	Janitor room	VSU-60	Parging cement on pipe fittings	Chrysotile 40%	7 units 1 unit	F	B	Good Poor	5 4	

LEGEND

Sample Number Identifiers	
SU-##	actual sample number
VSU-##	visually identified same as this sample number

Units	
EA	Each
m	meters
m2	square metres
m3	cubic metres

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
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2	ACM Removal required for compliance.	5	Continued management and surveillance.
3	Proactive ACM Removal.		

Sullivan Building (4th floor) - 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
401	Storage	VSU-65	Parging cement on pipe fittings	Chrysotile 70%	12 units	F	B	Good	5	
402	Office	VSU-65	Parging cement on pipe fittings	Chrysotile 70%	2 units	F	C	Good	5	
407	Mechanical Room	VSU-65	Parging cement on pipe fittings	Chrysotile 70%	16 units	F	B	Good	5	
		SU-101	Parging cement on duct insulation	Chrysotile 65%	4.5 m	F	B	Fair	4	
408	Office	VSU-65	Parging cement on pipe fittings	Chrysotile 70%	5 units 1 unit	F	C	Good Poor	5 3	
409	Office	VSU-65	Parging cement on pipe fittings	Chrysotile 70%	2 units	F	C	Good	5	
425	Corridor	VSU-65	Parging cement on pipe fittings	Chrysotile 70%	1 units	F	C	Good	5	
431	Mechanical Room	VSU-65	Parging cement on pipe fittings	Chrysotile 70%	12 units	F	B	Good	5	
439	Washroom	VSU-65	Parging cement on pipe fittings	Chrysotile 70%	limited access	F	C	--	--	Removed June 2023

440	Storage	VSU-65	Parging cement on pipe fittings	Chrysotile 70%	12 units	F	B	Poor	3	
442	Storage	VSU-65	Parging cement on pipe fittings	Chrysotile 70%	7 units	F	B	Good	5	
443	Boardroom	VSU-102	Parging cement on duct insulation	Chrysotile 45%	1.8 m	F	C	Poor	2	
444	Office	VSU-65	Parging cement on pipe fittings	Chrysotile 70%	10 units	F	C	Good	5	
C4A	Corridor	VSU-65	Parging cement on pipe fittings	Chrysotile 70%	12 units	F	C	Good	5	
C4B	Corridor	VSU-65	Parging cement on pipe fittings	Chrysotile 70%	12 units	F	C	Good	5	
C4C	Corridor	VSU-65	Parging cement on pipe fittings	Chrysotile 70%	12 units	F	C	Good	5	

LEGEND**Sample Number Identifiers**

SU-##	actual sample number
VSU-##	visually identified same as this sample number

Units

EA	Each
m	meters
m2	square metres
m3	cubic metres

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.		

Sullivan Building (5th floor) - 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)	Notes
501	Mechanical Room	VSU-65	Parging cement on pipe fittings	Chrysotile 70%	7 units	F	B	Good	5	
515	Mechanical Room	VSU-65	Parging cement on pipe fittings	Chrysotile 70%	30 units	F	B	Good	5	Removed May 2023
		SU-101	Parging cement on duct insulation	Chrysotile 65%	3.2 m3	F	B	Good / Poor *0.25 m3 in poor condition	5 / 4	
519	Office	VSU-65	Parging cement on pipe fittings	Chrysotile 70%	4 units	F	C	Good	5	Removed May 2023
		VSU-102	Parging cement on duct insulation	Chrysotile 45%	26.5 m	F	C	Poor	2	Removed May 2023
520	Office	VSU-102	Parging cement on duct insulation	Chrysotile 45%		F	C	Poor	2	
521	Office	VSU-102	Parging cement on duct insulation	Chrysotile 45%		F	C	Poor	2	
522	Office	VSU-102	Parging cement on duct insulation	Chrysotile 45%		F	C	Poor	2	
523	Office	VSU-102	Parging cement on duct insulation	Chrysotile 45%		F	C	Poor	2	

525	Office	VSU-102	Parging cement on duct insulation	Chrysotile 45%		F	C	Poor	2	
527	Office	VSU-102	Parging cement on duct insulation	Chrysotile 45%		F	C	Poor	2	
529	Storage	VSU-65	Parging cement on pipe fittings	Chrysotile 70%	3 units	F	B	Good	5	'Removed May 2023
530	Storage	VSU-65	Parging cement on pipe fittings	Chrysotile 70%	4 units	F	B	Good	5	'Removed May 2023
532	Office	VSU-65	Parging cement on pipe fittings	Chrysotile 70%	2 units	F	C	Good	5	'Removed May 2023
542	Office	SU-102	Parging cement on duct insulation	Chrysotile 45%	17.5 m	F	C	Poor	2	Removed May 2023
543	Office	VSU-102	Parging cement on duct insulation	Chrysotile 45%		F	C	Poor	2	
544	Office	VSU-102	Parging cement on duct insulation	Chrysotile 45%		F	C	Poor	2	
545	Office	VSU-102	Parging cement on duct insulation	Chrysotile 45%		F	C	Poor	2	
546	Office	VSU-102	Parging cement on duct insulation	Chrysotile 45%		F	C	Poor	2	
554	Office	VSU-65	Parging cement on pipe fittings	Chrysotile 70%	2 units	F	C	Poor	3	'Removed May 2023
558	Office	VSU-65	Parging cement on pipe fittings	Chrysotile 70%	6 units	F	C	Good	5	'Removed May 2023
568	Office	VSU-65	Parging cement on pipe fittings	Chrysotile 70%	30 units	F	C	Fair Poor	3	'Removed May 2023
575	Office	SU-64	Parging cement on pipe fittings	Chrysotile 70%	45	F	B	Fair Poor	3	'Removed May 2023

C5A	Corridor	SU-65	Parging cement on pipe fittings	Chrysotile 70%	12 units	F	B	Fair Poor	3	'Removed May 2023
C5B	Corridor	VSU-65	Parging cement on pipe fittings	Chrysotile 70%	6 units	F	B	Fair Poor	3	
C5C	Corridor	VSU-65	Parging cement on pipe fittings	Chrysotile 70%	10 units 2 units	F	B	Good Fair	5 3	
C5D	Corridor	VSU-65	Parging cement on pipe fittings	Chrysotile 70%	6 units 2 units	F	B	Good Fair	5 3	
C5E	Corridor	VSU-65	Parging cement on pipe fittings	Chrysotile 70%	24 units	F	B	Poor	2	

LEGEND			
Sample Number Identifiers			
SU-##	actual sample number		
VSU-##	visually identified same as this sample number		
		Units	
		EA	Each
		m	meters
		m2	square metres
		m3	cubic metres

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.		

Sullivan Building (Penthouse) - 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
P1	Storage	SU-90	Ceiling texture coat	Chrysotile 2.5%	18 m2	NF	C	Good	5	
P2	Storage	SU-91	Ceiling texture coat	Chrysotile 2.7%	9 m2	NF	C	Good	5	
P3	Storage	VSU-90	Ceiling texture coat	Chrysotile 2.5%	15 m2	NF	C	Good	5	
P4	Storage	VSU-90	Ceiling texture coat	Chrysotile 2.5%	9 m2	NF	C	Good	5	
		SU-93	Parging cement on pipe fittings	Chrysotile 70%	2 units	F	C	Good	5	
P6	Storage	SU-92	Ceiling texture coat	Chrysotile 2.4%	13 m2	NF	C	Good	5	
	Corridor	VSU-93	Parging cement on pipe fittings	Chrysotile 70%	2 units	F	C	Good	5	

LEGEND

Sample Number Identifiers		Units	
SU-##	actual sample number	EA	Each
VSU-##	visually identified same as this sample number	m	meters
		m2	square metres
		m3	cubic metres

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

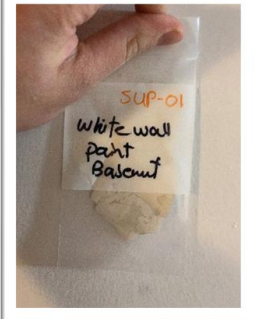
1	Immediate Clean-up of Debris that is likely to be disturbed.	4	ACM repair
2	ACM Removal required for compliance.	5	Continued management and surveillance.
3	Proactive ACM Removal.		

APPENDIX V

Summary of other Hazardous Materials report

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



Lead Paint

Room No.	Location	Sample No.	Paint colour / substrate	Lead Content (%)	Comments	Photo
Corridor	Basement	SUP-01	White paint / Wall surface	0.064	All like painted surfaces to be treated as lead based paints	

Silica

Room No.	Location	Sample No.	Material	Comments	Photo
NA	Basement	NA	Concrete floor; walls; exterior concrete		

PCB's

	random ballasts throughout	NA	CGE Gold Label lamp ballasts Serial No. 17A240N confirmed PCB ballasts through Health Canada's "Identification of Lamp Ballasts containing PCB's".	 <p style="text-align: center;">Typical lights</p>	
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Sullivan Building (1st floor) - Summary of Hazardous Materials Report (2022)

Silica

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

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



Room No.	Location	Sample No.	Paint colour / substrate	Lead Content (%)	Comments	Photo
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Silica

Room No.	Location	Sample No.	Material	Comments	Photo
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NA	throughout	NA	Plasters; concrete		
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PCB's

random ballasts throughout	NA	<p>CGE Gold Label lamp ballasts Serial No. 17A240N confirmed PCB ballasts and non-ledgible ballasts through Health Canada's "Identification of Lamp Ballasts containing PCB's".</p>		
			Typical lights	

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

Silica

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

PCB's

random ballasts throughout	NA	CGE Gold Label lamp ballasts Serial No. 17A240N and Sola Sentry non-ledgible ballasts confirmed PCB ballasts through Health Canada's "Identification of Lamp Ballasts containing PCB's".		
			Typical lights	

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

Silica

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

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

Silica



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

Sullivan Building (Penthouse) - Summary of Hazardous Materials Report (2022)

Silica

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

PCB's

random ballasts throughout	NA	CGE Gold Label lamp ballasts Serial No. 17A240N and 17A240A ballasts confirmed PCB ballasts through Health Canada's "Identification of Lamp Ballasts containing PCB's".		
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Typical lights