HAZARDOUS MATERIALS SURVEY AND 2025 REASSESSMENT
TABARET HALL, OTTAWA, ON

Project No.: CCO-252985-00

Prepared for:
University of Ottawa

Prepared by:
Egis Canada Limited (Egis)

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Date:

February 25, 2026

egis

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2025 REASSESSMENT SURVEY

Egis Canada Limited **(Egis)** was retained by the University of Ottawa to complete a Hazardous Materials Survey for the building located at 75 Laurier Avenue, Ottawa, Ontario. Egis was also retained to reassess the condition of hazardous building materials found. The original survey was conducted on August 22nd to 30th, 2019. The reassessment was completed on January 22nd, 2025.

The purpose of the reassessment was to evaluate the condition and quantity of previously reported asbestos-containing materials (ACM) and develop corrective action plans as required for the purposes of long-term management.

The assessment and reassessment determined the following findings and recommendations.

Summary of the Reassessment Findings:

- ACM Drywall Joint Compound (DJC) was observed to be in Good Condition throughout the subject building.
- ACM Plaster finishes on Walls and Ceilings were observed to be in Good Condition throughout the subject building.
- ACM Mechanical Pipe Straight Insulation was observed to be in Good condition in select areas of the subject building.
- ACM Mechanical Pipe Fitting/Elbow Insulation was observed to be in Good condition in the subject building.
- ACM Ceiling Tiles were observed to be in Good Condition in select areas of the subject building.
- ACM Caulking on Interior Window Frames (Black) was observed to be in Good condition in select areas throughout of the subject building.
- ACM Brick Mortar was observed to be in Good Condition in select areas of the subject building.
- No mould or water damaged materials were observed during the site survey.

Summary of Recommendations:

- Perform a reassessment of asbestos materials on an annual basis.
- Sample any presumed ACM prior to alteration or maintained work if presumed ACM may be disturbed by the work.
- Perform a pre-construction assessment and remove all asbestos-containing materials (ACM) prior to alterations or maintenance work if ACM may be disturbed by the work.
- Follow appropriate safe work procedures when handling or disturbing asbestos.

- Any suspect building materials encountered that were not assessed as part of this survey, should be assumed to contain asbestos until proven otherwise by analytical testing.
- Follow appropriate safe work procedures when conducting work activities that involve disturbance of hazardous materials identified
- Prior to any renovations or demolition activities within the building, designated substances and hazardous materials must be decommissioned by a licensed contractor such that they are contained and not released to the environment during decommissioning as per O. Reg. 347/09- made under the Environmental Protection Act.

EXECUTIVE SUMMARY

Egis Canada Limited **(Egis)** was retained by the University of Ottawa, to complete a hazardous materials survey for the building located at 75 Laurier Avenue, Ottawa, Ontario. The original survey was conducted on August 22nd to 30th, 2019. The reassessment was completed on January 22nd, 2025.

The purpose of the survey was to determine the presence of building materials containing Designated Substances and other hazardous materials, as defined under the Ontario Occupational Health and Safety Act. Designated Substances are eleven chemical agents prescribed under Ontario Regulation 490/09. In addition, a visual assessment was conducted for the presence of polychlorinated biphenyls (PCBs), radioactive materials, ozone depleting substances (ODSs), other halocarbons and mould.

Based on the assessment conducted by Egis, the following ACMs were previously identified or suspected to be present in the building:

Table A: Summary of Asbestos-Containing Materials Identified

Material Description	Friable?	Location	Type of Asbestos
Drywall Joint Compound	-*	Throughout Building	Chrysotile
Plaster	Yes	Throughout Building	Chrysotile
Mechanical Pipe Insulation	Yes	Specific Areas Only	Chrysotile
Vinyl Floor Tiles	No	Specific Areas Only	Chrysotile
Ceiling Tiles	-*	Specific Areas Only	Chrysotile
Texture Coat	Yes	Specific Areas Only	Chrysotile
Caulking	No	Throughout Building	Chrysotile
Brick Mortar	No	Specific Areas Only	Chrysotile
Fire doors	No	Throughout Building	Suspected
Roofing Materials	N/A	Roof	Suspected

Note: Please refer to the complete report below for specific details and recommendations.

* As per O. Reg. 278/05, an asbestos record must indicate whether asbestos-containing materials (ACMs) are friable or non-friable, as friability influences the required work procedures for their disturbance or removal. However, for specific materials such as asbestos-containing drywall joint compound (DJC) and ceiling tiles (CT), the regulation provides prescriptive requirements regardless of friability. Consequently, this summary uses a dash (–) to indicate that friability is not applicable to DJC and CT.

All repairs or removal of asbestos-containing materials must be conducted according to Ontario Regulation 278/05, Regulation respecting Asbestos on Construction Projects and in Buildings and Repair Operations - made under the Occupational Health and Safety Act. Asbestos containing waste must also be handled and disposed of according to Ontario Regulation 347/90 as amended – made under the Environmental Protection Act. Any suspect building materials encountered that were not assessed as part of this survey, should be assumed to contain asbestos until proven otherwise by analytical testing;

Sub-trades working with or in close proximity to asbestos-containing material should be informed of its presence;

Given that asbestos containing materials (ACMs) have been identified and will likely remain in place, an Asbestos Management Plan (AMP) is therefore required and an inventory of ACMs must be kept on site. All ACMs must be routinely inspected to ensure no damage has occurred, and the inventory must be updated once in each 12-month period and as may be required based on expected changing site conditions, abatement and/or renovation activities.

Based on the assessment conducted by Egis, the following Designated Substances and Hazardous Materials were identified or suspected to be present in the building:

Table B: Summary of Designated Substances & Hazardous Materials Identified

Material Description	Location
Lead Paint	Specific Areas Only
Lead Acid Batteries	Throughout Building
Mercury Vapour	Throughout Building
Ozone Depleted Substances	Specific Areas Only
Silica	Throughout Building

Note: Please refer to the complete report below for specific details and recommendations.

Designated Substances area regulated under Ontario Regulation 490/09 — Designated Substances, made under the Ontario Health and Safety Act, which applies to controlling designated substances in the workplace.

In addition to Ontario Regulation 490/09, the following guidelines must also be adhered to when conducting work activities that that involve disturbance of the above-mentioned materials:

- Guideline: Lead on Construction Projects, issued April 2011 by the Occupational Health and Safety branch of the Ministry of Labour
- Guideline: Silica on Construction Projects issued April 2011 by the Occupational Health and Safety branch of the Ministry of Labour.
- Environmental Abatement Council of Canada (EACC) Mould Abatement Guidelines.

Prior to any renovations or demolition activities within building, designated substances and hazardous materials must be decommissioned by a licensed contractor such that they are contained and not released to the environment during decommissioning as per O. Reg. 347/09- made under the Environmental Protection Act.

Any suspect building materials encountered that were not assessed as part of this survey, should be assumed to contain designated substances or hazardous materials until proven otherwise by analytical testing.

This report should be made available to contractors tendering on any renovation or demolition work. In turn, all contractors requesting tenders from subcontractors shall furnish this report to subcontractors.

This executive summary is not to be used alone. This report should be reviewed in its entirety.

February 25, 2026

University of Ottawa
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Ottawa, Ontario
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via email: martine.bergeron@uottawa.ca

Attention: Martine Bergeron, Senior Specialist, Occupational Health and Safety

Re: 75 Laurier Avenue, Ottawa, Ontario
Hazardous Materials Survey and 2025 Reassessment
Egis Canada Limited Reference No. CCO-252985-00

1.0 INTRODUCTION

In accordance with your instructions, Egis Canada Limited (Egis) carried out a Hazardous Materials Survey and 2025 Reassessment of the building located at 75 Laurier Avenue, Ottawa, Ontario. The original survey was conducted on August 22nd to 30th, 2019. The reassessment was completed on January 22nd, 2025.

The purpose of the survey was to determine the presence of building materials containing Designated Substances and other hazardous materials, as defined under the Ontario Occupational Health and Safety Act. Designated Substances are eleven chemical agents prescribed under Ontario Regulation 490/09. In addition, a visual assessment was conducted for the presence of polychlorinated biphenyls (PCBs), radioactive materials, ozone depleting substances (ODSs), other halocarbons and mould.

Egis completed the following,

- Visual review of the building to identify materials which could contain Designated Substances and hazardous materials;
- Review of previously completed Hazardous Materials Survey(s), Project-Specific Designated Substance Survey, historical building record(s), meeting with facility managers to review construction, abatement and renovations completed and,
- Recommendations for appropriate action where required.

2.0 PROPERTY DESCRIPTION

The subject building is a five (5) storey university building which contains lecture halls, lab spaces and University's central administration offices. The subject building was observed to be constructed with reinforced concrete; supported by steel trusses, beams and columns between 1905 and 1931. The interior walls were observed to be gypsum wallboard, plaster and concrete block. Within the subject building, ceilings were observed to be suspended ceiling tiles, plaster with select areas containing gypsum wallboard. The floors were generally polished concrete with the exception of select units containing vinyl floor tiles and carpet.

3.0 FINDINGS & RECOMMENDATIONS

Designated Substances

3.1 Asbestos

Previous Findings

Bulk samples were collected during the surveys and sent to an accredited laboratory for analysis. A summary of potential asbestos-containing samples collected along with the sample location, type and friability are presented in Table 1.

Laboratory certificates of analysis for asbestos are included in **Appendix C.**

Table 1:

Asbestos Laboratory Results

Sample ID	Location	Material	Type and Content	Friability
Sample Set #1				
BS 1.1	Room L012	VFT – 12" x 12" Beige w/ Black Dots	None Detected	N/A
BS 1.2	Room L012	VFT – 12" x 12" Beige w/ Black Dots	None Detected	N/A
BS 1.3	Room L012	VFT – 12" x 12" Beige w/ Black Dots	None Detected	N/A
		Mastic (Black)	None Detected	N/A
BS 2.1	Room W1032	VFT-12"x12" Grey w/ Black Dots	None Detected	N/A
BS 2.2	Room W1032	VFT-12"x12" Grey w/ Black Dots	None Detected	N/A
		Mastic (Black)	None Detected	N/A
BS 2.3	Room W1032	VFT-12"x12" Grey w/ Black Dots	None Detected	N/A
BS 3.1	Room M153	VFT-12"x12" Grey w/ Beige and Blue Flakes	None Detected	N/A
		Mastic (Yellow)	None Detected	N/A

Sample ID	Location	Material	Type and Content	Friability
BS 3.2	Room M153	VFT-12”x12” Grey w/ Beige and Blue Flakes	None Detected	N/A
BS 3.2	Room M153	Mastic (Yellow)	None Detected	N/A
BS 3.3	Room M153	VFT-12”x12” Grey w/ Beige and Blue Flakes	None Detected	N/A
		Mastic (Yellow)	None Detected	N/A
BS 4.1	Room M153	VFT-12”x12” Off White w/ Blue Flakes	None Detected	N/A
BS 4.2	Room M153	VFT-12”x12” Off White w/ Blue Flakes	None Detected	N/A
		Mastic (Yellow)	None Detected	N/A
BS 4.3	Room M153	VFT-12”x12” Off White w/ Blue Flakes	None Detected	N/A
BS 5.1	Room C111	VFT-12”x12” Brown w/ Multicolour Flakes	None Detected	N/A
		Mastic (Yellow)	None Detected	N/A
BS 5.2	Room C111	VFT-12”x12” Brown w/ Multicolour Flakes	None Detected	N/A
		Mastic (Yellow)	None Detected	N/A
BS 5.3	Room C111	VFT-12”x12” Brown w/ Multicolour Flakes	None Detected	N/A
		Mastic (Yellow)	None Detected	N/A
BS 6.1	Room M155	VFT-12”x12” Light Blue w/ Grey Flakes	None Detected	N/A
		Mastic (Brown)	None Detected	N/A
BS 6.2	Room M155	VFT-12”x12” Light Blue w/ Grey Flakes	None Detected	N/A
		Mastic (Brown)	None Detected	N/A
BS 6.3	Room M155	VFT-12”x12” Light Blue w/ Grey Flakes	None Detected	N/A
BS 7.1	Room M418	VFT-12”x12” Beige Camo w/ Grey Streaks	None Detected	N/A
BS 7.2	Room M418	VFT-12”x12” Beige Camo w/ Grey Streaks	None Detected	N/A
BS 7.3	Room M418	VFT-12”x12” Beige Camo w/ Grey Streaks	None Detected	N/A
BS 8.1	**Room M386**	**Interior Window Caulking (Black)**	**1% Chrysotile**	**Non-Friable**
BS 8.2	**Room M386**	**Interior Window Caulking (Black)**	**Stop Positive**	**Non-Friable**
BS 8.3	**Room M386**	**Interior Window Caulking (Black)**	**Stop Positive**	**Non-Friable**

Sample ID	Location	Material	Type and Content	Friability
BS 9.1	Room N0122B	VFT-12”x12” Off White w/ Small Grey Streaks	None Detected	N/A
BS 9.2	Room N0122B	VFT-12”x12” Off White w/ Small Grey Streaks	None Detected	N/A
BS 9.3	Room N0122B	VFT-12”x12” Off White w/ Small Grey Streaks	None Detected	N/A
		Mastic (Black)	None Detected	N/A
BS 10.1	Room N0019	VFT-12”x12” Brown w/ White Streaks	None Detected	N/A
		Mastic (Black)	None Detected	N/A
BS 10.2	Room N0019	VFT-12”x12” Brown w/ White Streaks	None Detected	N/A
		Mastic (Black)	None Detected	N/A
BS 10.3	Room N0019	VFT-12”x12” Brown w/ White Streaks	None Detected	N/A
		Mastic (Black)	None Detected	N/A
BS 11.1	Room N0026	Concrete Block Mortar	None Detected	N/A
BS 11.2	Room N0026	Concrete Block Mortar	None Detected	N/A
BS 11.3	Room N0026	Concrete Block Mortar	None Detected	N/A
BS 12.1	Room W030A	VFT-12”x12” Blue w/ Grey and White Streaks	None Detected	N/A
BS 12.2	Room W030A	VFT-12”x12” Blue w/ Grey and White Streaks	None Detected	N/A
BS 12.3	Room W030A	VFT-12”x12” Blue w/ Grey and White Streaks	None Detected	N/A
BS 13.1	Room W030B	VFT-12”x12” Light Blue w/ Black Dots	None Detected	N/A
		Mastic (Black)	None Detected	N/A
BS 13.2	Room W030B	VFT-12”x12” Light Blue w/ Black Dots	None Detected	N/A
		Mastic (Black)	None Detected	N/A
BS 13.3	Room W030B	VFT-12”x12” Light Blue w/ Black Dots	None Detected	N/A
		Mastic (Black)	None Detected	N/A
BS 14.1	**Room W0037**	**VFT-12”x12”-Beige w/ Brown Streaks**	**0.5% Chrysotile**	**Non-Friable**
		Mastic (Black)	None Detected	N/A
BS 14.2	**Room W0037**	**VFT-12”x12”-Beige w/ Brown Streaks**	**Stop Positive**	**Non-Friable**
		Mastic (Black)	None Detected	N/A
BS 14.3	**Room W0037**	**VFT-12”x12”-Beige w/ Brown Streaks**	**Stop Positive**	**Non-Friable**
		Mastic (Black)	None Detected	N/A

Sample ID	Location	Material	Type and Content	Friability
BS 15.1	**Room W335**	**Mechanical Pipe Straight Insulation**	**3% Chrysotile**	**Friable**
BS 15.2	**Room W335**	**Mechanical Pipe Straight Insulation**	**Stop Positive**	**Friable**
BS 15.3	**Room W335**	**Mechanical Pipe Straight Insulation**	**Stop Positive**	**Friable**
BS 16.1	Room C303	Wallpaper (Beige)	None Detected	N/A
BS 16.2	Room C303	Wallpaper (Beige)	None Detected	N/A
BS 16.3	Room C303	Wallpaper (Beige)	None Detected	N/A
BS 17.1	Room C216	Textured Wallpaper	None Detected	N/A
BS 17.2	Room C216	Textured Wallpaper	None Detected	N/A
BS 17.3	Room C216	Textured Wallpaper	None Detected	N/A
BS 18.1	Room C111	VFT-12”x12” Light Green w/ Multicolour Flakes	None Detected	N/A
			None Detected	N/A
BS 18.2	Room C111	VFT-12”x12” Light Green w/ Multicolour Flakes	None Detected	N/A
		Mastic (Yellow)	None Detected	N/A
BS 18.3	Room C111	VFT-12”x12” Light Green w/ Multicolour Flakes	None Detected	N/A
		Mastic (Yellow)	None Detected	N/A
BS 19.1	Room C217D	Floor Levelling Compound	None Detected	N/A
BS 19.2	Room C217D	Floor Levelling Compound	None Detected	N/A
BS 19.3	Room C217D	Floor Levelling Compound	None Detected	N/A
BS 20.1	Room C217D	VSF-Terrazzo Mosaic Pattern (Beige)	None Detected	N/A
BS 20.2	Room C217D	VSF-Terrazzo Mosaic Pattern (Beige)	None Detected	N/A
BS 20.3	Room C217D	VSF-Terrazzo Mosaic Pattern (Beige)	None Detected	N/A
BS 21.1	Room C111	VFT-12”x12”-Grey w/ Multicolour Flakes	None Detected	N/A
		Mastic (Yellow)	None Detected	N/A
BS 21.2	Room C111	VFT-12”x12”-Grey w/ Multicolour Flakes	None Detected	N/A
		Mastic (Yellow)	None Detected	N/A
BS 21.3	Room C111	VFT-12”x12”-Grey w/ Multicolour Flakes	None Detected	N/A
		Mastic (Yellow)	None Detected	N/A
BS 22.1	Room C207C	Wallpaper (Grey w/ Brown Streaks)	None Detected	N/A
BS 22.2	Room C207C	Wallpaper (Grey w/ Brown Streaks)	None Detected	N/A
BS 22.3	Room C207C	Wallpaper (Grey w/ Brown Streaks)	None Detected	N/A
BS 23.1	Room C01B	Brick Mortar (Light Grey)	None Detected	N/A

Sample ID	Location	Material	Type and Content	Friability
BS 23.2	Room C01B	Brick Mortar (Light Grey)	None Detected	N/A
BS 23.3	Room C01B	Brick Mortar (Light Grey)	None Detected	N/A
BS 24.1	Room C111A	VFT-12”x12”-Brown Camo w/ Grey and Black Flakes	None Detected	N/A
		Mastic (Yellow)	None Detected	N/A
BS 24.2	Room C111A	VFT-12”x12”-Brown Camo w/Grey and Black Flakes	None Detected	N/A
		Mastic (Yellow)	None Detected	N/A
BS 24.3	Room C111A	VFT-12”x12”-Brown Camo w/ Grey and Black Flakes	None Detected	N/A
		Mastic (Yellow)	None Detected	N/A
BS 25.1	Room C111	VFT-12”x12”- Off-white w/ Multicolour Flakes	None Detected	N/A
		Mastic (Yellow)	None Detected	N/A
BS 25.2	Room C111	VFT-12”x12”- Off-white w/ Multicolour Flakes	None Detected	N/A
		Mastic (Yellow)	None Detected	N/A
BS 25.3	Room C111	VFT-12”x12”- Off-white w/ Multicolour Flakes	None Detected	N/A
BS 26.1	Room L200	VFT-12”x12” Red w/ Grey Flakes	None Detected	N/A
BS 26.2	Room L200	VFT-12”x12” Red w/ Grey Flakes	None Detected	N/A
BS 26.3	Room L200	VFT-12”x12” Red w/ Grey Flakes	None Detected	N/A
BS 27.1	Room L250	Wallpaper (White)	None Detected	N/A
BS 27.2	Room L250	Wallpaper (White)	None Detected	N/A
BS 27.3	Room L250	Wallpaper (White)	None Detected	N/A
BS 28.1	Room L242	Firestop Caulking (Red)	None Detected	N/A
BS 28.2	Room L242	Firestop Caulking (Red)	None Detected	N/A
BS 28.3	Room L242	Firestop Caulking (Red)	None Detected	N/A
BS 29.1	**Room L056**	**SCT-2’x2’-Pinholes with Large Fissures**	**1% Chrysotile**	**-**
BS 29.2	**Room L056**	**SCT-2’x2’-Pinholes with Large Fissures**	**Stop Positive**	**-**
BS 29.3	**RoomL056**	**SCT-2’x2’-Pinholes with Large Fissures**	**Stop Positive**	**-**
BS 30.1	Room W009	SCT-2x’4’-Pinholes with Large Fissures	None Detected	N/A
BS 30.2	Room W33A	SCT-2x’4’-Pinholes with Large Fissures	None Detected	N/A
BS 30.3	Room M282	SCT-2x’4’-Pinholes with Large Fissures	None Detected	N/A
BS 31.1	**Room C455**	**Brick Mortar (Dark Grey)**	**1% Chrysotile**	**Non-Friable**

Sample ID	Location	Material	Type and Content	Friability
BS 31.2	**Room C455**	**Brick Mortar (Dark Grey)**	**Stop Positive**	**Non-Friable**
BS 31.3	**Room C455**	**Brick Mortar (Dark Grey)**	**Stop Positive**	**Non-Friable**
BS 32.1	Room C459	VFT-12”x12” Beige with Brown Streaks	None Detected	N/A
		Mastic (Black)	None Detected	N/A
BS 32.2	Room C459	VFT-12”x12” Beige with Brown Streaks	None Detected	N/A
		Mastic (Black)	None Detected	N/A
BS 32.3	Room C459	VFT-12”x12” Beige with Brown Streaks	None Detected	N/A
		Mastic (Black)	None Detected	N/A
BS 33.1	Room C459	VFT-12”x12” Off-white with Multicolour Flakes	None Detected	N/A
		Mastic (Black)	None Detected	N/A
BS 33.2	Room C459	VFT-12”x12” Off-white with Multicolour Flakes	None Detected	N/A
		Mastic (Black)	None Detected	N/A
BS 33.3	Room C459	VFT-12”x12” Off-white with Multicolour Flakes	None Detected	N/A
		Mastic (Black)	None Detected	N/A
BS 34.1	Room C459	VFT-12”x12” Beige with Brown Spots and Streaks	None Detected	N/A
		Mastic (Black)	None Detected	N/A
BS 34.2	Room C459	VFT-12”x12” Beige with Brown Spots and Streaks	None Detected	N/A
		Mastic (Black)	None Detected	N/A
BS 34.3	Room C459	VFT-12”x12” Beige with Brown Spots and Streaks	None Detected	N/A
		Mastic (Black)	None Detected	N/A
BS 35.1	**Room W261**	**Window Caulking (Black)**	**1% Chrysotile**	**Non-Friable**
BS 35.2	**Room W261**	**Window Caulking (Black)**	**Stop Positive**	**Non-Friable**
BS 35.3	**Room W261**	**Window Caulking (Black)**	**Stop Positive**	**Non-Friable**
BS 36.1	Room W261	Floor Tar (Black)	None Detected	N/A
BS 36.2	Room W261	Floor Tar (Black)	None Detected	N/A
BS 36.3	Room W261	Floor Tar (Black)	None Detected	N/A

Sample ID	Location	Material	Type and Content	Friability
BS 37.1	Room C219A	SCT-2'x4'-Square Pattern w/ Pinholes	None Detected	N/A
BS 37.2	Room C219A	SCT-2'x4'-Square Pattern w/ Pinholes	None Detected	N/A
BS 37.3	Room C219A	SCT-2'x4'-Square Pattern w/ Pinholes	None Detected	N/A
BS 38.1	Room C216	SCT-2'x2'-Pinholes w/ Texture	None Detected	N/A
BS 38.2	Room C216	SCT-2'x2'-Pinholes w/ Texture	None Detected	N/A
BS 38.3	Room C216	SCT-2'x2'-Pinholes w/ Texture	None Detected	N/A
BS 39.1	Room W210	Wall Tile Grout	None Detected	N/A
BS 39.2	Room W210	Wall Tile Grout	None Detected	N/A
BS 39.3	Room W210	Wall Tile Grout	None Detected	N/A
BS 40.1	**Room W0039**	**Drywall Joint Compound**	**1% Chrysotile**	**-**
BS 40.2	**Room M082**	**Drywall Joint Compound**	**Stop Positive**	**-**
BS 40.3	**Room N0122B**	**Drywall Joint Compound**	**Stop Positive**	**-**
BS 40.4	**Room C119**	**Drywall Joint Compound**	**Stop Positive**	**-**
BS 40.5	**Room N205**	**Drywall Joint Compound**	**Stop Positive**	**-**
BS 40.6	**Room L246**	**Drywall Joint Compound**	**Stop Positive**	**-**
BS 40.7	**Room M380A**	**Drywall Joint Compound**	**Stop Positive**	**-**
BS 40.8	**Room C450**	**Drywall Joint Compound**	**Stop Positive**	**-**
BS 40.9	**Room C459**	**Drywall Joint Compound**	**Stop Positive**	**-**
BS 40.10	**Room C459**	**Drywall Joint Compound**	**Stop Positive**	**-**
BS 40.11	**Room C452**	**Drywall Joint Compound**	**Stop Positive**	**-**
Sample Set #2				
BS 41.1	Room L046	VFT-12"x12"-Yellow and Beige	None Detected	N/A
BS 41.2	Room L046	VFT-12"x12"-Yellow and Beige	None Detected	N/A
BS 41.3	Room L046	VFT-12"x12"-Yellow and Beige	None Detected	N/A
BS 42.1	Room L054	VFT-12"x12"-Beige w/White, Orange and Brown	None Detected	N/A
BS 42.2	Room L054	VFT-12"x12"-Beige w/White, Orange and Brown	None Detected	N/A
BS 42.3	Room L054	VFT-12"x12"-Beige w/White, Orange and Brown	None Detected	N/A
BS 44.1	Room L070	VSF-Sandy Brown	None Detected	N/A
BS 44.2	Room L070	VSF-Sandy Brown	None Detected	N/A
BS 44.3	Room L070	VSF-Sandy Brown	None Detected	N/A
BS 27.1	**Room A321**	**Drywall Joint Compound**	**Stop Positive**	**-**
BS 27.2	**Room A501**	**Drywall Joint Compound**	**Stop Positive**	**-**
BS 27.3	**Room A601**	**Drywall Joint Compound**	**Stop Positive**	**-**

Sample ID	Location	Material	Type and Content	Friability
BS 27.4	**Room A701**	**Drywall Joint Compound**	**Stop Positive**	**-**
BS 27.5	**Room A702**	**Drywall Joint Compound**	**Stop Positive**	**-**
BS 27.6	**Room A708B**	**Drywall Joint Compound**	**Stop Positive**	**-**
BS 27.7	**Room A708B**	**Drywall Joint Compound**	**Stop Positive**	**-**
BS 40.12	**Room L040**	**Drywall Joint Compound**	**Stop Positive**	**-**
BS 40.13	**Room L040**	**Drywall Joint Compound**	**Stop Positive**	**-**
BS 40.14	**Room L064**	**Drywall Joint Compound**	**Stop Positive**	**-**
BS 40.15	**Room L072**	**Drywall Joint Compound**	**Stop Positive**	**-**
BS 40.16	**Room Lo72A**	**Drywall Joint Compound**	**Stop Positive**	**-**
BS 40.17	**Room L072A**	**Drywall Joint Compound**	**Stop Positive**	**-**
BS 40.18	**Room L054**	**Drywall Joint Compound**	**Stop Positive**	**-**
Project Specific in December 2019 by McIntosh Perry				
-	**Throughout the Location**	**Ceiling Plaster**	**1% Chrysotile**	**Non-Friable**
Project Specific in January 2020 by McIntosh Perry				
-	Throughout the Location	Plaster (Grey/White)	None Detected	N/A
Project Specific in February 2019 by cm3 Environmental				
L Wing				
DJC-01A-E	Room 318, 378, and 378G	Drywall Joint Compound	None Detected	N/A
PLA-01A-E	**Room 378J, Corridor, 328, 330, and 338**	**Wall Plaster**	**2% Chrysotile**	**Non-Friable**
PLA-02A-E	**Corridor, Room 378, 378H and 340**	**Ceiling Plaster**	**1% Chrysotile**	**Non-Friable**
AT-01A-C	**Room 340**	**2’ x 4’ Acoustic Tile (Pinholes & Large Fissures)**	**1% Chrysotile**	**Non-Friable**
AT-02A-C	Room 318	2’ x 4’ Acoustic Tile (Pinholes & Small Fissures)	None Detected	N/A
VT-01A-C	Room 318	12” x 12” Vinyl Tile (Light Grey w/ Specks)	None Detected	N/A
VT-02A-C	Room 318	12” x 12” Vinyl Tile (Light Brown w/ Specks)	None Detected	N/A
VT-03A-C	Room 318 (2nd Layer)	12” x 12” Vinyl Tile (Grey w/ Specks)	None Detected	N/A

Sample ID	Location	Material	Type and Content	Friability
COV-01A-C	Corridor and Room 318	Cove Base (Brown)	None Detected	N/A
C Wing				
DJC-01A-E	Room 302, 304, and 364A	Drywall Joint Compound	None Detected	N/A
PLA-01A-E	Room 302, and 304	Plaster	None Detected	N/A
PAR-01A-C	Room 302	Parging on Wall	None Detected	N/A
GL-01A-C	**Room 304**	**Window Glazing (Black)**	**10% Chrysotile**	**Non-Friable**
AT-01A-C	Room 304	2' x 4' Acoustic Tile (Pinholes & Small Fissures)	None Detected	N/A
COV-01A-C	Room 304	Cove Base (Grey)	None Detected	N/A
C-WPL-01A-C	Room C302 and C304E/C303 C-Wing Third Floor	Layered Plaster – White Skim Coat	None Detected	N/A
		Layered Plaster – Grey Base Coat		
L-DJC-01A-C	**Around the Entrance Door - Third Floor**	**Drywall Joint Compound**	**1% Chrysotile**	**Non-Friable**
Project Specific in March 2020 by Buller Crichton Environmental Inc.				
AS-01A-C	Second Floor Corridor adjacent M282, and Main Floor Corridor adjacent C118	Drywall Joint Compound	None Detected	N/A
Project Specific in October 2020 by Buller Crichton Environmental Inc.				
SA-01A-C	Exterior Stairs	Grey Caulking	None Detected	N/A
SA-02A-C	Exterior Stairs	Grey Mortar Associated with Dark Grey Stone	None Detected	N/A
SA-03A-C	Exterior at Base of Stairs	Wall Parging	None Detected	N/A
SA-04A-C	Exterior Stairs	Grey Mortar Associated with Light Grey Stone	None Detected	N/A
SA-05A-C	Exterior Terrace	Brown Caulking Associated with Flashing	None Detected	N/A
SA-06A-C	Exterior Terrace	Thin Grey Caulking Between Stones	None Detected	N/A
SA-07A-C	**Exterior Terrace on Wall Adjacent to Building Entrance**	**Black Tar Caulking on Top of Flashing**	**15% Chrysotile**	**Non-Friable**
		Black Caulking beneath Black Tar Caulking	None Detected	N/A

Sample ID	Location	Material	Type and Content	Friability
SA-08A-C	L070	Vinyl Floor Tile – 30cm x 30cm – Orange with Flecks	None Detected	N/A
SA-09A-C	L070	Floor Tile Mastic Associated Levelling Compound Beneath Floor Tiles	None Detected	N/A
SA-10A-C	L070	Black Caulking Associated with Exterior Door Brown Caulking Associated with Exterior Door	None Detected	N/A
SA-11A	**L070**	**Mag-block Pipe Straight Insulation**	**5% Crocidolite 20% Chrysotile**	**Friable**
SA-12A-C	Waller Terrace	Membrane	None Detected	N/A
Project Specific in April 2021 by McIntosh Perry				
BS 1.1- 1.11	**Throughout floor 2**	**Drywall Joint Compound**	**2% Chrysotile**	**Friable**
BS 2.1-2.3	Room 239	2’ x 4’ Suspended Ceiling Tile, small pinholes & fissures	None Detected	N/A
BS 3.1-BS 3.3	**Room 238**	**2’ x 2’ Suspended Ceiling Tile, large fissures**	**3% Amosite 1% Chrysotile**	**Non-Friable**
BS 4.1-BS 4.3	**Room 239**	**Window Caulking, Black**	**1% Chrysotile**	**Non-Friable**
BS 5.1-5.3	**Room 236**	**Plaster, White**	**3% Chrysotile**	**Friable**
BS 6.1-6.3	Room 239 Hallway	VFT – 12” x 12” orange with black dots	None Detected	N/A
BS 7.1-7.3	Room 219	2’ x 4’ Suspended Ceiling Tile, large fissures	None Detected	N/A
Project Specific in March 2021 by Buller Crichton Environmental Inc.				
SA-01A	Room N104 – Ceiling Space	Plaster Debris (White Layer) appears to be from walls Plaster Debris (Grey Layer) appears to be from walls	None Detected	N/A
SA-01 B	1st Floor N-Wing Men’s Washroom	Plaster Debris (White Layer) appears to be from walls Plaster Debris (Grey Layer) appears to be from walls	None Detected	N/A
SA-01 C	Room N110 – Ceiling Space	Plaster Debris (White Layer) appears to be from walls Plaster Debris (Grey Layer) appears to be from walls	None Detected	N/A

Sample ID	Location	Material	Type and Content	Friability
SA-02 B	**Room N112 – Ceiling Space**	**Plaster Debris (White) appears to be from ceiling deck**	**1% Chrysotile**	**Friable**
SA-03 A, B, and C	1st Floor N-Wing	AHU Filter / Upper Right Quadrant	None Detected	N/A
		AHU Filter / Center of Filter		
		AHU Filter / Lower Left Quadrant		
SA-01A-C	N-Wing	Red Firestop Caulking above Ceiling Tiles	None Detected	N/A
SA-02A-C	Adj. to N-111	Acoustic Ceiling Tile – Small Pinholes with Widthwise Fissures	None Detected	N/A
SA-03A-C	Main Corridor	Acoustic Ceiling Tile – Small Pinholes with Random Fissure	None Detected	N/A
AS-01A-C	Roof "O"	Roof Membrane	None Detected	N/A
AS-02A-C	Roof "O" AHU	Grey Mastic	None Detected	N/A
AS-03A-C	Roof "O"	Felt Membrane	None Detected	N/A
AS-04A-C	Roof "O" AHU	Grey Caulking	None Detected	N/A
AS-05A-C	**Roof "O" AHU**	**Black Tar on Seams of the AHU where Tin Ducting Attaches**	**3.59% Chrysotile**	**Non-Friable**
AS-06A-C	Roof "O" AHU	White Caulking on Insulation	None Detected	N/A
AS-07A-C	Roof "O"	Brown Caulking	None Detected	N/A
AS-08A-C	Roof "O"	Roof Membrane (2nd Layer)	None Detected	N/A
Project Specific in April 2024 by Buller Crichton Environmental Inc.				
AS-01(A-C)	Over metal deck	Drywall layer	None Detected	N/A
AS-02(A-C)	Over drywall	4-Ply Roof Membrane	None Detected	N/A
	On top of 4-Ply membrane	Flood Coat Layer	None Detected	N/A
AS-04(A-C)	**Around vent grills and roof flashing**	**Old White Caulking**	**4% Chrysotile**	**Non-Friable**
AS-05(A-C)	Between stone blocks near roof edge	New Light Grey Caulking	None Detected	N/A
AS-06(A-C)	Around roof flashing	Old Light Grey Caulking	None Detected	N/A
AS-07(A-C)	**Around vent grills and roof flashing**	**Dark Grey Caulking**	**3% Chrysotile**	**Non-Friable**
AS-08(A-C)	Roof edge	Stone Block Mortar	None Detected	N/A
Historical Data				
a	Room L046 and L062	VFT-12"x12"-Yellow and Beige	None Detected	N/A
a	Room L054	VFT-12"x12"-Beige w/White, Orange and Brown	None Detected	N/A

Sample ID	Location	Material	Type and Content	Friability
a	Room L058	VFT-12”x12”-White with Blue and Pink	None Detected	N/A
a		Mastic (Yellow)		
a	Room L070	VSF-Sandy Brown	None Detected	N/A
a	**Room C01, L062, C111, N103, N107, M0013, M0016, M0018, M0019, N001A, N002, C01, C01B, C01D, L064B, L070C, C111, N103, N107, L236A, and W323**	**Mechanical Pipe Straight Insulation**	**Confirmed - Unknown asbestos content**	**Friable**
a	**Room L133, N100, and M400**	**Ceiling Plaster – White and Beige Layers**	**1% Amosite**	**Friable**
a	**Room L244B**	**Wall Plaster**	**1% Chrysotile**	**Friable**
a	**Room N122**	**Loose Fill Insulation in Columns Outside Room**	**2% Amosite**	**Friable**
a	**Room W007, W0011A, W0011B, W0011C, W0011D, W0011E, W0011F, W0011G, W0011H, W0013, W0015, W0021, W0029, W0031, W0031A, W0031B, W0031C, W0031D, W0045, C012, C012A, C017B, C017D, M089, M092, N0105, W021, W023, W023A, W023B, W023C, W023D, W023E, W023F, W023G, W024, W027, W030, W030A, and W035**	**SCT - 2’x4’ – White Tone**	**2% Chrysotile**	**Non-Friable**
a	**Room W0017, W0033 and L242**	**VFT – 12”x12” – Beige with Brown Molting**	**8.7% Chrysotile**	**Non-Friable**

Sample ID	Location	Material	Type and Content	Friability
a	**Room W0011H, W0017, W0023, W0033, W0035, W0037, W0041, W0043, C450C, C459, and W0029**	**VFT – 12'x12' – Cream and Brown Coloured**	**8.7% Chrysotile**	**Non-Friable**
a	**Room N101**	**VFT – 9"x9" – Green and White Stripes**	**2-10% Chrysotile**	**Non-Friable**
a	**Room L070D, and N223**	**VFT – 9"x9" Green and White**	**2-10% Chrysotile**	**Non-Friable**
a	**Room C08, N0105, and N0130**	**VFT – 9"x9" Green**	**2-10% Chrysotile**	**Non-Friable**
a	**Room C207C, C123, and C107**	**VFT – 9"x9" – White and Black**	**2-10% Chrysotile**	**Non-Friable**
a	**Room N109**	**VSF under layer of VFT**	**3% Chrysotile**	**Non-Friable**
a	**Room C304**	**Black Glazing**	**10% Chrysotile**	**Non-Friable**
b	Room L242	Firestop Caulking (Red)	None Detected	N/A
b	Room C219A	2'x4' Suspended Ceiling Tiles, square pattern with pinholes	None Detected	N/A

N/A – Not Applicable
VFT – Vinyl Floor Tiles
Stop Positive – Material considered being asbestos-containing as per O. Reg. 278/05.

Please refer to **Appendix E** – Asbestos-Containing Materials Checklist for material conditions, quantities (where applicable), and recommended actions.

The following building materials (if present) were investigated for asbestos content,

3.1.1 Fireproofing

No fireproofing was observed in the subject building.

3.1.2 Mechanical Pipe Insulation

3.1.2.1 Mechanical Pipe Straight Insulation

Previously identified asbestos-containing mechanical pipe straight insulation was observed in Rooms C01, L062, C111, N103, N107, M0013, M0016, M0018, M0019, N001A, N002, C01, C01B, C01D, L064B, L070C, C111, N103, N107, L236A, and W323. This material is considered friable was observed to be in good condition.

Previously identified mechanical pipe straight insulation was observed and sampled in Room W335. The laboratory analytical results of the samples collected indicate that this material **contains 3% Chrysotile asbestos.** This material is considered friable and was observed to be in good condition.

Previously identified mag-block Pipe Straight Insulation was observed and sampled in Room L070. The laboratory analytical results of the samples collected indicate that this material **contains 20% Chrysotile and 5% Crocidolite asbestos.** This material is considered friable and was observed to be in good condition.

3.1.2.2 Mechanical Piping Elbows/Fittings Insulation

Previously identified asbestos-containing mechanical pipe elbows/fittings insulation was observed in Rooms M0013, M0016, M0018, M0019, N001A, N002, C01, C01B, C01D, L064B, L070D, C111, N103, and N107A. This material is considered to be friable. This material was observed to be in good condition.

3.1.2.3 Mechanical Piping Hangers Insulation

No mechanical pipe hanger insulation was observed in the subject building.

3.1.2.4 HVAC Duct Insulation

HVAC duct insulation observed within the subject building. Egis made several incisions throughout to investigate its composition, and it was visually identified as fiberglass, and therefore not suspected of containing asbestos.

3.1.2.5 Other Mechanical Insulation

No other mechanical insulation was observed in the subject building.

3.1.3 Flexible Duct Connector

Flexible duct connectors were observed in C03A and W329. This material was visually identified as a non-asbestos containing material (i.e. rubber).

3.1.4 Heat Shield or Heat Shield Insulation

No potential asbestos-containing heat shield insulation were observed in the subject building.

3.1.5 Texture Finishes

Previously identified texture finishes containing **6% Chrysotile asbestos** was identified to be present in L139A. This material is considered friable and was observed to be in good condition.

3.1.6 Plaster

Previously identified ceiling plaster was observed in Room C013, L040, L040A, L042, L044, L044 (A,C), L046, L046 (A,B,C,D, E, F, G,H, J, K, L), L050A, L054, L056, L058, L062, L064, L064A, L070A, L072A, L070D, L072A L111, L115, L117, L119, L121, L123, L125, L129, L131, L139, L139A, L141, 236, M386, M386B, C401A, and M401. This material contains between **3% to 35% Chrysotile asbestos** and is considered friable. Since plaster is a homogeneous material, all areas must be treated as asbestos-containing unless additional bulk sampling and analysis proves otherwise. This material was observed in good condition during the 2025 Reassessment.

Previously identified ceiling plaster containing **1% Actinolite asbestos** was observed in Room L133, N100 and M400 and **1% Chrysotile** in L wing Corridor, Room 378, 378H and 340. This material is considered friable and was observed to be in good condition. Since plaster is a homogeneous material, all areas must be treated as asbestos-containing unless additional bulk sampling and analysis proves otherwise. This material was observed in good condition during the 2025 Reassessment.

Previously identified wall plaster **containing 2% Chrysotile asbestos** was observed in Room L244B, 378J, L wing Corridor, 328, 330, and 338. This material was observed in good condition during the 2025 Reassessment.

Previously identified plaster Debris (White) appears to be from ceiling deck was observed in Room N112 **containing 1% Chrysotile asbestos**

3.1.7 Drywall Joint Compound

Previously identified drywall joint compound was observed throughout the subject building and previously sampled from Rooms C013, L040, L046, L054, L064, L070A, L072, L072A, N0119, N0130, N120, A321, C452, C459, A501, A601, A701. The laboratory analytical results of the samples collected indicate that this material **contains 1% Chrysotile asbestos.** This material was observed in good condition during the 2025 Reassessment.

Previously identified drywall joint compound was observed in Room W0025, W0027, W0031, M081, C105B, C105L, M414, and throughout floor 2. This material **contains 2% Chrysotile asbestos**. This material was observed in good condition during the 2025 Reassessment.

Previously identified drywall joint compound was observed around the entrance door - third floor L wing by cm3 Environmental. This material **contains 1% Chrysotile asbestos**. This material was observed in good condition during the 2025 Reassessment.

Since drywall joint compound is a homogeneous material, all areas must be treated as asbestos-containing unless additional bulk sampling and analysis proves otherwise.

3.1.8 Ceiling Tiles

Several different types of ceiling tiles were previously observed and sampled within the subject building as follows:

- Previously identified suspended ceiling tiles (2'x4'- White FRB CL1) is known to be present in Rooms N0100, N0101, N0102, N0103, N0128 and N0129. This material **contains 1% Chrysotile asbestos**. This material was observed to be in good condition

- Previously identified suspended ceiling tiles (2'x4'-Pinholes and Large Fissures) **containing 1% Chrysotile asbestos** is present in L340. This material was observed to be in good condition

- Previously identified suspended ceiling tiles (2'x4'-White Tone) were observed in Rooms W007, W0011(A, B, C, D, E, F, G, H), W0013, W0015, W0021. W0029, W0031, W0031(A, B, C, D), W0045, C012, C012A, C017B, C017D, M089, M092, N0105, W021, W023, W023(A, B, C, D, E, F, G), W024, W027, W030, W030A and W035. This material **contains 2% Chrysotile asbestos**. This material was observed to be in good condition

- Previously identified suspended ceiling tiles (2'x2'-Pinholes and Large Fissures) were observed and sampled from Rooms L056, and W032. The laboratory analytical results of samples collected indicate that this material **contains 1% Chrysotile asbestos**. This material was observed to be in good condition.

- Previously identified suspended ceiling tiles (2'x4'-Pinholes and Large Fissures) were observed and sampled from Rooms W009, M282, and W333A. The laboratory analytical results of samples collected indicate that this material does not contain asbestos.

- Previously identified suspended ceiling tiles (2'x4'-Square Pattern w/ Pinholes) were observed and sampled from Room C219A. The laboratory analytical results of samples collected indicate that this material does not contain asbestos.

- Previously identified suspended ceiling tiles (2'x2'-Pinholes w/ Texture) were observed and sampled from Room C216. The laboratory analytical results of samples collected indicate that this material does not contain asbestos.

- Previously identified suspended ceiling tiles (2'x4-Pinholes w/ Small Fissures) was observed in Room M281, M281 (A, B), M283, M286 (A, B) and M287(A, B). The date stamp on the back of the ceiling tiles indicate they were manufactured in 2014 and therefore does not contain asbestos.

- Previously identified suspended ceiling tiles (2'x4'-Pinholes w/Small Fissures) were observed in Rooms C06, C015 (A-G), C017, C018, L046, L070, M086, N0116, N0122. The date stamp on the back of the ceiling tiles indicate they were manufactured in 2015 and therefore does not contain asbestos.

- Previously identified supended ceiling tiles (2' x 2' Suspended Ceiling Tile /Large Fissures) were observed in Rooms 238. The laboratory analytical results of samples collected indicate that this material **contains 1% Chrysotile and 3% Amosite asbestos**. This material was observed to be in good condition.

- Previously identified suspended ceiling tiles (Acoustic Ceiling Tile – Small Pinholes with Widthwise Fissures) were observed and sampled from Room 219. The laboratory analytical results of samples collected indicate that this material does not contain asbestos.

- Previously identified suspended ceiling tiles (Acoustic Ceiling Tile – Small Pinholes with Small Pinholes with Random Fissure) were observed and sampled from Adj. to N-111 and main corridor. The laboratory analytical results of samples collected indicate that this material does not contain asbestos.

- Previously identified suspended ceiling tiles (2'x4' Suspended Ceiling Tiles, square pattern with pinholes) were observed and sampled from room C219A. The laboratory analytical results of samples collected indicate that this material does not contain asbestos.

3.1.9 Vinyl Floor Tiles

Several different types of vinyl floor tiles were observed and sampled within the subject building as follows:

- Previously identified vinyl floor tiles (12"x12"-Beige with Beige Stripes) were observed in Room C108. This material **contains 11% Chrysotile asbestos**. This material is considered non-friable and was observed to be in good condition.

- Previously identified vinyl floor tiles (12"x12"- Beige w/ Brown Mottling) were observed in Rooms W0017, W0033, L046K and L242. This material **contains 8.7% Chrysotile asbestos**. This material is considered to be non-friable and was observed to be in good condition.

- Previously identified vinyl floor tiles (12"x12"- Cream and Brown Coloured) were observed in Rooms W0011H, W0017, W0023, W0033, W0035, W0037, W0041, W0043, N009, C450C, and C459. This material **contains 8.7% Chrysotile asbestos.** This material is considered to be non-friable and was observed to be in good condition with the exception of select areas that were observed to be in fair condition.
  Visually similar vinyl floor tile was observed enclosed under a 2nd layer of flooring in Room W0029. Although the condition of the vinyl floor tiles could not be assessed, this material is non-friable and considered to be enclosed within multiple layers and can remain in place until renovation and/or replacement, as long as it is not damaged or disturbed.

- Previously identified vinyl floor tiles (9"x9"-Green and White Stripes) were observed in Room N101. This material **contains 2-10% Chrysotile asbestos**. This material is considered to be non-friable and was observed to be in good condition.

- Previously identified vinyl floor tiles (9"x9"-Green and White) were observed in Rooms L070D, L072A N0105, N200, N200(A, B, C) and N223. This material **contains 2-10% Chrysotile asbestos**. This material is considered to be non-friable and was observed to be in good condition.

- Previously identified vinyl floor tiles (9"x9"- Green) were observed in Rooms C08, N0105, N0130, N104, N105, N107, N109, N112, and N114. This material **contains 2-10% Chrysotile asbestos**. This material is considered to be non-friable and was observed to be in good condition.

- Previously identified vinyl floor tiles (9"x9"- Grey Coloured) were observed in Room C02, N108, N111. This material **contains 15%-33% Chrysotile asbestos**. This material is considered to be non-friable and was observed to be in good condition.

- Previously identified vinyl floor tiles (9"x9"- White and Black) were observed in Rooms C207C and C123. This material **contains 2-10% Chrysotile asbestos**. This material is considered to be non-friable and was observed to be in good condition.

- Previously identified vinyl floor tiles (9"x9") which are concealed under a 2nd layer of flooring in Room C107 and **contains 3-5% Chrysotile asbestos**. Although the condition of the vinyl floor tiles could not be assessed, this material is non-friable and considered to be enclosed within multiple layers and can remain in place until renovation and/or replacement, as long as it is not damaged or disturbed.

- Vinyl floor tiles (12"x12"-Beige w/ Brown Streaks) was observed and sampled from Rooms W0037, C401A, M401A. The laboratory analytical results for the samples collected indicate that this material **contains 0.5% Chrysotile asbestos**. This material is considered non-friable and was observed to be in good condition. The associated mastic (Black) was also determined not to contain asbestos.

- Previously identified vinyl floor tiles (12"x12"-Grey w/Specks) were observed in Room L318. The laboratory analytical results indicate that this material is does not contain asbestos.

- Previously identified vinyl floor tiles (12"x12"-Light Brown w/Specks) were observed in Room L318. The laboratory analytical results indicate that this material is does not contain asbestos.
- Vinyl floor tiles (12"x12"-Beige w/ Black Dots) was observed and sampled from Room L012. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos. The associated mastic (Black) was also determined not to contain asbestos.

- Vinyl floor tiles (12"x12"-Grey w/ Black Dots) was observed and sampled from Room W1032. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos. The associated mastic (Yellow) was also determined not to contain asbestos.

- Vinyl floor tiles (12"x12"-Grey w/ Beige and Blue Flakes) was observed and sampled from Room M153. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos. The associated mastic (Yellow) was also determined not to contain asbestos.

- Vinyl floor tiles (12"x12"-Off White w/ Blue Flakes) was observed and sampled from Room M153. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos. The associated mastic (Yellow) was also determined not to contain asbestos.

- Vinyl floor tiles (12"x12"-Brown w/ Multicolour Flakes) was observed and sampled from Room C111. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos. The associated mastic (Yellow) was also determined not to contain asbestos.

- Vinyl floor tiles (12"x12"-Light Blue w/ Grey Flakes) was observed and sampled from Room M155. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos. The associated mastic (Brown) was also determined not to contain asbestos.

- Vinyl floor tiles (12"x12"-Beige Camo w/ Grey Streaks) was observed and sampled from Room M418. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos.

- Vinyl floor tiles (12"x12"-Off White w/ Small Grey Streaks) was observed and sampled from Room N0122B. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos. The associated mastic (Black) was also determined not to contain asbestos.

- Vinyl floor tiles (12"x12"-Brown and White Streaks) was observed and sampled from Room N0019. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos. The associated mastic (Black) was also determined not to contain asbestos.

- Vinyl floor tiles (12"x12"-Blue w/ Grey and White Streaks) was observed and sampled from Room W030A. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos.

- Vinyl floor tiles (12"x12"-Light Blue w/ Black Dots) was observed and sampled from Room W030B. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos. The associated mastic (Black) was also determined not to contain asbestos.

- Vinyl floor tiles (12"x12"-Light Green w/ Multicolour Flakes) was observed and sampled from Room C111. The laboratory analytical results for the samples collected indicate that this material and its associated mastic (Yellow) do not contain asbestos.

- Vinyl floor tiles (12"x12"-Grey w/ Multicolour Flakes) was observed and sampled from Room C111. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos. The associated mastic (Yellow) was also determined not to contain asbestos.

- Vinyl floor tiles (12"x12"-Brown Camo w/ Grey and Black Flakes) was observed and sampled from Room C111A. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos. The associated mastic (Yellow) was also determined not to contain asbestos.

- Vinyl floor tiles (12"x12"-Off White w/ Multicolour Flakes) were observed and sampled from Room C111A. and C459. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos. The associated mastic (Yellow) was also determined not to contain asbestos.

- Vinyl floor tiles (12"X12"-Red w/ Grey Flakes) was observed and sampled from Room L200. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos.

- Vinyl floor tiles (12"x12"-Beige w/ Brown Streaks) was observed and sampled from Room C459. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos. The associated mastic (Black) was also determined not to contain asbestos.

- Vinyl floor tiles (12"x12"-Beige w/ Brown Spots and Streaks) was observed and sampled from Room C459. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos. The associated mastic (Black) was also determined not to contain asbestos.

- Vinyl floor tiles (12"x12"-Yellow and Beige) was observed and sampled from Room L046. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos.

- Vinyl floor tiles (12"x12"-Beige w/White, Orange and Brown) was observed and sampled from Room L054. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos.

- Vinyl floor tiles (12"x12"-White w/Blue and Pink) was observed and sampled from Room L058. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos.

- Vinyl floor tiles (12" x 12" orange with black dots) was observed and sampled from hallway 239. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos.

- Vinyl floor tiles (12"x12"-Yellow and Beige) was observed and sampled from Room L046 and L062. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos.

- Vinyl floor tiles (12"x12"-White with Blue and Pink) was observed and sampled from Room L058. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos.

- Vinyl floor tiles (12"x12" – Beige with Brown Moulting) was observed and sampled from Room W0017, W0033 and L242**.** The laboratory analytical results for the samples collected indicate that this material **contains 8.7% Chrysotile asbestos**. This material is considered non-friable and was observed to be in good condition.

- Vinyl floor tiles (12'x12' – Cream and Brown Coloured) was observed and sampled from Room W0011H, W0017, W0023, W0033, W0035, W0037, W0041, W0043, C450C, C459, and W0029**.** The laboratory analytical results for the samples collected indicate that this material **contains 8.7% Chrysotile asbestos**. This material is considered non-friable and was observed to be in good condition.

- Vinyl floor tiles (9"x9" – Green and White Stripes) was observed and sampled from **Room N101.** The laboratory analytical results for the samples collected indicate that this material **contains 2-10% Chrysotile asbestos**. This material is considered non-friable and was observed to be in good condition.

- Vinyl floor tiles (9"x9" Green and White) was observed and sampled from **Room L070D, and N223.** The laboratory analytical results for the samples collected indicate that this material **contains 2-10% Chrysotile asbestos**. This material is considered non-friable and was observed to be in good condition.

- Vinyl floor tiles (9"x9" Green) was observed and sampled from **Room C08, N0105, and N0130.** The laboratory analytical results for the samples collected indicate that this material **contains 2-10% Chrysotile asbestos**. This material is considered non-friable and was observed to be in good condition.

- Vinyl floor tiles (9"x9" 9"x9" – White and Black) was observed and sampled from **Room C207C, C123, and C107.** The laboratory analytical results for the samples collected indicate that this material **contains 2-10% Chrysotile asbestos**. This material is considered non-friable and was observed to be in good condition.

3.1.10 Vinyl Sheet Floor

Several different types of vinyl sheet flooring were previously observed and sampled within the subject building as follows:

- Previously identified vinyl sheet flooring concealed under a layer of vinyl floor tiles **contains 3% Chrysotile asbestos** and is known to be present in Room N109. Although the condition of the vinyl floor tiles could not be assessed, this material is non-friable and considered to be enclosed within multiple

layers and can remain in place until renovation and/or replacement, as long as it is not damaged or disturbed.

- Previously identified vinyl sheet flooring (Terrazzo Mosaic Pattern) was observed and sampled in Room C217D. The laboratory analytical results of the vinyl sheet flooring samples collected indicate that this material does not contain asbestos.

- Previously identified vinyl sheet flooring (Sandy Brown) was sampled from L070. The laboratory analytical results of the vinyl sheet flooring samples collected indicate that this material does not contain asbestos.

3.1.11 Brick Mortar

Several different types of brick mortar were observed within the subject building as follows:

- Previously identified brick mortar (Dark Grey) was observed sampled from crawl space of the building in Rooms C455, C455A, C456 and C458. The laboratory analytical results indicate that this material **contains 1% Chrysotile asbestos.** This material is considered non-friable and was observed to be in good condition.

- Previously identified brick mortar (Light Grey) was sampled from the interior of the building in Room C01B. The laboratory analytical results indicate that this material does not contain asbestos

3.1.12 Concrete Block Mortar

Concrete block mortar was previously sampled from the interior of the building in Room N0026. The laboratory analytical results indicate that this material does not contain asbestos.

3.1.13 Ceramic Wall / Floor Tile Grout

Ceramic wall tile grout was previously sampled from Room W210. The laboratory analytical results indicate that this material does not contain asbestos.

3.1.14 Transite (Asbestos Cement)

No transite materials were observed in the subject building.

3.1.15 Caulking and Glazing

Several different types of caulking materials were observed within the subject building as follows:

- Interior window caulking (Black) was observed and previously sampled in Room W261, M381, M381A, M383, M386(B, E, F). The laboratory analytical results indicate that this material **contains 1% Chrysotile asbestos**. This material is considered to be non-friable and was observed in fair condition.

- Firestop caulking (Red) was observed and previously sampled from Room L242. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos.

- Previously identified glazing (Black) was identified **to contain 10% Chrysotile asbestos** in Room C304. This material is considered non-friable and was observed to be in good condition.

- Previously identified Grey Caulking was observed and sampled in the exterior stairs. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos

- Previously identified Brown Caulking Associated with Flashing was observed and sampled in the Exterior Terrace. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos.

- Previously identified Thin Grey Caulking Between Stones was observed and sampled in the Exterior Terrace. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos.

- Previously identified Black Caulking Associated with Exterior Door was observed and sampled in room L070. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos.

- Previously identified Brown Caulking Associated with Exterior Door was observed and sampled in room L070. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos.

- Previously identified Black Tar Caulking on Top of Flashing was observed and sampled in the Exterior Terrace and was identified **to contain 10% Chrysotile asbestos**. This material is considered non-friable and was observed to be in good condition.

- Previously identified Black Caulking beneath Black Tar Caulking was observed and sampled in the Exterior Terrace. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos.

- Previously identified Window Caulking, Black was observed and sampled in Room 239 and was identified **to contain 1% Chrysotile asbestos**. This material is considered non-friable and was observed to be in good condition.

- Previously identified Red Firestop Caulking above ceiling tiles was observed and sampled in N-Wing. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos.

- Previously identified Grey Caulking above ceiling tiles was observed and sampled in Roof "O" AHU. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos.

- Previously identified White Caulking on Insulation was observed and sampled in Roof "O" AHU. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos.

- Previously identified Brown Caulking was observed and sampled in Roof "O" AHU. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos.

- Previously identified Old White Caulking was observed and sampled around vent grills and roof flashing and was identified **to contain 4% Chrysotile asbestos**. This material is considered non-friable and was observed to be in good condition.

- Previously identified New Light Grey Caulking was observed and sampled Between stone blocks near roof edge. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos.

- Previously identified Old Light Grey Caulking was observed and sampled around roof flashing. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos.

- Previously identified Dark Grey Caulking was observed and sampled around vent grills and roof flashing and was identified **to contain 3% Chrysotile asbestos**. This material is considered non-friable and was observed to be in good condition.

- Previously identified Firestop Caulking (Red) was observed and sampled IN Room L242. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos.

3.1.16 Mastic

Previously identified grey mastic was observed and sampled in Roof "O" AHU. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos.

3.1.17 Wallpaper

Several different types of wallpaper materials were observed within the subject building as follows:

- Wallpaper (White) was observed and sampled in Room L250. The laboratory analytical results of samples collected indicate that this material does not contain asbestos.

- Wallpaper (Grey with Brown Streaks) was observed and sampled in Room C207C. The laboratory analytical results of samples collected indicate that this material does not contain asbestos.

3.1.18 Cementitious Coating

Previously identified floor levelling compound was observed and sampled in Room W005 and N117. The laboratory analytical results of cementitious coating samples collected indicate that this material does not contain asbestos.

Previously identified floor levelling compound (Tan) was observed and sampled in Room M086. The laboratory analytical results of cementitious coating samples collected indicate that this material does not contain asbestos.

Previously identified floor levelling compound (Grey) was observed and sampled in Room M086. The laboratory analytical results of cementitious coating samples collected indicate that this material does not contain asbestos.

Cementitious floor coating finish were observed and sampled from Room C217D. The laboratory analytical results of cementitious coating samples collected indicate that this material does not contain asbestos.

3.1.19 Concrete

Concrete were observed at various locations throughout the subject building. To avoid possible damage, no bulk samples of the internal door insulation materials were collected. Prior to removal and/or replacement, concrete doors should be examined and tested for asbestos content. Concrete should be considered to contain asbestos until bulk samples and analysis proves otherwise. All concrete doors were observed to be in good condition.

3.1.20 Concrete Block Mortar

Concrete block mortar was sampled from the interior of the building in Room N0026. The laboratory analytical results indicate that this material does not contain asbestos.

3.1.21 Exterior Stucco

No potential asbestos-containing stucco was observed on the building exterior.

3.1.22 Loose-fill Insulation

No potential asbestos-containing loose-fill insulation were observed in the subject building.

3.1.23 Tar

Floor tar (Black) material was observed and previously sampled from Room W261. The laboratory analytical results for the samples collected indicate that this material does not contain asbestos.

3.1.24 Fire Doors

Fire doors were observed at various locations throughout the subject building. To avoid possible damage, no bulk samples of the internal door insulation materials were collected. Prior to removal and/or replacement, fire

doors should be examined and tested for asbestos content. Fire doors should be considered to contain asbestos until bulk samples and analysis proves otherwise. All fire doors were observed to be in good condition.

3.1.25 Roofing Material

To avoid damage and compromising the integrity of roofing material, no bulk samples of the roofing materials were collected. Prior to removal and/or replacement, roofing materials should be examined and tested for asbestos content. Roofing materials should be considered to contain asbestos until bulk samples and analysis proves otherwise.

Recommendations

Asbestos-containing materials identified to be in poor condition must be repaired/removed immediately, following Type 1/2/3 asbestos abatement work procedures as detailed in O. Reg. 278/05 and disposed of as asbestos waste under O. Reg. 347.

Asbestos-containing materials that have been identified to be in fair condition should be either repaired (where possible) and/or closely monitored for signs of further deterioration. Depending on type of material and location, these materials should be scheduled for removal if there is potential risk of exposure to worker and/or occupants.

Materials identified to contain asbestos that are in good condition and do not pose a risk to workers or occupants can be managed in place. Prior to renovation/demolition activities that may disturb the ACMs, these materials must be removed following appropriate Type 1/2/3 asbestos abatement work procedures as detailed in O. Reg. 278/05 and disposed of as asbestos waste under O. Reg. 347.

Please refer to **Appendix E** – Asbestos-Containing Materials Checklist for material conditions, quantities (where applicable), and recommended actions.

Entry into ceiling spaces where asbestos-containing ceiling tiles are present will require Type 1/2 asbestos abatement procedures.

Sampling was conducted using non-destructive methods, focusing solely on visible and accessible areas unless a project-specific site assessment was completed and incorporated. Consequently, any renovations or construction activities that may disturb building materials must involve destructive sampling to analyze all relevant layers of the building materials.

Prior to renovation/demolition of materials which are assumed to be asbestos containing (suspect materials which were not sampled, i.e., roofing materials and fire doors), these materials must either be tested for asbestos content or removed following appropriate asbestos abatement work procedures (Type 1/2/3) as detailed in O. Reg. 278/05 and disposed of as asbestos waste under O. Reg. 347.

All repairs or removal of asbestos-containing materials must be conducted according to Ontario Regulation 278/05, Regulation respecting Asbestos on Construction Projects and in Buildings and Repair Operations - made under the Occupational Health and Safety Act. Asbestos containing waste must also be handled and disposed

of according to Ontario Regulation 347/90 as amended – made under the Environmental Protection Act. Any suspect building materials encountered that were not assessed as part of this survey, should be assumed to contain asbestos until proven otherwise by analytical testing.

Sub-trades working with or in close proximity to asbestos-containing material should be informed of its presence.

Given that asbestos containing materials (ACMs) have been identified and will likely remain in place, an Asbestos Management Plan (AMP) is therefore required and an inventory of ACMs must be kept on site. All ACMs must be routinely inspected to ensure no damage has occurred, and the inventory must be updated once in each 12-month period and as may be required based on expected changing site conditions, abatement and/or renovation activities.

3.2 Lead

Previous Findings

3.2.1 Paint Finishes

Paint samples from the subject building were previously collected and analyzed for lead content. Results of bulk sampling testing are summarized in Table 2 and the laboratory certificate of analysis can be found in **Appendix C.**

Table 2:

Lead Sampling Locations and Laboratory Results

Sample I.D.	Location	Material	Colour	Lead Concentration Weight by Conc. (%)
Pb-01	Room W261	Wall Paint	Light Blue	0.938
Pb-02	Room N003	Pipe Paint	Off White	0.0442
Pb-03	Room L130	Door Frame Paint	Brown	<0.0016
Pb-04	Room L137	Radiator Paint	Pink	0.0756
Pb-05	Room M282	Wall Paint	Beige/Tan	5.86
Pb-06	Room N333A	Wall Paint	Off White	0.0053
Pb-07	Room M387A	Wall Paint	White	<0.0005
Pb-08	Room C459	Wall Paint	Off-white	0.0009
TBT-B-LBP-110906-01	Room W003	Door Frame Paint	Brown/Orange	<0.04
TBT-G-LBP-110906-02	Room L070B	Wall Paint	Beige	0.24

Sample I.D.	Location	Material	Colour	Lead Concentration Weight by Conc. (%)
TBT-G-LBP-110906-04	Room W021A	Wall & Door Paint	Blue	0.07
TBT-G-LBP-110906-05	Room L040	Wall Paint	Beige/Green	0.60
TBT-G-LBP-110906-06	Room M086	Walls & Windowsill Paint	Dark Pink	0.03
TBT-G-LBP-110906-07	Room N0126	Door Paint	Purple	<0.04
TBT-1-LBP-110906-08	Room C109	Door Frame Paint	Light Green	<0.06
TBT-1-LBP-110906-09	Room C109	Door Frame Paint	Dark Green	<0.04
TBT-1-LBP-110906-10	Room C149	Column Paint	Pink	0.46
TBT-1-LBP-110906-11	Room W112	Wall & Column Paint	Grey	<0.05
TBT-1-LBP-110906-12	Room M164	Door Paint	Blue	<0.03
Pb-1	Room L378J	Wall Paint	White	1.7
Pb-2	Room L378	Door Frame Paint	Grey	0.1040
Pb-3	L-Wing Window	Window Frame Paint	White	0.0107
Pb-4	Room C304	Wall Paint	White	<0.0020
Pb-5	Room C304	Door Frame Paint	Grey	<0.0020
LP-01	Stairwell F	Wall Paint	Beige	0.19
LS-01	Room L070	Wall Paint	Beige	<0.002
LS-02	Room L070	Wall Paint	Yellow	<0.002
LS-03	Room L070	Door Paint	Green	0.0478
LS-04	Exterior	Railing Paint	Black	<0.002
LS-05	Room L070C	Wall Paint	Light Brown	0.0107
LS-06	Exterior	Door Paint	Brown	0.0720
a	Corridor Across C307/C317	Wall Paint	Peach	1.87
a	Corridor Adjacent to M282	Wall Paint	Beige	<0.001

Sample I.D.	Location	Material	Colour	Lead Concentration Weight by Conc. (%)
a	Corridor Adjacent to C118	Wall Paint	Beige	<0.001
a	Roof "O" AHU	AHU Paint	Brown	<0.0163
b	Room 239 Hallway	Wall Paint	Brown	<0.0081
b	Room 239	Wall Paint	Beige	0.01
b	Room 236	Wall Paint	White	1.00
b	Room 239,238	Trim Paint	Red	0.0069
b	Room 219	Wall Paint	White	<0.0081
b	Room 219A	Wall Paint	Yellowed White	<0.0080

The paint finishes highlighted in blue in the above table were determined to contain low concentrations of lead which are less than or equal to 0.1%. These paint finishes were observed to be in good condition with the exception of select areas that were observed in poor condition.

The paint finishes highlighted in pink in the above table are considered lead-containing paints or surface coatings with concentrations greater than 0.1% lead by weight. These paint finishes were observed to be in good condition with the exception of select areas that were observed in poor condition.

All remaining paints tested were below the laboratory limit of detection for lead. However, all other paints throughout the subject building that are not mentioned in this report must be considered to be lead-containing unless sampling and analysis proves otherwise.

Laboratory certificate of analysis for the paint sample is also included in **Appendix A.**

3.2.2 Battery Packs

Egis identified lead-containing acid battery packs throughout the subject building. These battery packs were observed on walls and above exits throughout the surveyed building.

Lead may also be present in the following materials in the building:

- Solder used on copper domestic water lines;
- Solder used in bell fittings for cast iron pipes;
- Solder used in electrical equipment;
- Ceramic tile glaze; and
- Concrete and mortar products, etc.

Recommendations

Paints identified to contain lead that are in poor condition must be immediately repaired and/or stabilized following a minimum Type 1/2 lead abatement procedures as per OMOL "Lead on Construction Project" dated April 2011.

Paints identified to contain lead that are in fair condition should be either repaired (where possible) and/or closely monitored for signs of further deterioration.

Paints identified to contain lead that are in good condition and do not pose a risk to workers or occupants can be managed in place.

Detailed worker protection protocols are outlined in the OMOL Guideline "Lead on Construction Projects" dated April 2011. Generally, the removal of the lead-based paint with the use of a chemical gel or paste, or a power tool equipped with a HEPA filter is considered a Type 1 operation. The removal of lead-based paint by scraping or sanding using non-powered hand tools is considered a Type 2 operation. The removal of lead-based paint using abrasive blasting, or power tools without a HEPA filter, is considered a Type 3 operation, and requires the most stringent worker protection protocols (similar to asbestos). Furthermore, high temperature cutting or welding would also require Type 3 Operations under the Guideline for Lead on Construction Projects. If this type of work is required, it may be prudent to chemically remove the lead paint in selected locations prior to performing any high temperature cutting or welding.

All lead materials that are removed must follow the Ministry of Labour and Environmental Abatement Council of Canada Lead Guidelines.

Please refer to **Appendix F** – Hazardous Materials Checklist for material conditions, quantities (where applicable), and recommended actions.

Precautions should be taken as required during major renovations and demolition projects to ensure that workers' exposure levels to airborne lead does not exceed 0.05 mg/m3. This can be achieved by:

- providing workers with proper training;
- providing the workers with respiratory protection;
- wetting the surface of the materials to prevent dust emissions; and,
- providing workers with hygiene facilities to properly wash prior to exiting the work area.

Sub-trades working with or in close proximity to lead based paint should be informed of its presence.

All waste material must be handled and disposed of according to the Revised Regulation of Ontario 347/90 as amended – made under the Environmental Protection Act. Lead waste generated may also be subject to Leachate Criteria (Schedule 4) of this regulation.

3.3 Mercury

Findings

3.3.1 Thermostat Switches

Egis did not observe thermostats containing liquid mercury within the subject building.

3.3.2 Fluorescent Light Tubes

Egis identified fluorescent light fixtures throughout the surveyed area containing 2 to 4 fluorescent light tubes per fixture. Mercury is likely to be present in vapor form in the fluorescent light tubes.

3.3.3 Pressure Gauges and Float Switches

Egis identified pressure gauges containing liquid mercury in Room N005 in the subject building. Egis also identified suspected float switches that may contain liquid mercury within the subject building. They were observed in good condition.

Recommendations

Please refer to **Appendix F** – Hazardous Materials Checklist for equipment conditions, quantities (where applicable), and recommended actions.

Precautions must be taken to prevent mercury liquid/vapours from becoming airborne during building demolition. Exposure to mercury is regulated under Ontario Regulation 490/09, Designated Substances - made under the Occupational Health and Safety Act." Prior to renovations to the building, all mercury containing fluorescent light tubes, thermostats, and equipment must be removed and stored in a safe, secure location and/or properly disposed of in accordance with R.R.O. 1990, Regulation 347 General – Waste Management, made under the Environmental Protection Act.

3.4 Silica

Findings

Silica is expected to be present in building materials such as concrete, brick, mortar and ceramic tiles located throughout the structures. Free crystalline silica (α-Quartz) may be a component in ceiling tiles and gypsum board. Silica (including free crystalline silica) may also be a component of concrete and brick surfaces noted in the building.

Recommendations

Please refer to **Appendix F** – Hazardous Materials Checklist for equipment conditions, quantities (where applicable), and recommended actions.

Precautions should be taken as required during major renovations and demolition projects on concrete (i.e. coring through concrete slabs, demolition of masonry, etc.) to ensure that workers' exposure levels to airborne silica does not exceed 0.05 mg/m^3.

This can be achieved by:

- providing workers with proper training;
- providing the workers with respiratory protection;
- wetting the surface of the materials to prevent dust emissions; and,
- providing workers with facilities to properly wash prior to exiting the work area.

Demolition work that is likely to impact silica-containing materials should be carried out in accordance with the requirement detailed in the Ontario Ministry of Labour document entitled "Guideline: Silica on Construction Projects", dated April 2011 and in accordance with the University of Ottawa's **Silica Exposure Control Program**, November 2020.

Other Hazardous Materials

3.5 Polychlorinated Biphenyls (PCBs)

Findings

3.5.1 Light Ballasts

The subject building is illuminated by LED and fluorescent lights. Egis assessed representative ballasts in the building, and these ballasts were identified as non-PCBs content. These light ballasts were observed to be manufactured by Quicktronic.

3.5.2 HID Light Ballasts

Egis observed HID Lamps at the interior of the buildings. These lamps may contain PCB-containing light ballasts. These ballasts were not investigated during the survey as they could not be readily or safely disassembled.

3.5.3 Transformers

Egis did not observe any PCBs containing electrical transformers within the subject building.

Recommendations

Please refer to **Appendix F** – Hazardous Materials Checklist for equipment conditions, quantities (where applicable), and recommended actions.

No further action required at this time, identification and sorting of suspect PCB equipment would be the responsibility of any contractor performing work on electrical equipment.

Prior to any renovations, all light ballasts and HID lamps containing or suspected of containing PCBs that will be affected by the work, must be decommissioned by a licensed contractor such that PCBs are contained and not released to the environment during decommissioning and properly disposed of.

3.6 Ozone Depleting Substances (ODSs) and Other Halocarbon

Findings

A visual assessment for equipment potentially containing ODSs and other halocarbons was conducted. Egis observed equipment such as refrigerators, water fountains, water coolers, freezers, etc. which contain or are suspected of containing ODSs or other halocarbons.

No other equipment containing ODSs or other halocarbons was observed in the subject building.

Recommendations

Please refer to **Appendix F** – Hazardous Materials Checklist for equipment conditions, quantities (where applicable), and recommended actions.

Under the management of a licensed contractor, equipment containing R-22 and R-134a does not represent a significant threat to human health or the environment however, a licensed contractor must decommission equipment such that CFCs are contained and not released to the environment during servicing or operation.

3.7 Radioactive Materials

Findings

A visual assessment of the subject building was conducted to determine if any electrical components containing radioactive materials were present. Egis did not observe any electrical components containing radioactive materials.

Recommendations

Please refer to **Appendix F** – Hazardous Materials Checklist for equipment conditions, quantities (where applicable), and recommended actions.

The radioactive sources in smoke alarms are sealed and contained within a metal case inside the smoke detector and must not be damaged or tampered with. These materials do not pose a hazard as long as they remain contained and properly disposed at the time of removal or replacement.

Prior to any renovations or demolition of the building, all equipment containing radioactive materials must be decommissioned by a licensed contractor such that radioactive materials are contained and not released to the environment during decommissioning as per O.Reg. 347/09.

Since no radioactive materials were observed or suspected to be present during the site survey, no further action is required.

3.8 Underground and Above Ground Storage Tanks (USTs and ASTs)

Findings

A visual survey of the subject building was conducted to determine if any USTs and ASTs were present. No USTs and ASTs were present within the surveyed area.

Recommendations

Please refer to **Appendix F** – Hazardous Materials Checklist for equipment conditions, quantities (where applicable), and recommended actions.

Prior to any demolition in the buildings within the facility, all USTs and ASTs equipment must be decommissioned by a licensed contractor such that substances are contained and not released to the environment during decommissioning.

Since no underground and/or above ground storage tanks (USTs and ASTs) were observed or suspected to be present during the site survey, no further action is required.

3.9 Mould

Findings

3.9.1 Mould

A visual survey of the subject building was conducted to determine if any mould was present. Egis did not observe any areas with obvious signs of visible mould growth.

3.9.2 Water Damage

A visual survey of the subject building was conducted to determine if any water damaged was present. Egis did not find any areas with water damage.

Recommendations

Please refer to **Appendix F** – Hazardous Materials Checklist for equipment conditions, quantities (where applicable), and recommended actions.

Water stained/damaged ceiling tiles observed throughout the subject building should be replaced as part of regular maintenance and the underlying cause of the water leakage should be identified and repaired following the university of Ottawa **Mould Control and Water Damage Restoration Program**, March 2023.

Water stained/damaged ceiling tiles that are also determined to contain asbestos must be replaced following appropriate asbestos abatement procedures as outlined in O.Reg. 278/05.

This report should be made available to contractors tendering on any renovation or demolition work. In turn, all contractors requesting tenders from subcontractors shall furnish this report to subcontractors.

4.0 GENERAL CONSIDERATIONS AND LIMITATIONS

The information presented in this report is based on information provided by others, direct visual observation made by personnel with **Egis Canada Limited (Egis)**, and the results of laboratory testing as identified herein.

It should be noted that there might be hazardous materials in locations not visible during our investigation. In the event such material is encountered during demolition operations in the building, this material should be tested and dealt with accordingly.

The findings detailed in this report are based upon the information available at the time of preparation of the report. No investigative method eliminates the possibility of obtaining imprecise or incomplete information. Professional judgement was exercised in gathering and analyzing the information obtained and in the formulation of our conclusions and recommendations.

Egis does not certify or warrant the environmental status of the property nor the building on the property.

Please note that the passage of time affects the information provided in the report. Environmental conditions of a site can change. Opinions relating to the site conditions are based upon information that existed at the time that the conclusions were formulated.

The client expressly agrees that it has entered into this agreement with Egis, both on its own behalf and as agent on behalf of its employees and principals.

The client expressly agrees that Egis' employees and principals shall have no personal liability to the client in respect of a claim, whether in contract, tort and/or any other cause of action in law. Accordingly, the client expressly agrees that it will bring no proceedings and take no action in any court of law against any of Egis employees or principals in their personal capacity.

We trust that we have detailed our findings clearly and that we have satisfactorily addressed the scope of work you require at this time. In the event you wish us to review our findings with you, or require our services further in this regard, please do not hesitate to contact our office.

Yours truly,

Egis Canada Limited

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APPENDIX A

Regulatory Requirements

REGULATORY REQUIREMENTS

In Ontario, there is a total of eleven Designated Substances. These substances have been regulated under Ontario Regulation 490/09 — *Designated Substances*, made under the Ontario Health and Safety Act, which applies to controlling designated substances in the workplace.

In addition to the Ontario Regulation 490/09 noted above, the following were observed for this survey:

Guideline: Lead on Construction Projects, issued April 2011 by the Occupational Health and Safety branch of the Ministry of Labour

Guideline: Silica on Construction Projects issued April 2011 by the Occupational Health and Safety branch of the Ministry of Labour.

The Occupational Health and Safety Act (OHSA), R.S.O. 1990, c.0.1, s.30 (1) specifies that: "Before beginning a project, the owner shall determine whether any Designated Substances are present at the project site and shall prepare a list of all Designated Substances that are present at the site.

Section 30 of The Act requires that the list of Designated Substances be provided to prospective contractors and subcontractors who may do work on a site and come into contact at the site with Designated Substances.

The Ministry of Labour has designated the following substances:

- Acrylonitrile
- Arsenic
- Asbestos
- Benzene
- Coke Oven Emissions
- Ethylene Oxide
- Isocyanates
- Lead
- Mercury
- Silica
- Vinyl Chloride

Ontario Regulation 278/05 (O. Reg. 278/05), the Regulation respecting Asbestos on Construction Projects and in Buildings and Repair Operations, made under the Occupational Health and Safety Act (OHSA), requires owners of a building to identify Asbestos-containing Materials (ACMs) prior to potential disturbance of the materials.

In addition, an owner of a building is required to have an Asbestos Management Plan (AMP) if ACMs (friable or non-friable) are present in the building and are to remain in place. An inventory of ACMs must be kept on site. All ACMs must be routinely inspected to ensure no damage has occurred, and the inventory must be updated once in each 12-month period and as may be required based on expected changing site conditions, abatement and/or renovation activities. Removal of all asbestos containing materials is required prior to building demolition.

In addition to the Designated Substances, the building was also surveyed for the presence of polychlorinated biphenyls (PCBs),

We understand that this survey has been conducted to comply with the regulatory requirements of Ontario Regulations 278/05 and 490/09.

APPENDIX B

Survey Methodology & Background Information

SURVEY METHODOLOGY

For the purpose of this survey, not all Designated Substances or suspect hazardous material were sampled. Selective sampling was carried out only for substances that were suspected to be present or those deemed to have a likely source of origin in the survey areas.

Materials that were homogeneous in nature and/or similar in appearance to other materials tested were considered to be of similar composition. The likelihood of ACMs being present in inaccessible areas such as above gypsum board ceilings or behind gypsum wallboards was determined by assessing the presence of asbestos-containing systems in adjacent areas. Equipment such as boilers, motors, blowers, electrical panels, fire doors etc., were not de-energized or disassembled to examine internal components or materials. These items should be considered to contain hazardous materials until proven otherwise.

During the survey, representative samples of suspect building materials were collected and sent to an AIHA/NVLAP accredited independent laboratory for analysis. Laboratory Certificates of Analysis are attached in **Appendix C.**

Other potential hazardous materials were identified by visual observation and/or by reviewing Material Safety Data Sheets (MSDS) and/or safety labels where available.

Investigated Areas

The survey included all accessible areas and ceiling space as required under our scope of work. No destructive investigations were performed as part of this survey. Photographs of the areas investigated can be found in **Appendix D.**

The assessment was directed on the interior structure and finishes of the building. It did not consider current or past owner or occupant articles within the building (i.e. contents, furniture, etc.) and does not report on possible contaminants in the soil under and surrounding the building, or contents of vessels, drums, etc. that may be concealed.

Sampling and Assessment Methodologies

Sampling was conducted as part of this assessment. Results for asbestos and lead samples can be found in the Findings & Recommendation Section 3.0.

A historical review of previous designated substance survey reports and abatement reports was examined as part of this survey. Due to concerns regarding certain historical analytical results, mainly in 2008 and prior years, confirmatory re-sampling was conducted for selected materials previously identified not to contain asbestos. However, building materials previously identified to be asbestos-containing were not re-sampled. The reports are listed as follows,

- Project Specific Designated Substance by Buller Crichton Environmental Inc. (dated April 16th, 2024, Project No. 24-448);

- Designated Substance Survey and 2023 Reassessment by McIntosh Perry. (dated 2023, Project No. CCC-230252-00);
- Project Specific Designated Substance by McIntosh Perry. (dated April 23th, 2021, Project No. CCC-220067-00);
- Project Specific Designated Substance by Buller Crichton Environmental Inc. (dated March 24th, 2021, Project No. 20-616);
- Project Specific Designated Substance by Buller Crichton Environmental Inc. (dated October 23th, 2020, Project No. 20-615);
- Bulk Sampling Report for Asbestos Content Analysis by Buller Crichton Environmental Inc. (dated March 2021, Project No.21-170);
- Bulk Sample Report by McIntosh Perry (dated January 2020, Project No.42018);
- Additional Asbestos Bulk Sampling by CM3 Environmental (dated September 12th, 2019, CM3 Project No. RM-TLW-2479);
- Designated Substance Inventory by Buller Crichton Environmental Inc. (dated March 2020, Project No.20-143);
- Project Specific Designated Substance Survey by CM3 Environmental (dated February 7th, 2019, CM3 Project No. TLW-2302);
- Designated Substance Inventory by Conestoga-Rovers & Associates (dated December 2007, CRA Project No. 45870(12));
- Asbestos Sampling Memorandum by Conestoga-Rovers & Associates (dated April 3, 2003, CRA Project No. 7966-M27);
- Asbestos Sampling Memorandum by Conestoga-Rovers & Associates (dated June 9, 2006, CRA Project No. 7966-M-108);
- Asbestos Sampling Report by CM3 Environmental (dated June 3, 2016, CM3 Project No. TLW 1051);
- Asbestos Sampling Report by CM3 Environmental (dated July 11th, 2016, CM3 Project No. TLW 1085);
- Asbestos Sampling Report by CM3 Environmental (dated July 18th, 2016, CM3 Project No. TLW 1097);
- Asbestos Air Sampling Report by CM3 Environmental (dated May 14th, 2019, CM3 Project No. AN-1119);
- Asbestos Abatement Report by CM3 Environmental (dated August 2nd, 2016, CM3 Project No. TLW 1118);
- Investigation, Potential Asbestos Debris by CM3 Environmental (dated June 11th, 2018, CM3 Project No. TLW 1550);

- Pre-contamination Inspection by CM3 Environmental (dated July 29th, 2018, CM3 Project No. TLW 1118);
- Daily Inspection Report by CM3 Environmental (dated January 12th, 2019, CM3 Project No. TLW 1118);
- Daily Inspection Report by CM3 Environmental (dated July 30th, 2019, CM3 Project No. TLW 1118);
- Daily Inspection Report by CM3 Environmental (dated November 16th, 2017, CM3 Project No. TLW 1550);
- Daily Inspection Report by CM3 Environmental (dated November 17th, 2017, CM3 Project No. TLW 1550);
- Daily Inspection Report by CM3 Environmental (dated November 18th, 2017, CM3 Project No. TLW 1550);
- Daily Inspection Report by CM3 Environmental (dated November 20th, 2017, CM3 Project No. TLW 1550);
- Daily Inspection Report by CM3 Environmental (dated November 21st, 2017, CM3 Project No. TLW 1550);
- Daily Inspection Report by CM3 Environmental (dated November 22nd, 2017, CM3 Project No. TLW 1550);
- Daily Inspection Report by CM3 Environmental (dated November 27th, 2017, CM3 Project No. TLW 1550);
- Asbestos Sampling Report by CM3 Environmental (dated October 12th, 2017, CM3 Project No. TLW 1554);
- Mould & Particulate Sampling Report by CM3 Environmental (dated March 16th, 2018, CM3 Project No. TLW 1863);
- Asbestos Sampling Report by CM3 Environmental (dated June 25th, 2018, CM3 Project No. TLW 1962);
- Asbestos Sampling Report by CM3 Environmental (dated June 1st, 2018, CM3 Project No. TLW 1962);
- Asbestos Sampling Report by CM3 Environmental (dated August 22, 2018, CM3 Project No. TLW 2079);
- Asbestos Sampling Report by CM3 Environmental (dated October 22nd, 2018, CM3 Project No. TLW 2190);
- Asbestos Sampling Report by CM3 Environmental (dated June 1st, 2018, CM3 Project No. TLW 1962);

- Asbestos Sampling Report by CM3 Environmental (dated October 22nd, 2018, CM3 Project No. TLW 2190);
- Asbestos Abatement Summary Report by CM3 Environmental (dated January 14th, 2019, CM3 Project No. TLW 2296);
- Project Specific Designated Substances Survey Report by CM3 Environmental (dated February 7th, 2019, CM3 Project No. TLW 2302);
- Pre-Construction Asbestos Containing Materials Assessment by CM3 Environmental (dated October 10th, 2017, CM3 Project No. TLW 1550);
- Investigation, Potential Asbestos Debris by CM3 Environmental (dated May 30th, 2018, CM3 Project No. TLW 1550);
- Asbestos Abatement Project Summary Report by EHS (dated December 13th, 2012, EHS Project No. 04-0033-12-041);
- Final Air Clearance Sample Results by EHS (dated December 2nd, 2013, EHS Project No. 04-0033-12-049);
- Final Air Clearance Sample Results by EHS (dated April 13th, 2013, EHS Project No. 04-0033-12-049);
- Asbestos Abatement Project Summary Report by EHS (dated July 22nd, 2013, EHS Project No. 04-0033-12-049);
- Asbestos Abatement Project Summary Report by EHS (dated September 6th, 2013, EHS Project No. 04-0033-13-023);
- Potential Airborne Asbestos Testing Report by EHS (dated August 6th, 2013, EHS Project No. 04-0033-13-040);
- Asbestos Abatement Project Summary Report by EHS (dated November 20th, 2013, EHS Project No. 04-0033-13-053);
- Asbestos Abatement Project Summary Report by EHS (dated April 1st, 2015, EHS Project No. 04-0033-15-003);
- Asbestos Containing Material Review by EHS (dated March 11th, 2015, EHS Project No. 04-0033-15-012);
- Potential Asbestos Parging Assessment by EHS (dated April 22nd, 2015, EHS Project No. 04-0033-15-012);
- Asbestos Abatement Project Summary Report by EHS (dated August 4th, 2015, EHS Project No. 04-0033-15-012);
- Asbestos Abatement Project Summary Report by EHS (dated October 28th, 2015, EHS Project No. 04-0033-15-036);

- Final Air Clearance Sample Results by EHS (dated April 2nd, 2013, EHS Project No. 04-0033-12-049);
- Pre-Construction Asbestos Containing Materials Assessment by EHS (dated June 12th, 2014, EHS Project No. 04-0033-14-028);
- Pre-Construction Asbestos Containing Materials Assessment by EHS (dated June 11th, 2014, EHS Project No. 04-0033-14-027);
- Asbestos Sampling Report by EHS (dated April 30th, 2014, EHS Project No. 04-0033-14-016);
- Asbestos Sampling Report by EHS (dated February 2016, EHS Project No. 04-0033-16-005);
- Asbestos & Lead Sampling Report by EHS (dated October 29th, 2013, EHS Project No. 04-0033-13-059);
- Potential Asbestos Materials Assessment by EHS (dated August 11th, 2014, EHS Project No. 04-0033-14-038);
- Potential Asbestos Materials Assessment by EHS (dated August 28th, 2014, EHS Project No. 04-0033-14-043);
- Asbestos Sampling Report by EHS (dated April 6th, 2016, EHS Project No. 04-0033-16-012);
- Asbestos Sampling Report by EHS (dated April 14th, 2016, EHS Project No. 04-0033-16-015);
- Project Specific Asbestos Analysis Report by EHS (dated May 12th, 2011, EHS Project No. 04-0033-11-003);
- Potential Asbestos Sampling Report by EHS (dated November 25th, 2011, EHS Project No. 04-0033-11-026);
- Potential Asbestos Sampling Report by EHS (dated April 26th, 2012, EHS Project No. 04-0033-12-014);
- Project Specific Asbestos Sampling Report by EHS (dated July 20th, 2012, EHS Project No. 04-0033-12-029);
- Asbestos Abatement Project Summary Report by EHS (dated August 21st, 2012, EHS Project No. 04-0033-12-032);
- Asbestos Sampling Report by EHS (dated August 21st, 2012, EHS Project No. 04-0033-12-032);
- Potential Asbestos-Containing Materials Investigation Report by EHS (dated October 30th, 2012, EHS Project No. 04-0033-12-038);
- Potential Asbestos-Containing Materials Investigation Report by EHS (dated October 29th, 2012, EHS Project No. 04-0033-12-039);
- Additional Drywall Joint Compound Analysis Report by EHS (dated November 5th, 2012, EHS Project No. 04-0033-12-040);

- Potential Asbestos-Containing Materials Investigation Report by EHS (dated October 30th, 2012, EHS Project No. 04-0033-12-040);
- Potential Asbestos Sampling Report by EHS (dated January 28th, 2013, EHS Project No. 04-0033-13-002);
- Potential Asbestos Sampling Report by EHS (dated February 25th, 2013, EHS Project No. 04-0033-13-002);
- Potential Asbestos Sampling Report by EHS (dated March 6th, 2013, EHS Project No. 04-0033-13-002);
- Potential Asbestos Sampling Report by EHS (dated March 11th, 2013, EHS Project No. 04-0033-13-002);
- Potential Asbestos Sampling Report by EHS (dated March 13th, 2013, EHS Project No. 04-0033-13-002);
- Potential Asbestos Sampling Report by EHS (dated April 2nd, 2013, EHS Project No. 04-0033-13-002);
- Pre-Construction Asbestos Containing Materials Assessment by EHS (dated May 16th, 2014, EHS Project No. 04-0033-14-012);
- Pre-Construction Hazardous Materials Assessment by EHS (dated May 16th, 2013, EHS Project No. 04-0033-13-023);
- Concealed Vinyl Flooring Asbestos Assessment Report by EHS (dated July 24th, 2013, EHS Project No. 04-0033-13-023);
- Potential Asbestos Sampling Report by EHS (dated July 10th, 2013, EHS Project No. 04-0033-13-023);
- Potential Asbestos Sampling Report by EHS (dated October 22nd, 2013, EHS Project No. 04-0033-13-053);
- Potential Asbestos Sampling Report by EHS (dated December 8th, 2014, EHS Project No. 04-0033-14-053);
- Additional Asbestos Sampling Report by EHS (dated July 15th, 2015, EHS Project No. 04-0033-15-012);
- Asbestos Sampling Report by EHS (dated June 23rd, 2015, EHS Project No. 04-0033-15-012);
- Additional Asbestos Sampling Report by EHS (dated July 24th, 2015, EHS Project No. 04-0033-15-012);
- Additional Asbestos Sampling Report by EHS (dated August 21st, 2015, EHS Project No. 04-0033-15-012);
- Additional Asbestos Sampling Report by EHS (dated July 30th, 2015, EHS Project No. 04-0033-15-012);

- Asbestos Sampling Report by EHS (dated September 14th, 2015, EHS Project No. 04-0033-15-027);
- Project Specific Asbestos Sampling Report by EHS (dated September 14th, 2015, EHS Project No. 04-0033-15-030);
- Asbestos Abatement Summary Report by EHS (dated April 1, 2015, EHS Project No. 04-0033-15-003);
- Asbestos Incident Report by EHS (dated August 15th, 2012, EHS Project No. 04-0033-12-032);
- Pre-Construction Hazardous Materials Assessment by CM3 Environmental (dated May 2017, CM3 Project No. TLW 1366);

Asbestos

Background Information on Asbestos

Asbestos is a generic name that has been given to a group of naturally occurring fibrous minerals. In the past, asbestos was commonly used as a component in building materials such as insulation, fireproofing and acoustic or decorative panels. Although there are many types of asbestos, the three main forms of commercial importance in Ontario are chrysotile, amosite and crocidolite.

An Asbestos-Containing Material (ACM) is defined by O. Reg. 278/05 as a material that contains 0.5% or more asbestos by dry weight. ACMs are placed into two general classes, "friable" and "non-friable" ACMs. Friable ACMs are those materials that when dry can be crumbled, pulverized and reduced to powder by hand pressure. Typical friable ACMs include acoustical or decorative texture coats, fireproofing and thermal insulation. Non-friable ACMs are much more durable as they are held together by a binder such as cement, vinyl or asphalt. Typical non-friable ACMs include floor tiles, fire blankets, roofing materials and cementitious products such as wallboards, pipes or siding.

It has been recognized that hazardous situations may exist in buildings where asbestos-containing materials are found. This is especially true where asbestos fibres may become airborne as a result of material ageing, physical damage, and water damage or air movement.

In contrast, there is little reason for concern if the asbestos is in good condition, has not been damaged and is not in a location where it is likely to be disturbed.

Asbestos Survey Methodology

The asbestos survey included the identification of potential friable and non-friable asbestos-containing materials within the surveyed areas of the subject building.

The likelihood of ACMs being present in inaccessible areas such as above gypsum wallboard ceilings and walls was determined by assessing the presence of asbestos-containing materials in adjacent areas.

Fiberglass insulation was not submitted for analysis as it can be identified visually as non-asbestos material.

Building materials suspected of containing asbestos were identified and representative sampling and laboratory testing of these materials was conducted. The number of bulk material samples collected from a homogeneous area was in accordance with Table 1. O. Reg. 278/05 s. 3 (3) below. Building materials suspected of containing asbestos were collected using wetting techniques and hand sampling tools.

Table 1 - O. Reg. 278/05 s. 3(3): Minimum Asbestos Bulk Material Sample Requirements

Item	Type of Material	Size of Area of Homogeneous Material	Minimum Number of Bulk Material Samples to be Collected
1.	Surfacing material, including without limitation, material that is applied to surfaces by spraying, by troweling or otherwise, such as acoustical plaster on ceilings and fireproofing materials on structural members	Less than 90 square metres	3
		90 or more square metres, but less than 450 square metres	5
		450 or more square metres	7
2.	Thermal insulation, except as described in item 3	any size	3
3.	Thermal insulation patch	Less than 2 linear metres or 0.5 square metres	1
4.	Other material	Any size	3

Preliminary identification of the samples was made using polarized light microscopy (PLM), with confirmation of presence and type of asbestos made by dispersion staining optical microscopy. This analytical procedure follows the U.S. Environmental Protection Agency Test Method EPA/600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials, June 1993.

All bulk samples were analysed for asbestos content by Paracel Laboratories Ltd., an independent laboratory. Paracel is a fully accredited facility for asbestos analysis and is accredited under National Voluntary Laboratory Accreditation (NVLAP Lab Codes 200812-0 and 200863-0). Paracel is accredited for asbestos bulk analysis in PLM in Ottawa and Mississauga, respectively. For the Scope of Accreditation under the (CALA) Membership Number 1262, Paracel is accredited for asbestos in air samples by PCM.

Vinyl floors tiles were analyzed using the phase light microscopy (PLM) method of analysis. However, given the composition of vinyl floor products, the PLM analysis method may be prone to yielding false negative analytical results. Therefore, prior to removal or replacement, vinyl floor products previously identified to be negative, should undergo additional analysis by Transmission Electron Microscopy (TEM) to confirm asbestos content, if any.

Materials identified to contain asbestos were assessed on the relative possibility of fibre release into the air due to a combination of their condition and accessibility.

Evaluation of ACMs Based on Condition

In evaluating an ACM's condition, the following criteria was applied:

- **Good** – Material shows no signs of damage and/or is encapsulated. Asbestos-containing material could remain in place until eventual building demolition or major renovation.
- **Fair** – Material shows signs of minor damage (<5% damage) or otherwise near the end of useful life. This includes minor shrinking, cracking, delamination and/ or other damage. Material should be monitored closely and scheduled to be repaired, encapsulated or removed.
- **Poor** – Damage is greater than 5% to any ACM material and is highly recommended to be removed, repaired or encapsulated.

Note: The above evaluation criteria was also applied to other hazardous materials where applicable. Please refer to the Asbestos and Hazardous Materials Checklist in ***Appendix E & F*** *for further details.*

Lead

Background Information on Lead

Lead was a common additive in exterior and hard-wearing paint applications. Lead was used to prolong shelf life of paint and to increase its flexibility and durability to wear and weather. Acute exposure to lead by inhalation or ingestion may cause headaches, fatigue, nausea, abdominal cramps and joint pain. Chronic exposures can cause reduced haemoglobin production and reduced lifespan. It has also been known to impact the body's central and peripheral nervous systems and brain function and has been linked to learning disabilities in children.

Currently in Ontario, there is no regulatory limit that determines what concentration of lead constitutes a "lead containing material". On October 21, 2010, Health Canada, under the *Hazardous Products Act*, stated that the lead content in surface-coating materials, furniture, toys and other articles for children, should not exceed 90 mg/kg (0.009%, 90 ppm). However, this is intended for the importation or sale of products within Canada. Therefore, this is not to be misconstrued as a limit established to define a lead-containing material or a limit with respect to lead on construction projects.

The Environmental Abatement Council of Canada (EACC) has also developed the "*Lead Guideline for Construction, Renovation, Maintenance or Repair*" dated October 2014, which discusses the classification, handling, disturbance and removal of lead-containing materials. For the purpose of this guideline, paints or surface coatings containing less than or equal to 0.1% lead by weight (1000 mg/kg or 1000 ppm) are considered low-level lead paints or surface coatings. If these materials (and their respective surfaces) are disturbed in a non-aggressive manner and performed using adequate dust control procedures, then worker protection from the inhalation of lead is not required.

Furthermore, paints or surface coatings containing greater than 0.1% lead by weight are considered lead-containing paints or surface coatings. If these materials (and their respective surfaces) are disturbed, appropriate lead abatement procedures must always be followed.

Exposure to lead-containing materials is regulated under Ontario Regulation 490/09, *Designated Substances* - made under the Occupational Health and Safety Act. Care must be taken to prevent lead-containing particles from becoming airborne during the disturbance of lead-containing surfaces (i.e., during renovation or demolition projects). All lead abatement work must follow procedures outlined in the Guideline Lead on Construction Projects, issued in September 2004 (amended in April 2011) by the Occupational Health and Safety branch of the Ministry of Labour (Type 1-3). Similarly, the lead abatement work procedures outlined in the EACC Lead Guideline for Construction, Renovation, Maintenance or Repair (October 2014) may also be implemented (Class 1-3).

Lead is known to have been used in solder on copper plumbing fixtures, in lead conduit pipes, in lead-calcium battery plates, ammunition, and in nuclear and X-ray shielding devices. However, these materials were not sampled during this investigation but were noted where applicable.

To verify lead content in paints, representative bulk samples of paint and finishes suspected of containing lead were collected. Bulk samples were scraped down to the building base structure, with all possible layer's present, placed in sealed plastic bags and labeled; and then submitted to an independent laboratory for analysis. Samples were treated with a dilute nitric acid sample digestion prior to filtration. Analysis utilized for lead detection in filtered samples was inductively coupled plasma optical emission spectrometry (ICP-OES).

Mercury

Background Information on Mercury

Mercury is known to cause poisoning in humans through the inhalation of vapours, ingestion of contaminated materials or skin absorption through direct contact with the liquid.

Precautions must be taken to prevent mercury vapours from becoming airborne during renovations or demolition of the building. Exposure to airborne mercury is regulated under the Revised O. Reg. 490/09 as amended – Regulation respecting Mercury – made under the Occupational Health and Safety Act; and under O. Reg. 558, which amended O. Reg. 347/90 (General - Waste Management), mercury is classified as a Schedule 2(b) Hazardous Waste Chemical. Its hazardous waste number is U151.

Mercury is found in products such as thermostats, temperature and pressure gauges, fluorescent lamps and batteries. Mercury in products can be released to the environment through breakage, or disposal at the end of a product's useful life. Improper disposal of these mercury products poses a health and environmental risk to everyone. In addition, the disposal of mercury-containing products can create wastes that are often classified as hazardous. Wastes that leach mercury in concentrations exceeding Ontario Regulation 347/90 (General - Waste Management) limits are also considered hazardous.

The mercury in thermostats switch contains approximately 3-4 grams of mercury in a glass ampoule, typically attached to a metal coil. Mercury-containing switches have been used in thermostats for over 40 years.

Mercury is an essential component in fluorescent lamps and HID lamps. The mercury is in a vapour form and in the phosphor coating on the lamp tube. Estimates of the mercury content contained in compact, 4 foot, and 8-foot lamps are 10 mg, 23 mg, and 46 mg respectively.

Most fluorescent lamps qualify as hazardous waste when removed from service and are therefore prohibited from disposal in the solid waste stream. Fluorescent lamps would be classified as 146T on your facility Generator Registration Report under O. Reg. 347/90 - General Waste Management, as amended by O. Reg. 558/00. Under this regulation, if the leachate results exceed 0.1 milligrams of mercury per litre for a given waste, then the facility must treat the waste as hazardous waste. Most fluorescent and HID lamps will exceed the leachate toxicity limit; therefore, these wastes must be registered and treated as hazardous waste or sent for recycling.

Silica

Background Information on Silica

Silica is expected to be present in building materials such as concrete, brick, mortar and ceramic tiles located throughout the structures. Free crystalline silica (▪ -Quartz) may be a component in ceiling tiles and gypsum board. Silica (including free crystalline silica) may also be a component of concrete and brick surfaces noted in the building.

Exposure to airborne silica is regulated under Ontario Regulation 490/09, *Designated Substances* - made under the Occupational Health and Safety Act.

Polychlorinated Biphenyls (PCBs)

Background Information on PCBs

Polychlorinated Biphenyls (PCBs) were commonly used as dielectric insulating fluid in electrical equipment such as transformers and capacitors, and in the fluorescent and HID lamp ballasts. The production of PCBs in the North America started in 1929 and was banned at the beginning of 1979. After 1981, no manufacturers produced fluorescent and HID lamps with PCB-containing ballasts.

PCBs are not a designated substance under the Occupational Health and Safety Act.

PCB Regulations (SOR/2008-273)

The *PCB Regulations* (the Regulations) set specific deadlines for ending the use of PCBs in concentrations at or above 50 mg/kg, eliminating all PCBs and equipment containing PCBs currently in storage and limiting the period of time PCBs can be stored before being destroyed. The Regulations also establish sound practices for the better management of the remaining PCBs in use (i.e. those with

content of less than 50 mg/kg), until their eventual elimination, to prevent contamination of dielectric fluids and dispersion of PCBs in small quantities into other liquids.

Ozone Depleting Substances (ODSs) and Other Halocarbons

Background Information on ODSs

Within Ontario, the general use of ozone depleting substances (ODSs) and other halocarbons is controlled through Regulation 463/10 of the Environmental Protection Act. Production of ODSs in the form of hydro chlorofluorocarbons (HCFCs) and chlorofluorocarbons (CFCs) ceased in Canada in 1993 as a result of their ozone-depleting characteristics. Importation of CFCs into Canada ceased in 1997 and total ban was placed on their use since 2010. The use of these materials is still permitted in existing equipment, but equipment must be serviced by a licensed contractor such that CFCs are contained and not released to the environment during servicing or operation.

Radioactive Materials

There are two types of smoke detectors commonly found in building (residential, institutional, commercial, industrial, etc). Photoelectric-type smoke detectors detect smoke using an optical sensor, whereas ionization-type smoke detectors use an ionization chamber containing radioactive material. The ionization type is cheaper and is particularly common in older buildings. A typical modern detector contains about 1.0 microcurie of the radioactive element americium, a decrease from 3 microcurie in 1978. The use of sealed radioactive material sources in fire detection systems is still permitted and regulated by the Canadian Nuclear Safety Commission (CNSC) and the Canadian Nuclear Safety Act. The radioactive sources in smoke alarms are sealed and contained within a metal case inside the smoke detector and must not be damaged or tampered with.

Mould & Water Damage

Mould growth inside buildings is due to excess moisture caused by leakages, condensation or capillary movement of water into the building. Toxic moulds such as *Stachybotrys chartarum* and some species of *Aspergillus* spp. are greenish-black, wet and slimy moulds that grow on soaking wet cellulose-based materials. They are often found near water leaks or where drying is very slow and can form after flooding if insufficient cleanup and drying occurred. They will generally not occur if materials are kept dry.

Egis conducted a general visual assessment for any obvious signs of visible mould and/or water damage. Based on our visual observations, the following guidelines were used in providing our recommendations for remedial action where required:

- Institute of Inspection Cleaning and Restoration Certification (IICRC) S520 Standard and Reference for Professional Mould Remediation,
- The Canadian Construction Association (CCA) Mould Guidelines for the Canadian construction industry (CCA document 82-2004)

- Environmental Abatement Council of Canada (EACC) Mould Abatement Guidelines.

Other Designated Substances

Select Designated Substances (acrylonitrile, arsenic, coke oven emissions, ethylene oxide, isocyanates, benzene, or vinyl chloride) are not expected to be present in the building in matrix or sufficient quantities to cause an exceedance of Ministry of Labour exposure guidelines. As such, no sampling was conducted for these materials.

Vinyl Chloride

Vinyl chloride (monomer) is likely to be present in stable form within poly vinyl-chloride (PVC) piping and conduits and as a component of interior finishes. Such building materials are not considered to be hazardous in their current matrix/composition.

Acrylonitrile

Acrylonitrile or ACN (also known as vinyl cyanide) is an explosive, flammable liquid used in the manufacture of acrylic fibres, rubber-like materials and pesticide fumigants. Acrylonitrile was not noted and would not be expected to be present in the project specific area/surveyed area/subject building.

Arsenic

Arsenic is used in metallurgy for hardening copper, lead and alloys, in pigment production, in the manufacture of certain types of glass, in insecticides, fungicides and rodenticides, as a by-product in the smelting of copper ores, and as a dopant material in semiconductor manufacturing. Arsenic or arsenic compounds were not noted and are not expected to be present in the project specific area/surveyed area/subject building.

Benzene

Benzene or benzol is a colourless liquid. It is used as an intermediate in the production of styrene, phenol, cyclohexane, and other organic chemicals, and in the manufacture of detergents, pesticides, solvents, and paint removers. It is also found in gasoline. Benzene may be present in stable form in roofing materials, paints and adhesives located throughout the subject building. Such building materials are not considered to be hazardous in their current matrix/composition.

Coke Oven Emissions

Coke oven emission is benzene soluble fraction of total particulate matter of the substances emitted into the atmosphere from metallurgical coke ovens.

Ethylene Oxides

Ethylene oxide is a colourless gas liquefying below 12°C. It is used generally as a fumigant and sterilizing agent for medical equipment. It is used generally as a fumigant and sterilizing agent for medical equipment.

Isocyanates

Isocyanates compounds may be present in stable form in paint finishes, varnishes, and polyurethane plastics, synthetic rubbers, foams and adhesives. Such building materials are not considered to be hazardous in their current matrix/composition.

In order to reduce the potential for exposure to workers or occupants, any suspect hazardous building material(s) that are not detailed within this survey due to inaccessibility and/or are discovered during renovation/demolition activities, must be properly assessed and/or tested prior to their disturbance.

APPENDIX C

Laboratory Analytical Reports

AGAT Laboratories

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
http://www.agatlabs.com

Certificate of Analysis

AGAT WORK ORDER: 20Z577312

PROJECT: 20-143

CLIENT NAME: BULLER CRICHTON ENVIRONMENTAL Inc.

ATTENTION TO: Derek Stashick; Andrée Young

SAMPLING SITE:

SAMPLED BY:Andrée & Derek

Bulk Asbestos

DATE RECEIVED: 2020-02-24 **DATE REPORTED: 2020-02-27**

		SAMPLE DESCRIPTION:		AS-01A (DJC)	AS-01B (DJC)	AS-01C (DJC)	AS-02A (DJC)	AS-02B (DJC)	AS-02C (DJC)
		SAMPLE TYPE:		Asbestos	Asbestos	Asbestos	Asbestos	Asbestos	Asbestos
		DATE SAMPLED:		2020-02-21	2020-02-21	2020-02-21	2020-02-21	2020-02-21	2020-02-21
Parameter	Unit	G / S	RDL	964546	964548	964549	964550	964551	964552
Asbestos (Bulk)	%	0.5	0.5	ND	ND	ND	ND	ND	ND

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to ON OHSA - Reg. 278
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

964546-964552 Condition of sample was satisfactory at time of arrival in laboratory.

"ND" - Not Detected

As per Reg 278/05 and AGAT SOP, all non-detect results have been analyzed and confirmed three times.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Wenhong Zou

AGAT Laboratories

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
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Certificate of Analysis

AGAT WORK ORDER: 20Z577312

PROJECT: 20-143

CLIENT NAME: BULLER CRICHTON ENVIRONMENTAL Inc.

ATTENTION TO: Derek Stashick; Andrée Young

SAMPLING SITE:

SAMPLED BY:Andrée & Derek

Lead in Paint by ICP-OES - µg/g

DATE RECEIVED: 2020-02-24

DATE REPORTED: 2020-02-27

		SAMPLE DESCRIPTION:		**LS-01**	**LS-02**	**LS-03**
		SAMPLE TYPE:		**Paint**	**Paint**	**Paint**
		DATE SAMPLED:		**2020-02-21**	**2020-02-21**	**2020-02-21**
Parameter	**Unit**	**G / S**	**RDL**	**964553**	**964554**	**964555**
Lead	µg/g		10	18700	<10	<10

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Vivine Basily

AGAT Laboratories

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MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
http://www.agatlabs.com

Quality Assurance

CLIENT NAME: BULLER CRICHTON ENVIRONMENTAL Inc.

AGAT WORK ORDER: 20Z577312

PROJECT: 20-143

ATTENTION TO: Derek Stashick; Andrée Young

SAMPLING SITE:

SAMPLED BY:Andrée & Derek

Occupational Hygiene Analysis

RPT Date: Feb 27, 2020			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Lead in Paint by ICP-OES - µg/g															
Lead	964553	964553	18700	19100	2.1%	< 10	83%	80%	120%	108%	80%	120%	90%	70%	130%

Certified By: Nivine Basily

AGAT Laboratories

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
http://www.agatlabs.com

Method Summary

CLIENT NAME: BULLER CRICHTON ENVIRONMENTAL Inc.

AGAT WORK ORDER: 20Z577312

PROJECT: 20-143

ATTENTION TO: Derek Stashick; Andrée Young

SAMPLING SITE:

SAMPLED BY:Andrée & Derek

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Asbestos (Bulk)	INOR-249-6010	modified from EPA 600/R-93/116 & NIOSH 9002	PLM
Occupational Hygiene Analysis			
Lead	MET-93-6106	EPA SW 846 3050B & 6010C	ICP/OES

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Certificate of Analysis

Buller Crichton Environmental Inc.

1 Raymond Street Suite 102
Ottawa, ON K1R 1A2
Attn: Derek Stashick

Client PO: 20-615
Project: 20-615
Custody:

Report Date: 21-Oct-2020
Order Date: 19-Oct-2020

Order #: 2043004

This Certificate of Analysis contains analytical data applicable to the following samples as submitted :

Paracel ID	Client ID
2043004-01	SA-01 A
2043004-02	SA-01 B
2043004-03	SA-01 C
2043004-04	SA-02 A
2043004-05	SA-02 B
2043004-06	SA-02 C
2043004-07	SA-03 A
2043004-08	SA-03 B
2043004-09	SA-03 C
2043004-10	SA-04 A
2043004-11	SA-04 B
2043004-12	SA-04 C
2043004-13	SA-05 A
2043004-14	SA-05 B
2043004-15	SA-05 C
2043004-16	SA-06 A
2043004-17	SA-06 B
2043004-18	SA-06 C
2043004-19.1	SA-07 A
2043004-19.2	SA-07 A
2043004-20.1	SA-07 B
2043004-20.2	SA-07 B
2043004-21.1	SA-07 C
2043004-21.2	SA-07 C
2043004-22	SA-08 A
2043004-23	SA-08 B

Approved By:

Emma Diaz

Senior Analyst

2043004-24	SA-08 C
2043004-25	SA-09 A
2043004-26	SA-09 B
2043004-27	SA-09 C
2043004-28	SA-09 A
2043004-29	SA-09 B
2043004-30	SA-09 C
2043004-31.1	SA-10 A
2043004-31.2	SA-10 A
2043004-32.1	SA-10 B
2043004-32.2	SA-10 B
2043004-33.1	SA-10 C
2043004-33.2	SA-10 C
2043004-34	SA-11 A
2043004-35	SA-12 A
2043004-36	SA-12 B
2043004-37	SA-12 C

Certificate of Analysis

Client: Buller Crichton Environmental Inc.

Client PO: 20-615

Report Date: 21-Oct-2020

Order Date: 19-Oct-2020

Project Description: 20-615

Asbestos, PLM Visual Estimation **MDL - 0.5%**

Paracel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
2043004-01	16-Oct-20	Grey	Caulking	No	**Client ID: SA-01 A**	
					Non-Fibers	100
2043004-02	16-Oct-20	Grey	Caulking	No	**Client ID: SA-01 B**	
					Non-Fibers	100
2043004-03	16-Oct-20	Grey	Caulking	No	**Client ID: SA-01 C**	
					Non-Fibers	100
2043004-04	16-Oct-20	Grey	Mortar	No	**Client ID: SA-02 A**	
					Non-Fibers	100
2043004-05	16-Oct-20	Grey	Mortar	No	**Client ID: SA-02 B**	
					Non-Fibers	100
2043004-06	16-Oct-20	Grey	Mortar	No	**Client ID: SA-02 C**	
					Non-Fibers	100
2043004-07	16-Oct-20	Grey	Parging	No	**Client ID: SA-03 A**	
					Non-Fibers	100
2043004-08	16-Oct-20	Grey	Parging	No	**Client ID: SA-03 B**	
					Non-Fibers	100
2043004-09	16-Oct-20	Grey	Parging	No	**Client ID: SA-03 C**	
					Non-Fibers	100
2043004-10	16-Oct-20	Grey	Mortar	No	**Client ID: SA-04 A**	
					Non-Fibers	100
2043004-11	16-Oct-20	Grey	Mortar	No	**Client ID: SA-04 B**	
					Non-Fibers	100
2043004-12	16-Oct-20	Grey	Mortar	No	**Client ID: SA-04 C**	
					Non-Fibers	100

Certificate of Analysis

Client: Buller Crichton Environmental Inc.

Client PO: 20-615

Report Date: 21-Oct-2020

Order Date: 19-Oct-2020

Project Description: 20-615

Asbestos, PLM Visual Estimation **MDL - 0.5%**

Paracel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
2043004-13	16-Oct-20	Brown	Caulking	No	**Client ID: SA-05 A**	
					Non-Fibers	100
2043004-14	16-Oct-20	Brown	Caulking	No	**Client ID: SA-05 B**	
					Non-Fibers	100
2043004-15	16-Oct-20	Brown	Caulking	No	**Client ID: SA-05 C**	
					Non-Fibers	100
2043004-16	16-Oct-20	Grey	Caulking	No	**Client ID: SA-06 A**	
					Non-Fibers	100
2043004-17	16-Oct-20	Grey	Caulking	No	**Client ID: SA-06 B**	
					Non-Fibers	100
2043004-18	16-Oct-20	Grey	Caulking	No	**Client ID: SA-06 C**	
					Non-Fibers	100
2043004-19.1	16-Oct-20	Black	Caulking	No	**Client ID: SA-07 A** [Z-01a]	
					Non-Fibers	100
2043004-19.2	16-Oct-20	Black	Caulking	**Yes**	**Client ID: SA-07 A** [Z-01]	
					Chrysotile	15
					Non-Fibers	85
2043004-20.1	16-Oct-20	Black	Caulking	No	**Client ID: SA-07 B** [Z-01a]	
					Non-Fibers	100
2043004-20.2	16-Oct-20	Black	Caulking		**Client ID: SA-07 B** [Z-01]	
					not analyzed	
2043004-21.1	16-Oct-20	Black	Caulking	No	**Client ID: SA-07 C** [Z-01a]	
					Non-Fibers	100
2043004-21.2	16-Oct-20	Black	Caulking		**Client ID: SA-07 C** [Z-01]	
					not analyzed	

Certificate of Analysis

Client: Buller Crichton Environmental Inc.

Client PO: 20-615

Report Date: 21-Oct-2020

Order Date: 19-Oct-2020

Project Description: 20-615

Asbestos, PLM Visual Estimation **MDL - 0.5%**

Paracel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
2043004-22	16-Oct-20	Beige	Vinyl Floor Tile	No	**Client ID: SA-08 A**	
					Non-Fibers	100
2043004-23	16-Oct-20	Beige	Vinyl Floor Tile	No	**Client ID: SA-08 B**	
					Non-Fibers	100
2043004-24	16-Oct-20	Beige	Vinyl Floor Tile	No	**Client ID: SA-08 C**	
					Non-Fibers	100
2043004-25	16-Oct-20	Grey	Leveling Compound	No	**Client ID: SA-09 A**	
					Non-Fibers	100
2043004-26	16-Oct-20	Grey	Leveling Compound	No	**Client ID: SA-09 B**	
					Non-Fibers	100
2043004-27	16-Oct-20	Grey	Leveling Compound	No	**Client ID: SA-09 C**	
					Non-Fibers	100
2043004-28	16-Oct-20	Yellow	Mastic	No	**Client ID: SA-09 A**	
					Non-Fibers	100
2043004-29	16-Oct-20	Yellow	Mastic	No	**Client ID: SA-09 B**	
					Non-Fibers	100
2043004-30	16-Oct-20	Yellow	Mastic	No	**Client ID: SA-09 C**	
					Non-Fibers	100
2043004-31.1	16-Oct-20	Black	Caulking	No	**Client ID: SA-10 A**	
					MMVF	1
					Non-Fibers	99
2043004-31.2	16-Oct-20	Brown	Caulking	No	**Client ID: SA-10 A**	
					Non-Fibers	100

Certificate of Analysis

Client: Buller Crichton Environmental Inc.

Client PO: 20-615

Report Date: 21-Oct-2020

Order Date: 19-Oct-2020

Project Description: 20-615

Asbestos, PLM Visual Estimation **MDL - 0.5%**

Paracel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
2043004-32.1	16-Oct-20	Black	Caulking	No	**Client ID: SA-10 B**	
					MMVF	1
					Non-Fibers	99
2043004-32.2	16-Oct-20	Brown	Caulking	No	**Client ID: SA-10 B**	
					Non-Fibers	100
2043004-33.1	16-Oct-20	Black	Caulking	No	**Client ID: SA-10 C**	
					MMVF	1
					Non-Fibers	99
2043004-33.2	16-Oct-20	Brown	Caulking	No	**Client ID: SA-10 C**	
					Non-Fibers	100
2043004-34	16-Oct-20	White	Insulation	**Yes**	**Client ID: SA-11 A**	
					Chrysotile	20
					Crocidolite	5
					Non-Fibers	75
2043004-35	16-Oct-20	Black	Membrane	No	**Client ID: SA-12 A** [AS-PRE]	
					Non-Fibers	80
					Other fibers	20
2043004-36	16-Oct-20	Black	Membrane	No	**Client ID: SA-12 B** [AS-PRE]	
					Non-Fibers	80
					Other fibers	20
2043004-37	16-Oct-20	Black	Membrane	No	**Client ID: SA-12 C** [AS-PRE]	
					Non-Fibers	80
					Other fibers	20

* MMVF: Man Made Vitreous Fibers: Fiberglass, Mineral Wool, Rockwool, Glasswool

**** Analytes in bold indicate asbestos mineral content.**

Certificate of Analysis

Client: Buller Crichton Environmental Inc.

Client PO: 20-615

Report Date: 21-Oct-2020

Order Date: 19-Oct-2020

Project Description: 20-615

Analysis Summary Table

Analysis	Method Reference/Description	Lab Location	Lab Accreditation	*	Analysis Date
Asbestos, PLM Visual Estimation	by EPA 600/R-93/116	2 - Ottawa West	NVLAP 200812-0		21-Oct-20

* Reference to the NVLAP term does not permit the user of this report to claim product certification , approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

Ottawa West Lab: 25 Northside Rd, Unit C Nepean, Ontario K2H 8S1

Qualifier Notes

Sample Qualifiers :

AS-PRE: Due to the difficult nature of the bulk sample (interfering fibers/binders), additional NOB preparation was required prior to analysis

Z-01: Sample appears to be black tar.

Z-01a: Sample appears to be dark grey caulking.

Work Order Revisions | Comments

None

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Certificate of Analysis

Buller Crichton Environmental Inc.

1 Raymond Street Suite 102
Ottawa, ON K1R 1A2
Attn: Derek Stashick

Client PO: 20-615
Project: 20-615
Custody:

Report Date: 21-Oct-2020
Order Date: 19-Oct-2020

Order #: 2043034

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID
2043034-01	LS-01
2043034-02	LS-02
2043034-03	LS-03
2043034-04	LS-04
2043034-05	LS-05
2043034-06	LS-06

Approved By:

Dale Robertson, BSc
Laboratory Director

Certificate of Analysis

Report Date: 21-Oct-2020

Client: Buller Crichton Environmental Inc.

Order Date: 19-Oct-2020

Client PO: 20-615

Project Description: 20-615

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Metals, ICP-OES	based on MOE E3470, ICP-OES	20-Oct-20	20-Oct-20

Sample Data Revisions

None

Work Order Revisions/Comments:

None

Other Report Notes:

n/a: not applicable
ND: Not Detected
MDL: Method Detection Limit
Source Result: Data used as source for matrix and duplicate samples
%REC: Percent recovery.
RPD: Relative percent difference.

Certificate of Analysis

Client: Buller Crichton Environmental Inc.

Client PO: 20-615

Report Date: 21-Oct-2020

Order Date: 19-Oct-2020

Project Description: 20-615

Sample Results

Lead

Matrix: Paint

Sample Date: 16-Oct-20

Paracel ID	Client ID	Units	MDL	Result
2043034-01	LS-01	ug/g	20	<20
2043034-02	LS-02	ug/g	20	<20
2043034-03	LS-03	ug/g	20	478
2043034-04	LS-04	ug/g	20	<20
2043034-05	LS-05	ug/g	20	107
2043034-06	LS-06	ug/g	20	720

Laboratory Internal QA/QC

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Matrix Blank									
Lead	**ND**	**20**	**ug/g**						
Matrix Duplicate									
Lead	**ND**	**20**	**ug/g**	**ND**			**NC**	**30**	
Matrix Spike									
Lead	238	20.00	ug/g	ND	92.3	70-130			

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Certificate of Analysis

Buller Crichton Environmental Inc.

1 Raymond Street Suite 102
Ottawa, ON K1R 1A2
Attn: Derek Stashick

Client PO: 20-616
Project: 20-616
Custody:

Report Date: 18-Feb-2021
Order Date: 11-Feb-2021

Order #: 2107322

This Certificate of Analysis contains analytical data applicable to the following samples as submitted :

Paracel ID	Client ID
2107322-01	SA-01 A
2107322-02	SA-01 B
2107322-03	SA-01 C
2107322-04	SA-02 A
2107322-05	SA-02 B
2107322-06	SA-02 C
2107322-07	SA-03 A
2107322-08	SA-03 B
2107322-09	SA-03 C

Approved By:

Emma Diaz

Senior Analyst

Certificate of Analysis

Client: Buller Crichton Environmental Inc.

Client PO: 20-616

Report Date: 18-Feb-2021

Order Date: 11-Feb-2021

Project Description: 20-616

Asbestos, PLM Visual Estimation **MDL - 0.5%**

Paracel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
2107322-01	10-Feb-21	Red	Caulking	No	**Client ID: SA-01 A**	
					Non-Fibers	100
2107322-02	10-Feb-21	Red	Caulking	No	**Client ID: SA-01 B**	
					Non-Fibers	100
2107322-03	10-Feb-21	Red	Caulking	No	**Client ID: SA-01 C**	
					Non-Fibers	100
2107322-04	10-Feb-21	Grey	Acoustic Ceiling Tile	No	**Client ID: SA-02 A**	
					Cellulose	20
					MMVF	60
					Non-Fibers	20
2107322-05	10-Feb-21	Grey	Acoustic Ceiling Tile	No	**Client ID: SA-02 B**	
					Cellulose	20
					MMVF	60
					Non-Fibers	20
2107322-06	10-Feb-21	Grey	Acoustic Ceiling Tile	No	**Client ID: SA-02 C**	
					Cellulose	20
					MMVF	60
					Non-Fibers	20
2107322-07	10-Feb-21	Grey	Acoustic Ceiling Tile	No	**Client ID: SA-03 A**	
					Cellulose	30
					MMVF	30
					Non-Fibers	40
2107322-08	10-Feb-21	Grey	Acoustic Ceiling Tile	No	**Client ID: SA-03 B**	
					Cellulose	30
					MMVF	30
					Non-Fibers	40

PARACEL LABORATORIES LTD.

Order #: 2107322

Certificate of Analysis

Client: Buller Crichton Environmental Inc.

Client PO: 20-616

Report Date: 18-Feb-2021

Order Date: 11-Feb-2021

Project Description: 20-616

Asbestos, PLM Visual Estimation **MDL - 0.5%**

Paracel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
2107322-09	10-Feb-21	Grey	Acoustic Ceiling Tile	No	**Client ID: SA-03 C**	
					Cellulose	30
					MMVF	30
					Non-Fibers	40

* MMVF: Man Made Vitreous Fibers: Fiberglass, Mineral Wool, Rockwool, Glasswool

Analysis Summary Table

Analysis	Method Reference/Description	Lab Location	Lab Accreditation	*	Analysis Date
Asbestos, PLM Visual Estimation	AppE to SubE of 40CFR Part753 and EPA/600/R-93/116	1 - Mississauga	NVLAP 200863-0		17-Feb-21

* Reference to the NVLAP term does not permit the user of this report to claim product certification , approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

Mississauga Lab: 15 - 6800 Kitimat Rd Mississauga, Ontario, L5N 5M1

Work Order Revisions | Comments

None

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Certificate of Analysis

Buller Crichton Environmental Inc.

1 Raymond Street Suite 102
Ottawa, ON K1R 1A2
Attn: Nathan Gillis

Client PO: 20-616
Project: 20-616
Custody:

Report Date: 2-Mar-2021
Order Date: 26-Feb-2021

Order #: 2109519

This Certificate of Analysis contains analytical data applicable to the following samples as submitted :

Paracel ID	Client ID
2109519-01	AS-01A
2109519-02	AS-01B
2109519-03	AS-01C
2109519-04	AS-02A
2109519-05	AS-02B
2109519-06	AS-02C
2109519-07	AS-03A
2109519-08	AS-03B
2109519-09	AS-03C
2109519-10	AS-04A
2109519-11	AS-04B
2109519-12	AS-04C
2109519-13	AS-05A
2109519-14	AS-05B
2109519-15	AS-05C
2109519-16	AS-06A
2109519-17	AS-06B
2109519-18	AS-06C
2109519-19	AS-07A
2109519-20	AS-07B
2109519-21	AS-07C
2109519-22	AS-08A
2109519-23	AS-08B
2109519-24	AS-08C

Approved By:

Emma Diaz

Senior Analyst

Certificate of Analysis

Client: Buller Crichton Environmental Inc.

Client PO: 20-616

Report Date: 02-Mar-2021

Order Date: 26-Feb-2021

Project Description: 20-616

Asbestos, PLM Visual Estimation **MDL - 0.5%**

Paracel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
2109519-01	17-Feb-21	Black	Roof Membrane	No	**Client ID: AS-01A**	[AS-PRE]
					MMVF	5
					Non-Fibers	80
					Other fibers	15
2109519-02	17-Feb-21	Black	Roof Membrane	No	**Client ID: AS-01B**	[AS-PRE]
					MMVF	5
					Non-Fibers	80
					Other fibers	15
2109519-03	17-Feb-21	Black	Roof Membrane	No	**Client ID: AS-01C**	[AS-PRE]
					MMVF	5
					Non-Fibers	80
					Other fibers	15
2109519-04	17-Feb-21	Grey	Mastic	No	**Client ID: AS-02A**	
					Non-Fibers	100
2109519-05	17-Feb-21	Grey	Mastic	No	**Client ID: AS-02B**	
					Non-Fibers	100
2109519-06	17-Feb-21	Grey	Mastic	No	**Client ID: AS-02C**	
					Non-Fibers	100
2109519-07	17-Feb-21	Brown	Felt/Paper Membrane	No	**Client ID: AS-03A**	[AS-PRE]
					Cellulose	95
					Non-Fibers	5
2109519-08	17-Feb-21	Brown	Felt/Paper Membrane	No	**Client ID: AS-03B**	[AS-PRE]
					Cellulose	95
					Non-Fibers	5
2109519-09	17-Feb-21	Brown	Felt/Paper Membrane	No	**Client ID: AS-03C**	[AS-PRE]
					Cellulose	95
					Non-Fibers	5

Certificate of Analysis

Client: Buller Crichton Environmental Inc.

Client PO: 20-616

Report Date: 02-Mar-2021

Order Date: 26-Feb-2021

Project Description: 20-616

Asbestos, PLM Visual Estimation **MDL - 0.5%**

Paracel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
2109519-10	17-Feb-21	Grey	Caulking	No	**Client ID: AS-04A**	
					Non-Fibers	100
2109519-11	17-Feb-21	Grey	Caulking	No	**Client ID: AS-04B**	
					Non-Fibers	100
2109519-12	17-Feb-21	Grey	Caulking	No	**Client ID: AS-04C**	
					Non-Fibers	100
2109519-13	17-Feb-21	Black	Tar	**Yes**	**Client ID: AS-05A**	[AS-PRE]
					Chrysotile	3.59
					Non-Fibers	96.41
2109519-14	17-Feb-21	Black	Tar		**Client ID: AS-05B**	
					not analyzed, positive stop	
2109519-15	17-Feb-21	Black	Tar		**Client ID: AS-05C**	
					not analyzed, positive stop	
2109519-16	17-Feb-21	White	Caulking	No	**Client ID: AS-06A**	
					Non-Fibers	100
2109519-17	17-Feb-21	White	Caulking	No	**Client ID: AS-06B**	
					Non-Fibers	100
2109519-18	17-Feb-21	White	Caulking	No	**Client ID: AS-06C**	
					Non-Fibers	100
2109519-19	17-Feb-21	Brown	Caulking	No	**Client ID: AS-07A**	
					MMVF	5
					Non-Fibers	95
2109519-20	17-Feb-21	Brown	Caulking	No	**Client ID: AS-07B**	
					MMVF	5
					Non-Fibers	95

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Order #: 2109519

Certificate of Analysis

Client: Buller Crichton Environmental Inc.

Client PO: 20-616

Report Date: 02-Mar-2021

Order Date: 26-Feb-2021

Project Description: 20-616

Asbestos, PLM Visual Estimation **MDL - 0.5%**

Paracel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
2109519-21	17-Feb-21	Brown	Caulking	No	**Client ID: AS-07C**	
					MMVF	5
					Non-Fibers	95
2109519-22	17-Feb-21	Black	Roof Membrane	No	**Client ID: AS-08A** [AS-PRE]	
					MMVF	5
					Non-Fibers	80
					Other fibers	15
2109519-23	17-Feb-21	Black	Roof Membrane	No	**Client ID: AS-08B** [AS-PRE]	
					MMVF	5
					Non-Fibers	80
					Other fibers	15
2109519-24	17-Feb-21	Black	Roof Membrane	No	**Client ID: AS-08C** [AS-PRE]	
					MMVF	5
					Non-Fibers	80
					Other fibers	15

* MMVF: Man Made Vitreous Fibers: Fiberglass, Mineral Wool, Rockwool, Glasswool

**** Analytes in bold indicate asbestos mineral content.**

Analysis Summary Table

Analysis	Method Reference/Description	Lab Location	Lab Accreditation *	Analysis Date
Asbestos, PLM Visual Estimation	AppE to SubE of 40CFR Part753 and EPA/600/R-93/116	2 - Ottawa West	NVLAP 200812-0	1-Mar-21

* Reference to the NVLAP term does not permit the user of this report to claim product certification , approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

Ottawa West Lab: 25 Northside Rd, Unit C Nepean, Ontario K2H 8S1

Certificate of Analysis

Client: Buller Crichton Environmental Inc.

Client PO: 20-616

Report Date: 02-Mar-2021

Order Date: 26-Feb-2021

Project Description: 20-616

Qualifier Notes

Sample Qualifiers :

AS-PRE: Due to the difficult nature of the bulk sample (interfering fibers/binders), additional NOB preparation was required prior to analysis

Work Order Revisions | Comments

None

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Certificate of Analysis

Buller Crichton Environmental Inc.

1 Raymond Street Suite 102
Ottawa, ON K1R 1A2
Attn: Nathan Gillis

Client PO: 2-616
Project: 20-616
Custody: 129058

Report Date: 1-Mar-2021
Order Date: 26-Feb-2021

Order #: 2109537

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID
2109537-01	LP-01- BROWN ON AHU

Approved By: Mark Foto

Mark Foto, M.Sc.
Lab Supervisor

Certificate of Analysis

Report Date: 01-Mar-2021

Client: Buller Crichton Environmental Inc.

Order Date: 26-Feb-2021

Client PO: 2-616

Project Description: 20-616

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Metals, ICP-OES	based on MOE E3470, ICP-OES	1-Mar-21	1-Mar-21

Sample Data Revisions

None

Work Order Revisions/Comments:

None

Other Report Notes:

n/a: not applicable
ND: Not Detected
MDL: Method Detection Limit
Source Result: Data used as source for matrix and duplicate samples
%REC: Percent recovery.
RPD: Relative percent difference.

Certificate of Analysis

Client: Buller Crichton Environmental Inc.

Client PO: 2-616

Report Date: 01-Mar-2021

Order Date: 26-Feb-2021

Project Description: 20-616

Sample Results

Lead

Matrix: Paint

Sample Date: 17-Feb-21

Paracel ID	Client ID	Units	MDL	Result
2109537-01	LP-01- BROWN ON AHU	ug/g	20	163

Laboratory Internal QA/QC

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Matrix Blank									
Lead	**ND**	**20**	**ug/g**						
Matrix Duplicate									
Lead	**ND**	**20**	**ug/g**	**ND**			**NC**	**30**	
Matrix Spike									
Lead	257	20.00	ug/g	ND	99.0	70-130			

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Certificate of Analysis

Buller Crichton Environmental Inc.

1 Raymond Street Suite 102
Ottawa, ON K1R 1A2
Attn: Derek Stashick

Client PO: 21-170
Project: 21-170
Custody:

Report Date: 10-Mar-2021
Order Date: 4-Mar-2021

Order #: 2110514

This Certificate of Analysis contains analytical data applicable to the following samples as submitted :

Paracel ID	Client ID
2110514-01	SA-01 A
2110514-02	SA-01 B
2110514-03	SA-01 C
2110514-04	SA-01 A
2110514-05	SA-01 B
2110514-06	SA-01 C
2110514-07	SA-02 A
2110514-08	SA-02 B
2110514-09	SA-02 C
2110514-10	SA-03 A
2110514-11	SA-03 B
2110514-12	SA-03 C

Approved By:

Emma Diaz

Senior Analyst

PARACEL LABORATORIES LTD.

Order #: 2110514

Certificate of Analysis

Client: Buller Crichton Environmental Inc.

Client PO: 21-170

Report Date: 10-Mar-2021

Order Date: 4-Mar-2021

Project Description: 21-170

Asbestos, PLM Visual Estimation **MDL - 0.5%**

Paracel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
2110514-01	04-Mar-21	White	Plaster	No	**Client ID: SA-01 A**	
					Non-Fibers	100
2110514-02	04-Mar-21	White	Plaster	No	**Client ID: SA-01 B**	
					Non-Fibers	100
2110514-03	04-Mar-21	White	Plaster	No	**Client ID: SA-01 C**	
					Non-Fibers	100
2110514-04	04-Mar-21	Grey	Plaster	No	**Client ID: SA-01 A**	
					Non-Fibers	99
					Other fibers	1
2110514-05	04-Mar-21	Grey	Plaster	No	**Client ID: SA-01 B**	
					Non-Fibers	99
					Other fibers	1
2110514-06	04-Mar-21	Grey	Plaster	No	**Client ID: SA-01 C**	
					Non-Fibers	99
					Other fibers	1
2110514-07	04-Mar-21	White	Plaster	No	**Client ID: SA-02 A**	
					Non-Fibers	100
2110514-08	04-Mar-21	White	Plaster	**Yes**	**Client ID: SA-02 B**	
					Chrysotile	1
					Non-Fibers	99
2110514-09	04-Mar-21	White	Plaster	No	**Client ID: SA-02 C**	
					Non-Fibers	100
2110514-10	04-Mar-21	Black	Filter	No	**Client ID: SA-03 A**	[AS-PRE]
					Non-Fibers	100

PARACEL LABORATORIES LTD.

Order #: 2110514

Certificate of Analysis

Client: Buller Crichton Environmental Inc.

Client PO: 21-170

Report Date: 10-Mar-2021

Order Date: 4-Mar-2021

Project Description: 21-170

Asbestos, PLM Visual Estimation **MDL - 0.5%**

Paracel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
2110514-11	04-Mar-21	Black	Filter	No	**Client ID: SA-03 B** [AS-PRE]	
					Non-Fibers	100
2110514-12	04-Mar-21	Black	Filter	No	**Client ID: SA-03 C** [AS-PRE]	
					Non-Fibers	100

**** Analytes in bold indicate asbestos mineral content.**

Analysis Summary Table

Analysis	Method Reference/Description	Lab Location	Lab Accreditation	*	Analysis Date
Asbestos, PLM Visual Estimation	AppE to SubE of 40CFR Part753 and EPA/600/R-93/116	2 - Ottawa West	NVLAP 200812-0		10-Mar-21

* Reference to the NVLAP term does not permit the user of this report to claim product certification , approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

Ottawa West Lab: 25 Northside Rd, Unit C Nepean, Ontario K2H 8S1

Qualifier Notes

Sample Qualifiers :

AS-PRE: Due to the difficult nature of the bulk sample (interfering fibers/binders), additional NOB preparation was required prior to analysis

Work Order Revisions | Comments

None

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Chain of Custody
(Lab Use Only)

Page 1 of 1

Client Name: Buller Crichton Environmental Inc.	Project Reference: 21-170
Contact Name: Derek	Quote #: 21-042
Address: 102 - 1 Raymond, Ottawa, ON K1R 1A2	PO #:
Telephone: 613-552 2400	Email Address: derek@bullercrichton.ca

Turnaround Time:

- ☐ Immediate
- ☐ 1 Day
- ☐ 4 Hour
- ☒ 2 Day
- ☐ 8 Hour
- ☐ 3 Day
- ☑ Regular

Date Required:

ASBESTOS & MOLD ANALYSIS

Matrix: ☐ Air ☑ Bulk ☐ Tape Lift ☐ Swab ☐ Other **Regulatory Guideline:** ☑ ON ☐ QC ☐ AB ☐ SK ☐ Other:

Analysis: ☐ Microscopic Mold ☐ Culturable Mold ☐ Bacteria GRAM ☐ PCM Asbestos ☑ PLM Asbestos ☐ Chatfield Asbestos ☐ TEM Asbestos

Paracel Order Number: 2110514

	Sample ID	Sampling Date	Air Volume (L)	Analysis Required	Asbestos - Bulk: Identify Distinct Building Materials to Be Analyzed * see below	Combine Identified Materials? **see below	Positive Stop?
1	SA-01 (A-C)	Mar 4		PLM	Plaster - White & Grey	☐	☐
2	SA-02 (A-C)	↓		↓	Plaster - White	☐	☐
3	SA-03 (A-C)	↓		↓	Filter	☐	☐
4						☐	☐
5						☐	☐
6						☐	☐
7						☐	☐
8						☐	☐
9						☐	☐
10						☐	☐
11						☐	☐
12						☐	☐

* If left blank, Paracel will analyze all materials identified during analysis ** If left blank, Paracel will analyze all materials as individual samples (**at additional cost**) per EPA 600/R -93/116

Comments:

Method of Delivery: DropBox

Relinquished By (Sign):	Received at Depot:	Received at Lab:	Verified By:
Relinquished By (Print): Derek Stashick			
Date/Time: March 4 3:45pm	Date/Time:	Date/Time: 03/04/2021 4:05pm	Date/Time: Mar 5/21 8:54

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EMSL Canada Order 672400861
Customer ID: 55BCRE42
Customer PO:
Project ID:

Attn: Akshat Porwal
Buller Crichton Environmental Inc.
1 Raymond St., Suite 102
Ottawa, ON K1R 1A2

Phone: (613) 729-5291
Fax:
Collected:
Received: 4/03/2024
Analyzed: 4/10/2024

Proj: 24-448

Summary Test Report for Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05

Client Sample ID: AS-01A-Tar **Lab Sample ID:** **672400861-0001**
Sample Description: On Metal Deck/Drywall Layer

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Black	0.0%	100.0%	None Detected	

Client Sample ID: AS-01A-Drywall **Lab Sample ID:** **672400861-0001A**
Sample Description: On Metal Deck/Drywall Layer

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Brown	8.0%	92.0%	None Detected	

Client Sample ID: AS-01B **Lab Sample ID:** **672400861-0002**
Sample Description: On Metal Deck/Drywall Layer

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Brown	8.0%	92.0%	None Detected	

Client Sample ID: AS-01C **Lab Sample ID:** **672400861-0003**
Sample Description: On Metal Deck/Drywall Layer

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Brown	5.0%	95.0%	None Detected	

Client Sample ID: AS-02A-Membrane Tar 1 **Lab Sample ID:** **672400861-0004**
Sample Description: Above Drywall Layer/4PLY Roof Membrane & Flood Coat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Black	0.0%	100.0%	None Detected	

Client Sample ID: AS-02A-Fibrous Layer 1 **Lab Sample ID:** **672400861-0004A**
Sample Description: Above Drywall Layer/4PLY Roof Membrane & Flood Coat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Black	20.0%	80.0%	None Detected	

Client Sample ID: AS-02A Membrane Tar 2 **Lab Sample ID:** **672400861-0004B**
Sample Description: Above Drywall Layer/4PLY Roof Membrane & Flood Coat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Black	0.0%	100.0%	None Detected	

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EMSL Canada Order 672400861
Customer ID: 55BCRE42
Customer PO:
Project ID:

Summary Test Report for Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05

Client Sample ID: AS-02A- Fibrous Layer 2 ***Lab Sample ID:*** **672400861-0004C**
Sample Description: Above Drywall Layer/4PLY Roof Membrane & Flood Coat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Black	20.0%	80.0%	None Detected	

Client Sample ID: AS-02A Flood Coat ***Lab Sample ID:*** **672400861-0004D**
Sample Description: Above Drywall Layer/4PLY Roof Membrane & Flood Coat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Black	30.0%	70.0%	None Detected	

Client Sample ID: AS-02B-Membrane Tar 1 ***Lab Sample ID:*** **672400861-0005**
Sample Description: Above Drywall Layer/4PLY Roof Membrane & Flood Coat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Black	0.0%	100.0%	None Detected	

Client Sample ID: AS-02B-Fibrous Layer 1 ***Lab Sample ID:*** **672400861-0005A**
Sample Description: Above Drywall Layer/4PLY Roof Membrane & Flood Coat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Black	20.0%	80.0%	None Detected	

Client Sample ID: AS-02B-Membrane Tar 2 ***Lab Sample ID:*** **672400861-0005B**
Sample Description: Above Drywall Layer/4PLY Roof Membrane & Flood Coat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Black	0.0%	100.0%	None Detected	

Client Sample ID: AS-02B-Fibrous Layer 2 ***Lab Sample ID:*** **672400861-0005C**
Sample Description: Above Drywall Layer/4PLY Roof Membrane & Flood Coat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Black	20.0%	80.0%	None Detected	

Client Sample ID: AS-02B-Flood Coat ***Lab Sample ID:*** **672400861-0005D**
Sample Description: Above Drywall Layer/4PLY Roof Membrane & Flood Coat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Black	15.0%	85.0%	None Detected	

Client Sample ID: AS-02C-Membrane Tar 1 ***Lab Sample ID:*** **672400861-0006**
Sample Description: Above Drywall Layer/4PLY Roof Membrane & Flood Coat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Black	0.0%	100.0%	None Detected	

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EMSL Canada Order 672400861
Customer ID: 55BCRE42
Customer PO:
Project ID:

Summary Test Report for Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05

Client Sample ID: AS-02C-Fibrous Layer 1 ***Lab Sample ID:*** **672400861-0006A**
Sample Description: Above Drywall Layer/4PLY Roof Membrane & Flood Coat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Black	15.0%	85.0%	None Detected	

Client Sample ID: AS-02C-Membrane Tar 2 ***Lab Sample ID:*** **672400861-0006B**
Sample Description: Above Drywall Layer/4PLY Roof Membrane & Flood Coat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Black	0.0%	100.0%	None Detected	

Client Sample ID: AS-02C-Fibrous Layer 2 ***Lab Sample ID:*** **672400861-0006C**
Sample Description: Above Drywall Layer/4PLY Roof Membrane & Flood Coat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Black	15.0%	85.0%	None Detected	

Client Sample ID: AS-02C-Flood Coat ***Lab Sample ID:*** **672400861-0006D**
Sample Description: Above Drywall Layer/4PLY Roof Membrane & Flood Coat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Black	25.0%	75.0%	None Detected	

Client Sample ID: AS-03A ***Lab Sample ID:*** **672400861-0007**
Sample Description: Above Roof Membrane/Insulation

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Blue	0.0%	100.0%	None Detected	

Client Sample ID: AS-03B ***Lab Sample ID:*** **672400861-0008**
Sample Description: Above Roof Membrane/Insulation

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Blue	0.0%	100.0%	None Detected	

Client Sample ID: AS-03C ***Lab Sample ID:*** **672400861-0009**
Sample Description: Above Roof Membrane/Insulation

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Blue	0.0%	100.0%	None Detected	

Client Sample ID: AS-04A ***Lab Sample ID:*** **672400861-0010**
Sample Description: Around Vent Grills and Roof Flashing/Old White Caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Gray	0.0%	96.0%	**4% Chrysotile**	

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EMSL Canada Order 672400861
Customer ID: 55BCRE42
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Project ID:

Summary Test Report for Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05

Client Sample ID: AS-04B ***Lab Sample ID:*** **672400861-0011**

Sample Description: Around Vent Grills and Roof Flashing/Old White Caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/10/2024				Positive Stop (Not Analyzed)	

Client Sample ID: AS-04C ***Lab Sample ID:*** **672400861-0012**

Sample Description: Around Vent Grills and Roof Flashing/Old White Caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/10/2024				Positive Stop (Not Analyzed)	

Client Sample ID: AS-05A ***Lab Sample ID:*** **672400861-0013**

Sample Description: Between Stone Blocks Near Roof Edge/New Light Grey Caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Gray	0.0%	100.0%	None Detected	

Client Sample ID: AS-05B ***Lab Sample ID:*** **672400861-0014**

Sample Description: Between Stone Blocks Near Roof Edge/New Light Grey Caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Gray	0.0%	100.0%	None Detected	

Client Sample ID: AS-05C ***Lab Sample ID:*** **672400861-0015**

Sample Description: Between Stone Blocks Near Roof Edge/New Light Grey Caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Gray	0.0%	100.0%	None Detected	

Client Sample ID: AS-06A ***Lab Sample ID:*** **672400861-0016**

Sample Description: Around Roof Flashing/Old Light Grey Caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Gray	0.0%	100.0%	None Detected	

Client Sample ID: AS-06B ***Lab Sample ID:*** **672400861-0017**

Sample Description: Around Roof Flashing/Old Light Grey Caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Gray	0.0%	100.0%	None Detected	

Client Sample ID: AS-06C ***Lab Sample ID:*** **672400861-0018**

Sample Description: Around Roof Flashing/Old Light Grey Caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Gray	0.0%	100.0%	None Detected	

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EMSL Canada Order 672400861
Customer ID: 55BCRE42
Customer PO:
Project ID:

Summary Test Report for Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05

Client Sample ID: AS-07A ***Lab Sample ID:*** **672400861-0019**
Sample Description: Around Vent Grills and Roof Flashing/Dark Grey Caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Gray	0.0%	97.0%	**3% Chrysotile**	

Client Sample ID: AS-07B ***Lab Sample ID:*** **672400861-0020**
Sample Description: Around Vent Grills and Roof Flashing/Dark Grey Caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/10/2024				Positive Stop (Not Analyzed)	

Client Sample ID: AS-07C ***Lab Sample ID:*** **672400861-0021**
Sample Description: Around Vent Grills and Roof Flashing/Dark Grey Caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/10/2024				Positive Stop (Not Analyzed)	

Client Sample ID: AS-08A ***Lab Sample ID:*** **672400861-0022**
Sample Description: Roof Edge/Stone Block Mortar

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Gray	0.0%	100.0%	None Detected	

Client Sample ID: AS-08B-Layer 1 ***Lab Sample ID:*** **672400861-0023**
Sample Description: Roof Edge/Stone Block Mortar

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Gray	0.0%	100.0%	None Detected	

Client Sample ID: AS-08B-Layer 2 ***Lab Sample ID:*** **672400861-0023A**
Sample Description: Roof Edge/Stone Block Mortar

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Gray	0.0%	100.0%	None Detected	

Client Sample ID: AS-08C-Layer 1 ***Lab Sample ID:*** **672400861-0024**
Sample Description: Roof Edge/Stone Block Mortar

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Gray	0.0%	100.0%	None Detected	

Client Sample ID: AS-08C-Layer 2 ***Lab Sample ID:*** **672400861-0024A**
Sample Description: Roof Edge/Stone Block Mortar

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/10/2024	Gray	0.0%	100.0%	None Detected	

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Phone/Fax: (343) 882-6076 / (343) 882-6077
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EMSL Canada Order 672400861
Customer ID: 55BCRE42
Customer PO:
Project ID:

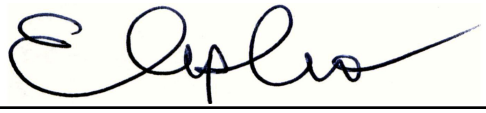
Summary Test Report for Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05

PLM: Sample layer typos fixed

Analyst(s):

Cam Lin Murphy-Andrews	PLM (11)
Ewa Krupinska	PLM (24)

Reviewed and approved by:



Ewa Krupinska, Laboratory Manager
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. Ottawa, ON NVLAP Lab Code 201040-0

Report amended: 04/10/202416:35:57 Replaces initial report from: 04/10/202416:35:57 Reason Code: DataEntry-Other (see report comment)

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Certificate of Analysis

McIntosh Perry Consulting Eng. (Carp)

115 Walgreen Rd.
Carp, ON K0A 1L0
Attn: John Tufts

Client PO: Tabaret
Project: PCX-20-2029
Custody: 39990

Report Date: 16-Dec-2019
Order Date: 13-Dec-2019

Order #: 1950622

This Certificate of Analysis contains analytical data applicable to the following samples as submitted :

Paracel ID	Client ID
1950622-01.1	Ceiling Plaster A
1950622-01.2	Ceiling Plaster A
1950622-02.1	Ceiling Plaster B
1950622-02.2	Ceiling Plaster B
1950622-03.1	Ceiling Plaster C
1950622-03.2	Ceiling Plaster C
1950622-04	Dust Sample

Approved By:

Heather S.H. McGregor, BSc
Laboratory Director - Microbiology

PARACEL LABORATORIES LTD.

Order #: 1950622

Certificate of Analysis

Report Date: 16-Dec-2019

Client: McIntosh Perry Consulting Eng. (Carp)

Order Date: 13-Dec-2019

Client PO: Tabaret

Project Description: PCX-20-2029

Asbestos, PLM Visual Estimation **MDL - 0.5%**

Paracel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1950622-01.1	13-Dec-19	White	Plaster	**Yes**	**Client ID: Ceiling Plaster A** [Z-01a]	
					Chrysotile	1
					Non-Fibers	99
1950622-01.2	13-Dec-19	Grey	Plaster	No	**Client ID: Ceiling Plaster A**	
					Non-Fibers	99
					Other fibers	1
1950622-02.1	13-Dec-19				**Client ID: Ceiling Plaster B** [Z-01a]	
					not analyzed	
1950622-02.2	13-Dec-19	Grey	Plaster	No	**Client ID: Ceiling Plaster B**	
					Non-Fibers	99
					Other fibers	1
1950622-03.1	13-Dec-19				**Client ID: Ceiling Plaster C** [Z-01a]	
					not analyzed	
1950622-03.2	13-Dec-19	Grey	Plaster	No	**Client ID: Ceiling Plaster C**	
					Non-Fibers	99
					Other fibers	1
1950622-04	13-Dec-19	White/Grey/ Beige	Dust	**Yes**	**Client ID: Dust Sample** [AS-PRE, Z-01]	
					Chrysotile	<MDL
					Cellulose	ND
					MMVF	ND
					Non-Fibers	ND
					Other fibers	ND

* MMVF: Man Made Vitreous Fibers: Fiberglass, Mineral Wool, Rockwool, Glasswool

**** Analytes in bold indicate asbestos mineral content.**

PARACEL LABORATORIES LTD.

Order #: 1950622

Certificate of Analysis

Report Date: 16-Dec-2019

Client: McIntosh Perry Consulting Eng. (Carp)

Order Date: 13-Dec-2019

Client PO: Tabaret

Project Description: PCX-20-2029

Analysis Summary Table

Analysis	Method Reference/Description	Lab Location	NVLAP Lab Code *	Analysis Date
Asbestos, PLM Visual Estimation	by EPA 600/R-93/116	2 - Ottawa West Lab	200812-0	16-Dec-19

* Reference to the NVLAP term does not permit the user of this report to claim product certification , approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

Ottawa West Lab: 25 Northside Rd, Unit C Nepean, Ontario K2H 8S1

Qualifier Notes

Sample Qualifiers :

AS-PRE: Due to the difficult nature of the bulk sample (interfering fibers/binders), additional NOB preparation was required prior to analysis

Z-01: Sample matrix precludes quantitative results.

Z-01a: Strongly recommend analysis of beige drywall joint compound.

Work Order Revisions | Comments

None

PARACEL LABORATORIES LTD.

1950622

fice
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Ontario K1G 4J8
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@paracellabs.com

Chain of Custody
(Lab Use Only)
Nº 39990

Page 1 of 1

Client Name: McIntosh Perry	Project Reference: PCX-20-2029 (Tabaret)
Contact Name: John Tufts	Quote #:
Address: 115 Walgreen Road, Carp ON	PO #:
	Email Address: J.tufts@mcintoshperry.com
Telephone: 613-203-9400	

Turnaround Time:
- ☐ Immediate
- ☐ 4 Hour
- ☐ 8 Hour
- ☒ 1 Day
- ☐ 2 Day
- ☐ 3 Day
- ☐ Regular

Date Required: _____

ASBESTOS & MOLD ANALYSIS

Matrix: ☐ Air ☒ Bulk ☐ Tape Lift ☐ Swab ☐ Other **Regulatory Guideline:** ☒ ON ☐ QC ☐ AB ☐ SK ☐ Other:

Analyses: ☐ Microscopic Mold ☐ Culturable Mold ☐ Bacteria GRAM ☐ PCM Asbestos ☑ PLM Asbestos ☐ Chatfield Asbestos ☐ TEM Asbestos

Paracel Order Number: 1950622

	Sample ID	Sampling Date	Air Volume (L)	Analysis Required	Asbestos - Bulk: Identify Distinct Building Materials to Be Analyzed (if not specified, all materials identified will be analyzed) *	Positive Stop?
1	Ceiling Plaster.	13-Dec-19			Plaster.	☒
2	Dust Sample.	13-Dec-19			Dust.	☐
3						☐
4						☐
5						☐
6						☐
7						☐
8						☐
9						☐
10						☐
11						☐
12						☐

* If left blank, all distinct materials identified in the samples will be analyzed and reported separately as per EPA 600/R-93/116. Additional charges will apply.

Comments: Lead in paint. Plaster samples. - 2 day TAT.

Method of Delivery: Walk in

Relinquished By (Sign):	Received at Depot:	Received at Lab:	Verified By:
Relinquished By (Print): Justin Cameron			
Date/Time: 13-Dec-19 3:05	Date/Time:	Date/Time: 12/13/19 3:15 pm	Date/Time: 12/13/19 4:01 pm

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Certificate of Analysis

McIntosh Perry Consulting Eng. (Carp)

115 Walgreen Rd.
Carp, ON K0A 1L0
Attn: John Tufts

Client PO: U of O Tabaret
Project: 0Z2-021026-HA
Custody: 42018

Report Date: 6-Jan-2020
Order Date: 3-Jan-2020

Order #: 2001076

This Certificate of Analysis contains analytical data applicable to the following samples as submitted :

Paracel ID	Client ID
2001076-01.1	SA-01 A
2001076-01.2	SA-01 A
2001076-02.1	SA-01 B
2001076-02.2	SA-01 B
2001076-03.1	SA-01 C
2001076-03.2	SA-01 C

Approved By:

Heather S.H. McGregor, BSc

Laboratory Director - Microbiology

PARACEL LABORATORIES LTD.

Order #: 2001076

Certificate of Analysis

Report Date: 06-Jan-2020

Client: McIntosh Perry Consulting Eng. (Carp)

Order Date: 3-Jan-2020

Client PO: U of O Tabaret

Project Description: 0Z2-021026-HA

Asbestos, PLM Visual Estimation **MDL - 0.5%**

Paracel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
2001076-01.1	03-Jan-20	White	Plaster	No	**Client ID: SA-01 A**	
					Non-Fibers	100
2001076-01.2	03-Jan-20	Grey	Plaster	No	**Client ID: SA-01 A**	
					Non-Fibers	99
					Other fibers	1
2001076-02.1	03-Jan-20	White	Plaster	No	**Client ID: SA-01 B**	
					Non-Fibers	100
2001076-02.2	03-Jan-20	Grey	Plaster	No	**Client ID: SA-01 B**	
					Non-Fibers	99
					Other fibers	1
2001076-03.1	03-Jan-20	White	Plaster	No	**Client ID: SA-01 C**	
					Non-Fibers	100
2001076-03.2	03-Jan-20	Grey	Plaster	No	**Client ID: SA-01 C**	
					Non-Fibers	99
					Other fibers	1

Analysis Summary Table

Analysis	Method Reference/Description	Lab Location	NVLAP Lab Code *	Analysis Date
Asbestos, PLM Visual Estimation	by EPA 600/R-93/116	2 - Ottawa West Lab	200812-0	6-Jan-20

* Reference to the NVLAP term does not permit the user of this report to claim product certification , approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

Ottawa West Lab: 25 Northside Rd, Unit C Nepean, Ontario K2H 8S1

Work Order Revisions | Comments

None

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2001076

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racel@paracellabs.com

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Nº 42018

Page 1 of 1

Client Name: McIntosh Perry	Project Reference: UofO Tabaret
Contact Name: John Tuttle	Quote #: 19-[illegible]657
Address: 115 Walgreen, Corp	PO #: 022-021026-HZ
Telephone: 613 203 9400	Email Address: j.tuttle@mcintoshperry.com

Turnaround Time:
- ☐ Immediate
- ☐ 4 Hour
- ☐ 8 Hour
- ☐ 1 Day
- ☐ 2 Day
- ☒ 3 Day
- ☐ Regular

Date Required: _____

ASBESTOS & MOLD ANALYSIS

Matrix: ☐ Air ☒ Bulk ☐ Tape Lift ☐ Swab ☐ Other **Regulatory Guideline:** ☒ ON ☐ QC ☐ AB ☐ SK ☐ Other:

Analyses: ☐ Microscopic Mold ☐ Culturable Mold ☐ Bacteria GRAM ☐ PCM Asbestos ☐ PLM Asbestos ☐ Chatfield Asbestos ☐ TEM Asbestos

Paracel Order Number: 2001076

	Sample ID	Sampling Date	Air Volume (L)	Analysis Required	Asbestos - Bulk: Identify Distinct Building Materials to Be Analyzed (if not specified, all materials identified will be analyzed) *	Positive Stop?
1	SA-01 A	Jan. 3		PLM	Plaster Stairwell DO	☒
2	" B	↓		↓	↓ ↓ ↓	☒
3	" C	↓		↓		☒
4						☐
5						☐
6						☐
7						☐
8						☐
9						☐
10						☐
11						☐
12						☐

* If left blank, all distinct materials identified in the samples will be analyzed and reported separately as per EPA 600/R-93/116. Additional charges will apply.

Comments:

Method of Delivery: walk-in

Relinquished By (Sign):	Received at Depot:	Received at Lab:	Verified By:
Relinquished By (Print): J. Tuttle			
Date/Time: Jan 3/20 10:30	Date/Time:	Date/Time: Jan 3/20 10:35	Date/Time: Jan 3/20 10:01

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Certificate of Analysis

CM3 Environmental Inc.

5710 Akins Road
Ottawa, ON K2S 1B8
Attn: Paul Park

Client PO:
Project: RMTLW2479
Custody:

Report Date: 11-Sep-2019
Order Date: 9-Sep-2019

Order #: 1937066

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID
1937066-01	C-WPL-01A: Layered Plaster
1937066-02	C-WPL-01B: Layered Plaster
1937066-03	C-WPL-01C: Layered Plaster
1937066-04	C-WPL-01A: Layered Plaster
1937066-05	C-WPL-01B: Layered Plaster
1937066-06	C-WPL-01C: Layered Plaster
1937066-07	L-DJC-01A: Drywall Joint Compound
1937066-08	L-DJC-01B: Drywall Joint Compound
1937066-09	L-DJC-01C: Drywall Joint Compound

Approved By:

Emma Diaz

Senior Analyst

PARACEL LABORATORIES LTD.

Order #: 1937066

Certificate of Analysis

Client: CM3 Environmental Inc.

Client PO:

Report Date: 11-Sep-2019

Order Date: 9-Sep-2019

Project Description: RMTLW2479

Asbestos, PLM Visual Estimation **MDL - 0.5%**

Paracel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1937066-01	09-Sep-19	White	Skim	No	**Client ID: C-WPL-01A: Layered Plaster**	
					Non-Fibers	100
1937066-02	09-Sep-19	White	Skim Coat	No	**Client ID: C-WPL-01B: Layered Plaster**	
					Non-Fibers	100
1937066-03	09-Sep-19	White	Skim Coat	No	**Client ID: C-WPL-01C: Layered Plaster**	
					Non-Fibers	100
1937066-04	09-Sep-19	Grey	Base Coat	No	**Client ID: C-WPL-01A: Layered Plaster**	
					Non-Fibers	99
					Other fibers	1
1937066-05	09-Sep-19	Grey	Base Coat	No	**Client ID: C-WPL-01B: Layered Plaster**	
					Non-Fibers	99
					Other fibers	1
1937066-06	09-Sep-19	Grey	Base Coat	No	**Client ID: C-WPL-01C: Layered Plaster**	
					Non-Fibers	99
					Other fibers	1
1937066-07	09-Sep-19	Grey	Joint Compound	**Yes**	**Client ID: L-DJC-01A: Drywall Joint Compound**	
					Chrysotile	1
					Non-Fibers	99
1937066-08	09-Sep-19				**Client ID: L-DJC-01B: Drywall Joint Compound**	
					not analyzed	
1937066-09	09-Sep-19				**Client ID: L-DJC-01C: Drywall Joint Compound**	
					not analyzed	

** Analytes in bold indicate asbestos mineral content.

PARACEL LABORATORIES LTD.

Order #: 1937066

Certificate of Analysis

Client: CM3 Environmental Inc.

Client PO:

Report Date: 11-Sep-2019

Order Date: 9-Sep-2019

Project Description: RMTLW2479

Analysis Summary Table

Analysis	Method Reference/Description	Lab Location	NVLAP Lab Code *	Analysis Date
Asbestos, PLM Visual Estimation	by EPA 600/R-93/116	2 - Ottawa West Lab	200812-0	9-Sep-19

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Ottawa West Lab: 25 Northside Rd, Unit C Nepean, Ontario K2H 8S1

Work Order Revisions | Comments

None

EMSL Canada Inc.

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http://www.EMSL.com / ottawalab@EMSL.com

EMSL Canada Order 671900169
Customer ID: 55CMTE42
Customer PO:
Project ID:

Attn: Joel Marcellus
CM3 Environmental Inc.
5710 Akins Rd
Stittsville, ON K2S 1B8

Phone: (613) 820-4343
Fax:
Collected: 1/28/2019
Received: 1/29/2019
Analyzed: 1/31/2019

Proj: TLW2302 - TBT - C Wing 3rd Floor

Test Report: Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05 via EPA600/R-93/116 Method

Client Sample ID: DJC-01A **Lab Sample ID:** **671900169-0001**
Sample Description: 302/Drywall Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/30/2019	Beige	0.0%	100.0%	None Detected	

Client Sample ID: DJC-01B **Lab Sample ID:** **671900169-0002**
Sample Description: 302/Drywall Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/30/2019	White	0.0%	100.0%	None Detected	

Client Sample ID: DJC-01C **Lab Sample ID:** **671900169-0003**
Sample Description: 304A/Drywall Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/30/2019	White	0.0%	100.0%	None Detected	

Client Sample ID: DJC-01D **Lab Sample ID:** **671900169-0004**
Sample Description: 304/Drywall Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/30/2019	White	0.0%	100.0%	None Detected	

Client Sample ID: DJC-01E **Lab Sample ID:** **671900169-0005**
Sample Description: 364A/Drywall Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	White	0.0%	100.0%	None Detected	

Client Sample ID: PLA-01A-Skim Coat **Lab Sample ID:** **671900169-0006**
Sample Description: 302/Plaster

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/30/2019	White	0.0%	100.0%	None Detected	

Client Sample ID: PLA-01A-Base Coat **Lab Sample ID:** **671900169-0006A**
Sample Description: 302/Plaster

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/30/2019				Insufficient Material	

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EMSL Canada Order 671900169
Customer ID: 55CMTE42
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05 via EPA600/R-93/116 Method

Client Sample ID: PLA-01B-Skim Coat ***Lab Sample ID:*** **671900169-0007**
Sample Description: 302/Plaster

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/30/2019	White	0.0%	100.0%	None Detected	

Client Sample ID: PLA-01B-Base Coat ***Lab Sample ID:*** **671900169-0007A**
Sample Description: 302/Plaster

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/30/2019	Gray/Gold	0.0%	100.0%	None Detected	Sample contains vermiculite which is a problem matrix; TEM with milling recommended

Client Sample ID: PLA-01C-Skim Coat ***Lab Sample ID:*** **671900169-0008**
Sample Description: 304/Plaster

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/30/2019	White	0.0%	100.0%	None Detected	

Client Sample ID: PLA-01C-Base Coat ***Lab Sample ID:*** **671900169-0008A**
Sample Description: 304/Plaster

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/30/2019	Gray/Gold	0.0%	100.0%	None Detected	Sample contains vermiculite which is a problem matrix; TEM with milling recommended

Client Sample ID: PLA-01D-Skim Coat ***Lab Sample ID:*** **671900169-0009**
Sample Description: 304/Plaster

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/30/2019	White	0.0%	100.0%	None Detected	

Client Sample ID: PLA-01D-Base Coat ***Lab Sample ID:*** **671900169-0009A**
Sample Description: 304/Plaster

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/30/2019	Gray/Gold	0.0%	100.0%	None Detected	Sample contains vermiculite which is a problem matrix; TEM with milling recommended

Client Sample ID: PLA-01D-Joint Compound ***Lab Sample ID:*** **671900169-0009B**
Sample Description: 304/Plaster

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/30/2019	White	0.0%	100.0%	None Detected	

EMSL Canada Inc.

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http://www.EMSL.com / ottawalab@EMSL.com

EMSL Canada Order 671900169
Customer ID: 55CMTE42
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05 via EPA600/R-93/116 Method

Client Sample ID: PLA-01E ***Lab Sample ID:*** **671900169-0010**
Sample Description: 304/Plaster

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	White	0.0%	100.0%	None Detected	

Client Sample ID: PAR-01A ***Lab Sample ID:*** **671900169-0011**
Sample Description: 302/Parging on wall

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/30/2019	Gray/Gold	0.0%	100.0%	None Detected	Sample contains vermiculite which is a problem matrix; TEM with milling recommended

Client Sample ID: PAR-01B ***Lab Sample ID:*** **671900169-0012**
Sample Description: 302/Parging on wall

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/30/2019	Gray/Gold	0.0%	100.0%	None Detected	Sample contains vermiculite which is a problem matrix; TEM with milling recommended

Client Sample ID: PAR-01C ***Lab Sample ID:*** **671900169-0013**
Sample Description: 302/Parging on wall

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Gray/Beige/Gold	0.0%	100.0%	None Detected	Sample contains vermiculite which is a problem matrix; TEM with milling recommended

Client Sample ID: GL-01A ***Lab Sample ID:*** **671900169-0014**
Sample Description: 304/Glazing

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/30/2019	Gray	0.0%	90.0%	**10% Chrysotile**	

Client Sample ID: GL-01B ***Lab Sample ID:*** **671900169-0015**
Sample Description: 304/Glazing

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/30/2019				Positive Stop (Not Analyzed)	

Client Sample ID: GL-01C ***Lab Sample ID:*** **671900169-0016**
Sample Description: 304/Glazing

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/30/2019				Positive Stop (Not Analyzed)	

EMSL Canada Inc.

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http://www.EMSL.com / ottawalab@EMSL.com

EMSL Canada Order 671900169
Customer ID: 55CMTE42
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05 via EPA600/R-93/116 Method

Client Sample ID: AT-01A ***Lab Sample ID:*** **671900169-0017**
Sample Description: 304A/2'x4' Acoustic tile (pinholes + sm. Fissures)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/30/2019	Gray	85.0%	15.0%	None Detected	

Client Sample ID: AT-01B ***Lab Sample ID:*** **671900169-0018**
Sample Description: 304A/2'x4' Acoustic tile (pinholes + sm. Fissures)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/30/2019	Gray	85.0%	15.0%	None Detected	

Client Sample ID: AT-01C ***Lab Sample ID:*** **671900169-0019**
Sample Description: 304A/2'x4' Acoustic tile (pinholes + sm. Fissures)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Gray	0.0%	100.0%	None Detected	

Client Sample ID: COV-01A-Cove Base ***Lab Sample ID:*** **671900169-0020**
Sample Description: 304/Cove Base (grey)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/30/2019	Gray	0.0%	100.0%	None Detected	

Client Sample ID: COV-01A-Mastic ***Lab Sample ID:*** **671900169-0020A**
Sample Description: 304/Cove Base (grey)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/30/2019	Beige	0.0%	100.0%	None Detected	

Client Sample ID: COV-01B-Cove Base ***Lab Sample ID:*** **671900169-0021**
Sample Description: 304/Cove Base (grey)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/30/2019	Gray	0.0%	100.0%	None Detected	

Client Sample ID: COV-01B-Mastic ***Lab Sample ID:*** **671900169-0021A**
Sample Description: 304/Cove Base (grey)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/30/2019	Beige	0.0%	100.0%	None Detected	

Client Sample ID: COV-01C-Cove Base ***Lab Sample ID:*** **671900169-0022**
Sample Description: 304/Cove Base (grey)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Gray	0.0%	100.0%	None Detected	

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Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05 via EPA600/R-93/116 Method

Client Sample ID: COV-01C-Mastic ***Lab Sample ID:*** **671900169-0022A**

Sample Description: 304/Cove Base (grey)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Beige	0.0%	100.0%	None Detected	

Analyst(s):

Ewa Krupinska PLM (6)
Hilary Belleville PLM (21)

Reviewed and approved by:

Simon Parent, Laboratory Manager
or Other Approved Signatory

None Detected = <0.1%. EMSL maintains liability limited to cost of analysis. This report 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. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted. This report must not be used to claim product endorsement by NVLAP of any agency of the U.S. Government.

Samples analyzed by EMSL Canada Inc. Ottawa, ON

Initial report from: 01/31/201916:19:50

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Customer ID: 55CMTE42
Customer PO:
Project ID:

Attn: Joel Marcellus
CM3 Environmental Inc.
5710 Akins Rd
Stittsville, ON K2S 1B8

Phone: (613) 820-4343
Fax:
Collected: 1/28/2019
Received: 1/29/2019
Analyzed: 1/31/2019

Proj: TLW2302 - TBT - L Wing 3rd Floor

Test Report: Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05 via EPA600/R-93/116 Method

Client Sample ID: DJC-01A **Lab Sample ID:** 671900170-0001
Sample Description: Corridor/Drywall Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	White	0.0%	100.0%	None Detected	

Client Sample ID: DJC-01B **Lab Sample ID:** 671900170-0002
Sample Description: 318/Drywall Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	White	0.0%	100.0%	None Detected	

Client Sample ID: DJC-01C **Lab Sample ID:** 671900170-0003
Sample Description: 378/Drywall Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	White	0.0%	100.0%	None Detected	

Client Sample ID: DJC-01D **Lab Sample ID:** 671900170-0004
Sample Description: 378/Drywall Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	White	0.0%	100.0%	None Detected	

Client Sample ID: DJC-01E **Lab Sample ID:** 671900170-0005
Sample Description: 378G/Drywall Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	White	0.0%	100.0%	None Detected	

Client Sample ID: PLA-01A-Skim Coat **Lab Sample ID:** 671900170-0006
Sample Description: 378J/Wall Plaster

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	White	0.0%	98.0%	**2% Chrysotile**	

Client Sample ID: PLA-01A-Base Coat **Lab Sample ID:** 671900170-0006A
Sample Description: 378J/Wall Plaster

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Gray	0.0%	100.0%	None Detected	

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Client Sample ID: PLA-01B **Lab Sample ID:** **671900170-0007**
Sample Description: Corridor/Wall Plaster

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019				Positive Stop (Not Analyzed)	

Client Sample ID: PLA-01C **Lab Sample ID:** **671900170-0008**
Sample Description: 328/Wall Plaster

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019				Positive Stop (Not Analyzed)	

Client Sample ID: PLA-01D **Lab Sample ID:** **671900170-0009**
Sample Description: 330/Wall Plaster

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019				Positive Stop (Not Analyzed)	

Client Sample ID: PLA-01E **Lab Sample ID:** **671900170-0010**
Sample Description: 336/Wall Plaster

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019				Positive Stop (Not Analyzed)	

Client Sample ID: PLA-02A-Skim Coat **Lab Sample ID:** **671900170-0011**
Sample Description: Corridor/Ceiling Plaster

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	White	0.0%	99.0%	**1% Chrysotile**	

Client Sample ID: PLA-02A-Base Coat **Lab Sample ID:** **671900170-0011A**
Sample Description: Corridor/Ceiling Plaster

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Gray	1.0%	98.0%	**1% Chrysotile**	

Client Sample ID: PLA-02B **Lab Sample ID:** **671900170-0012**
Sample Description: Corridor/Ceiling Plaster

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019				Positive Stop (Not Analyzed)	

Client Sample ID: PLA-02C **Lab Sample ID:** **671900170-0013**
Sample Description: 378/Ceiling Plaster

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019				Positive Stop (Not Analyzed)	

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Project ID:

Test Report: Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05 via EPA600/R-93/116 Method

Client Sample ID: PLA-02D **Lab Sample ID:** **671900170-0014**
Sample Description: 378H/Ceiling Plaster

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019			Positive Stop (Not Analyzed)		

Client Sample ID: PLA-02E **Lab Sample ID:** **671900170-0015**
Sample Description: 340/Ceiling Plaster

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019			Positive Stop (Not Analyzed)		

Client Sample ID: AT-01A **Lab Sample ID:** **671900170-0016**
Sample Description: 340/2'x4' Acoustic tile (pinholes + lg. fissures)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Gray	85.0%	14.0%	**1% Chrysotile**	

Client Sample ID: AT-01B **Lab Sample ID:** **671900170-0017**
Sample Description: 340/2'x4' Acoustic tile (pinholes + lg. fissures)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019			Positive Stop (Not Analyzed)		

Client Sample ID: AT-01C **Lab Sample ID:** **671900170-0018**
Sample Description: 340/2'x4' Acoustic tile (pinholes + lg. fissures)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019			Positive Stop (Not Analyzed)		

Client Sample ID: AT-02A **Lab Sample ID:** **671900170-0019**
Sample Description: 318/2'x4' Acoustic tile (pinholes + sm. fissures)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Gray	85.0%	15.0%	None Detected	

Client Sample ID: AT-02B **Lab Sample ID:** **671900170-0020**
Sample Description: 318/2'x4' Acoustic tile (pinholes + sm. fissures)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Gray	85.0%	15.0%	None Detected	

Client Sample ID: AT-02C **Lab Sample ID:** **671900170-0021**
Sample Description: 318/2'x4' Acoustic tile (pinholes + sm. fissures)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Gray	85.0%	15.0%	None Detected	

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Test Report: Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05 via EPA600/R-93/116 Method

Client Sample ID: VT-01A-Vinyl Floor Tile ***Lab Sample ID:*** **671900170-0022**
Sample Description: 318/12"x12" Vinyl Floor Tile (lt. grey w/specks)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Beige	0.0%	100.0%	None Detected	

Client Sample ID: VT-01A-Mastic ***Lab Sample ID:*** **671900170-0022A**
Sample Description: 318/12"x12" Vinyl Floor Tile (lt. grey w/specks)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/31/2019				Insufficient Material	

Client Sample ID: VT-01B-Vinyl Floor Tile ***Lab Sample ID:*** **671900170-0023**
Sample Description: 318/12"x12" Vinyl Floor Tile (lt. grey w/specks)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Beige	0.0%	100.0%	None Detected	

Client Sample ID: VT-01B-Mastic ***Lab Sample ID:*** **671900170-0023A**
Sample Description: 318/12"x12" Vinyl Floor Tile (lt. grey w/specks)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/31/2019				Insufficient Material	

Client Sample ID: VT-01C-Vinyl Floor Tile ***Lab Sample ID:*** **671900170-0024**
Sample Description: 318/12"x12" Vinyl Floor Tile (lt. grey w/specks)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Beige	0.0%	100.0%	None Detected	

Client Sample ID: VT-01C-Mastic ***Lab Sample ID:*** **671900170-0024A**
Sample Description: 318/12"x12" Vinyl Floor Tile (lt. grey w/specks)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/31/2019				Insufficient Material	

Client Sample ID: VT-02A-Vinyl Floor Tile ***Lab Sample ID:*** **671900170-0025**
Sample Description: 318/12"x12" Vinyl Floor Tile (lt. brown w/specks)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Beige	0.0%	100.0%	None Detected	

Client Sample ID: VT-02A-Mastic ***Lab Sample ID:*** **671900170-0025A**
Sample Description: 318/12"x12" Vinyl Floor Tile (lt. brown w/specks)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/31/2019				Insufficient Material	

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Client Sample ID: VT-02A-Mastic 2 ***Lab Sample ID:*** **671900170-0025B**

Sample Description: 318/12"x12" Vinyl Floor Tile (lt. brown w/specks)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Brown	0.0%	100.0%	None Detected	

Client Sample ID: VT-02B-Vinyl Floor Tile ***Lab Sample ID:*** **671900170-0026**

Sample Description: 318/12"x12" Vinyl Floor Tile (lt. brown w/specks)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Beige	0.0%	100.0%	None Detected	

Client Sample ID: VT-02B-Mastic ***Lab Sample ID:*** **671900170-0026A**

Sample Description: 318/12"x12" Vinyl Floor Tile (lt. brown w/specks)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Brown	0.0%	100.0%	None Detected	

Client Sample ID: VT-02C-Vinyl Floor Tile ***Lab Sample ID:*** **671900170-0027**

Sample Description: 318/12"x12" Vinyl Floor Tile (lt. brown w/specks)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Beige	0.0%	100.0%	None Detected	

Client Sample ID: VT-02C-Mastic ***Lab Sample ID:*** **671900170-0027A**

Sample Description: 318/12"x12" Vinyl Floor Tile (lt. brown w/specks)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Brown	0.0%	100.0%	None Detected	

Client Sample ID: VT-03A-Vinyl Floor Tile ***Lab Sample ID:*** **671900170-0028**

Sample Description: 318/12"x12" Vinyl Floor Tile (grey w/specks) layer 2

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Gray	0.0%	100.0%	None Detected	

Client Sample ID: VT-03A-Mastic ***Lab Sample ID:*** **671900170-0028A**

Sample Description: 318/12"x12" Vinyl Floor Tile (grey w/specks) layer 2

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Black	0.0%	100.0%	None Detected	

Client Sample ID: VT-03B-Vinyl Floor Tile ***Lab Sample ID:*** **671900170-0029**

Sample Description: 318/12"x12" Vinyl Floor Tile (grey w/specks) layer 2

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Gray	0.0%	100.0%	None Detected	

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Client Sample ID: VT-03B-Mastic ***Lab Sample ID:*** **671900170-0029A**

Sample Description: 318/12"x12" Vinyl Floor Tile (grey w/specks) layer 2

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Black	0.0%	100.0%	None Detected	

Client Sample ID: VT-03B-Leveler ***Lab Sample ID:*** **671900170-0029B**

Sample Description: 318/12"x12" Vinyl Floor Tile (grey w/specks) layer 2

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Gray	0.0%	100.0%	None Detected	

Client Sample ID: VT-03C-Vinyl Floor Tile ***Lab Sample ID:*** **671900170-0030**

Sample Description: 318/12"x12" Vinyl Floor Tile (grey w/specks) layer 2

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Gray	0.0%	100.0%	None Detected	

Client Sample ID: VT-03C-Mastic ***Lab Sample ID:*** **671900170-0030A**

Sample Description: 318/12"x12" Vinyl Floor Tile (grey w/specks) layer 2

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Black	0.0%	100.0%	None Detected	

Client Sample ID: VT-03C-Leveler ***Lab Sample ID:*** **671900170-0030B**

Sample Description: 318/12"x12" Vinyl Floor Tile (grey w/specks) layer 2

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Gray	0.0%	100.0%	None Detected	

Client Sample ID: COV-01A-Cove Base ***Lab Sample ID:*** **671900170-0031**

Sample Description: Corridor/Cove base (brown)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Brown	0.0%	100.0%	None Detected	

Client Sample ID: COV-01A-Mastic ***Lab Sample ID:*** **671900170-0031A**

Sample Description: Corridor/Cove base (brown)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Brown	0.0%	100.0%	None Detected	

Client Sample ID: COV-01B-Cove Base ***Lab Sample ID:*** **671900170-0032**

Sample Description: Corridor/Cove base (brown)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Brown	0.0%	100.0%	None Detected	

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Client Sample ID: COV-01B-Mastic ***Lab Sample ID:*** **671900170-0032A**
Sample Description: Corridor/Cove base (brown)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Brown	0.0%	100.0%	None Detected	

Client Sample ID: COV-01C-Cove Base ***Lab Sample ID:*** **671900170-0033**
Sample Description: Corridor/Cove base (brown)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Brown	0.0%	100.0%	None Detected	

Client Sample ID: COV-01C-Mastic ***Lab Sample ID:*** **671900170-0033A**
Sample Description: Corridor/Cove base (brown)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Brown	0.0%	100.0%	None Detected	

Client Sample ID: COV-02A ***Lab Sample ID:*** **671900170-0034**
Sample Description: 318/Cove base (grey)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Beige	0.0%	100.0%	None Detected	

Client Sample ID: COV-02B ***Lab Sample ID:*** **671900170-0035**
Sample Description: 318/Cove base (grey)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Beige	0.0%	100.0%	None Detected	

Client Sample ID: COV-02C-Cove Base ***Lab Sample ID:*** **671900170-0036**
Sample Description: 318/Cove base (grey)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Beige	0.0%	100.0%	None Detected	

Client Sample ID: COV-02C-Mastic ***Lab Sample ID:*** **671900170-0036A**
Sample Description: 318/Cove base (grey)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	1/31/2019	Beige	0.0%	100.0%	None Detected	

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Analyst(s):

Ewa Krupinska PLM (28)
Simon Parent PLM (12)

Reviewed and approved by:

Simon Parent, Laboratory Manager
or Other Approved Signatory

None Detected = <0.1%. EMSL maintains liability limited to cost of analysis. This report 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. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted. This report must not be used to claim product endorsement by NVLAP of any agency of the U.S. Government.

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Initial report from: 01/31/201916:12:14

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Certificate of Analysis

CM3 Environmental Inc.

5710 Akins Road
Ottawa, ON K2S 1B8
Attn: Joel Marcellus

Client PO:
Project: TLW2302
Custody:

Report Date: 1-Feb-2019
Order Date: 29-Jan-2019

Order #: 1905105

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID
1905105-01	Pb-1 White Wall L Wing 378J
1905105-02	Pb-2 Grey Door Frame L Wing 378
1905105-03	Pb-3 11 Grey Window L Wing
1905105-04	Pb-4 White Wall C Wing 304
1905105-05	Pb-5 Grey Door Frame C Wing 304

Approved By:

Dale Robertson, BSc
Laboratory Director

Certificate of Analysis
Client: CM3 Environmental Inc.
Client PO:

Report Date: 01-Feb-2019
Order Date: 29-Jan-2019
Project Description: TLW2302

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Metals, ICP-OES	based on MOE E3470, ICP-OES	31-Jan-19	31-Jan-19

Sample and QC Qualifiers Notes

1- Gen-19 :Complete separation of paint from substrate not possible for this sample and a small amount of substrate has been included in the paint digestion.

Sample Data Revisions

None

Work Order Revisions/Comments:

None

Other Report Notes:

n/a: not applicable
ND: Not Detected
MDL: Method Detection Limit
Source Result: Data used as source for matrix and duplicate samples
%REC: Percent recovery.
RPD: Relative percent difference.

Certificate of Analysis
Client: CM3 Environmental Inc.
Client PO:

Report Date: 01-Feb-2019
Order Date: 29-Jan-2019
Project Description: TLW2302

Sample Results

Lead

Matrix: Paint
Sample Date: 28-Jan-19

Paracel ID	Client ID	Units	MDL	Result
1905105-01	Pb-1 White Wall L Wing 378J	ug/g	20	17700 [1]
1905105-02	Pb-2 Grey Door Frame L Wing 378	ug/g	20	1040
1905105-03	Pb-3 11 Grey Window L Wing	ug/g	20	107
1905105-04	Pb-4 White Wall C Wing 304	ug/g	20	<20 [1]
1905105-05	Pb-5 Grey Door Frame C Wing 304	ug/g	20	<20

Laboratory Internal QA/QC

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Matrix Blank									
Lead	**ND**	**20**	**ug/g**						
Matrix Duplicate									
Lead	**1110**	**20**	**ug/g**	**1040**			**6.6**	**30**	
Matrix Spike									
Lead	751		ug/L	519	92.9	70-130			

EMSL Canada Inc.

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Phone/Fax: (343) 882-6076 / (343) 882-6077
http://www.EMSL.com / ottawalab@EMSL.com

EMSL Canada Order 672100682
Customer ID: 55CTCS25B
Customer PO: CCC-220067
Project ID: Ottawa DSS

Attn: Lauren Hamilton
McIntosh Perry Consulting Engineers Ltd
115 Walgreen Rd RR 3
Carp, ON K0A 1L0

Phone: (613) 836-2184
Fax:
Collected:
Received: 4/16/2021
Analyzed: 4/20/2021

Proj: UofO-Tabaret Hall (Ottawa DSS)

Test Report: Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05 via EPA600/R-93/116 Method

Client Sample ID: BS 1.1-Joint Compound **Lab Sample ID:** 672100682-0001
Sample Description: Drywall Joint Compund

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021	White	0.0%	100.0%	None Detected	

Client Sample ID: BS 1.1-Skim Coat **Lab Sample ID:** 672100682-0001A
Sample Description: Drywall Joint Compund

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021	White	0.0%	100.0%	None Detected	

Client Sample ID: BS 1.1-Base Coat **Lab Sample ID:** 672100682-0001B
Sample Description: Drywall Joint Compund

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021	Gray	0.0%	100.0%	None Detected	

Client Sample ID: BS 1.2-Joint Compound 1 **Lab Sample ID:** 672100682-0002
Sample Description: Drywall Joint Compund

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021	White	0.0%	100.0%	None Detected	

Client Sample ID: BS 1.2-Skim Coat **Lab Sample ID:** 672100682-0002A
Sample Description: Drywall Joint Compund

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021	White	0.0%	100.0%	None Detected	

Client Sample ID: BS 1.2-Base Coat **Lab Sample ID:** 672100682-0002B
Sample Description: Drywall Joint Compund

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021	Gray	0.0%	100.0%	None Detected	

Client Sample ID: BS 1.2-Joint Compound 2 **Lab Sample ID:** 672100682-0002C
Sample Description: Drywall Joint Compund

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021	Tan	0.0%	98.0%	**2% Chrysotile**	

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EMSL Canada Order 672100682
Customer ID: 55CTCS25B
Customer PO: CCC-220067
Project ID: Ottawa DSS

Test Report: Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05 via EPA600/R-93/116 Method

Client Sample ID: BS 1.3 ***Lab Sample ID:*** **672100682-0003**
Sample Description: Drywall Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021				Positive Stop (Not Analyzed)	

Client Sample ID: BS 1.4 ***Lab Sample ID:*** **672100682-0004**
Sample Description: Drywall Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021				Positive Stop (Not Analyzed)	

Client Sample ID: BS 1.5 ***Lab Sample ID:*** **672100682-0005**
Sample Description: Drywall Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021				Positive Stop (Not Analyzed)	

Client Sample ID: BS 1.6 ***Lab Sample ID:*** **672100682-0006**
Sample Description: Drywall Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021				Positive Stop (Not Analyzed)	

Client Sample ID: BS 1.7 ***Lab Sample ID:*** **672100682-0007**
Sample Description: Drywall Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021				Positive Stop (Not Analyzed)	

Client Sample ID: BS 1.8 ***Lab Sample ID:*** **672100682-0008**
Sample Description: Drywall Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021				Positive Stop (Not Analyzed)	

Client Sample ID: BS 1.9 ***Lab Sample ID:*** **672100682-0009**
Sample Description: Drywall Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021				Positive Stop (Not Analyzed)	

Client Sample ID: BS 1.10 ***Lab Sample ID:*** **672100682-0010**
Sample Description: Drywall Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021				Positive Stop (Not Analyzed)	

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EMSL Canada Order 672100682
Customer ID: 55CTCS25B
Customer PO: CCC-220067
Project ID: Ottawa DSS

Test Report: Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05 via EPA600/R-93/116 Method

Client Sample ID: BS 1.11 ***Lab Sample ID:*** **672100682-0011**
Sample Description: Drywall Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/20/2021				Positive Stop (Not Analyzed)	

Client Sample ID: BS 2.1 ***Lab Sample ID:*** **672100682-0012**
Sample Description: 2'x4' Acoustic Ceiling Tiles, White small fissures

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/20/2021	Gray	85.0%	15.0%	None Detected	

Client Sample ID: BS 2.2 ***Lab Sample ID:*** **672100682-0013**
Sample Description: 2'x4' Acoustic Ceiling Tiles, White small fissures

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/20/2021	Gray	85.0%	15.0%	None Detected	

Client Sample ID: BS 2.3 ***Lab Sample ID:*** **672100682-0014**
Sample Description: 2'x4' Acoustic Ceiling Tiles, White small fissures

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/20/2021	Gray	85.0%	15.0%	None Detected	

Client Sample ID: BS 3.1 ***Lab Sample ID:*** **672100682-0015**
Sample Description: 2'x2'Acoustic Ceiling Tiles, White large fissures

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/20/2021	Beige	70.0%	26.0%	**3% Amosite**	
					1% Chrysotile	

Client Sample ID: BS 3.2 ***Lab Sample ID:*** **672100682-0016**
Sample Description: 2'x2'Acoustic Ceiling Tiles, White large fissures

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/20/2021				Positive Stop (Not Analyzed)	

Client Sample ID: BS 3.3 ***Lab Sample ID:*** **672100682-0017**
Sample Description: 2'x2'Acoustic Ceiling Tiles, White large fissures

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/20/2021				Positive Stop (Not Analyzed)	

Client Sample ID: BS 4.1 ***Lab Sample ID:*** **672100682-0018**
Sample Description: Window caulking, Black

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/20/2021	Black	0.0%	97.0%	**3% Chrysotile**	

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EMSL Canada Order 672100682
Customer ID: 55CTCS25B
Customer PO: CCC-220067
Project ID: Ottawa DSS

Test Report: Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05 via EPA600/R-93/116 Method

Client Sample ID: BS 4.2 ***Lab Sample ID:*** **672100682-0019**
Sample Description: Window caulking, Black

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021				Positive Stop (Not Analyzed)	

Client Sample ID: BS 4.3 ***Lab Sample ID:*** **672100682-0020**
Sample Description: Window caulking, Black

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021				Positive Stop (Not Analyzed)	

Client Sample ID: BS 5.1 ***Lab Sample ID:*** **672100682-0021**
Sample Description: Plaster, white

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021	White	0.0%	97.0%	**3% Chrysotile**	

Client Sample ID: BS 5.2 ***Lab Sample ID:*** **672100682-0022**
Sample Description: Plaster, white

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021				Positive Stop (Not Analyzed)	

Client Sample ID: BS 5.3 ***Lab Sample ID:*** **672100682-0023**
Sample Description: Plaster, white

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021				Positive Stop (Not Analyzed)	

Client Sample ID: BS 6.1-Vinyl Floor Tile ***Lab Sample ID:*** **672100682-0024**
Sample Description: Vinyl Floor Tiles, Orange with black dots

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021	Red	0.0%	100.0%	None Detected	

Client Sample ID: BS 6.1-Mastic ***Lab Sample ID:*** **672100682-0024A**
Sample Description: Vinyl Floor Tiles, Orange with black dots

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021	Black	0.0%	100.0%	None Detected	

Client Sample ID: BS 6.2-Vinyl Floor Tile ***Lab Sample ID:*** **672100682-0025**
Sample Description: Vinyl Floor Tiles, Orange with black dots

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021	Red	0.0%	100.0%	None Detected	

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EMSL Canada Order 672100682
Customer ID: 55CTCS25B
Customer PO: CCC-220067
Project ID: Ottawa DSS

Test Report: Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05 via EPA600/R-93/116 Method

Client Sample ID: BS 6.2-Mastic 1 ***Lab Sample ID:*** **672100682-0025A**
Sample Description: Vinyl Floor Tiles, Orange with black dots

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021	Black	0.0%	100.0%	None Detected	

Client Sample ID: BS 6.2-Mastic 2 ***Lab Sample ID:*** **672100682-0025B**
Sample Description: Vinyl Floor Tiles, Orange with black dots

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021	Yellow	0.0%	100.0%	None Detected	

Client Sample ID: BS 6.2-Leveler ***Lab Sample ID:*** **672100682-0025C**
Sample Description: Vinyl Floor Tiles, Orange with black dots

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021	Gray	5.0%	95.0%	None Detected	

Client Sample ID: BS 6.3-Vinyl Floor Tile ***Lab Sample ID:*** **672100682-0026**
Sample Description: Vinyl Floor Tiles, Orange with black dots

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021	Red	0.0%	100.0%	None Detected	

Client Sample ID: BS 6.3-Mastic 1 ***Lab Sample ID:*** **672100682-0026A**
Sample Description: Vinyl Floor Tiles, Orange with black dots

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021	Black	0.0%	100.0%	None Detected	

Client Sample ID: BS 6.3-Mastic 2 ***Lab Sample ID:*** **672100682-0026B**
Sample Description: Vinyl Floor Tiles, Orange with black dots

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021	Yellow	0.0%	100.0%	None Detected	

Client Sample ID: BS 6.3-Leveler ***Lab Sample ID:*** **672100682-0026C**
Sample Description: Vinyl Floor Tiles, Orange with black dots

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021	Gray	5.0%	95.0%	None Detected	

Client Sample ID: BS 6.3-Caulking ***Lab Sample ID:*** **672100682-0026D**
Sample Description: Vinyl Floor Tiles, Orange with black dots

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021	Clear	0.0%	100.0%	None Detected	

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EMSL Canada Order 672100682
Customer ID: 55CTCS25B
Customer PO: CCC-220067
Project ID: Ottawa DSS

Test Report: Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05 via EPA600/R-93/116 Method

Client Sample ID: BS 7.1 ***Lab Sample ID:*** **672100682-0027**

Sample Description: 2'x4' Acoustic Ceiling Tiles, White large fissures

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021	Gray	85.0%	15.0%	None Detected	

Client Sample ID: BS 7.2 ***Lab Sample ID:*** **672100682-0028**

Sample Description: 2'x4' Acoustic Ceiling Tiles, White large fissures

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021	Gray	85.0%	15.0%	None Detected	

Client Sample ID: BS 7.3 ***Lab Sample ID:*** **672100682-0029**

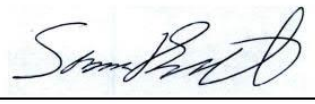
Sample Description: 2'x4' Acoustic Ceiling Tiles, White large fissures

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/20/2021	Gray	85.0%	15.0%	None Detected	

Analyst(s):

Simon Parent PLM (27)

Reviewed and approved by:



Simon Parent, Laboratory Manager
or Other Approved Signatory

None Detected = <0.1%. EMSL maintains liability limited to cost of analysis. This report 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. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted. This report must not be used to claim product endorsement by NVLAP of any agency or the U.S. Government

Samples analyzed by EMSL Canada Inc. Ottawa, ON NVLAP Lab Code 201040-0

Initial report from: 04/20/202113:41:34

OrderID: 672100682

EMSL CANADA, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number *(Lab Use Only)*: 672100682

EMSL CANADA, INC.
22 ANTARES DR. SUITE 102
NEPEAN, ON K2E 7Z6
PHONE: (343) 882-6076
FAX: (343) 882-6077

Company : Mcintosh Perry		**EMSL Customer ID:**	
Street: 115 Walgreen Road		**City: Carp**	**State/Province: Ontario**
Zip/Postal Code: K0A1L0	**Country: Canada**	**Report To (Name): Lauren Hamilton**	
Telephone #: 613-791-0505	**Fax #:**	**Email Address: L.hamilton@mcintoshperry.com**	
Project Name/Number: UofO - Tabaret Hall			
Please Provide Results: ☐ Fax ☒ Email	**Purchase Order: PCC-220067**	**State/Province Samples Taken: ON**	

EMSL-Bill to: ☒ Same ☐ Different - If Bill to is Different note instructions in Comments**

Third Party Billing requires written authorization from third party

Turnaround Time (TAT) Options* - Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☒ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

**For TEM Air 3 hours through 6 hours, please call ahead to schedule.*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.*

PCM - Air	TEM -- Air	Soil/Rock/Vermiculite
☐ NIOSH 7400	☐ AHERA 40 CFR, Part 763	☐ PLM EPA 600/R-93/116 with milling prep (<0.25%)
☐ IRSST PCM	☐ NIOSH 7402	☐ PLM EPA 600/R-93/116 with milling prep (<0.1%)
PLM - Bulk (reporting limit)	☐ EPA Level II	☐ TEM EPA 600/R-93/116 with milling prep (<0.1%)
☒ PLM EPA 600/R-93/116 (<1%)	**TEM - Bulk**	☐ TEM EPA 600/R-93/116 with milling prep (<0.01%)
☐ 400 PTCT (<0.25%)	☐ TEM EPA NOB	☐ ASTM D7521 Sieve Method
☐ 1000 PTCT (<0.1%)	☐ IRSST TEM (NYS 198.4)	☐ TEM Qualitative via Filtration Prep
☐ PLM EPA NOB (<1%)	**TEM- Dust**	☐ TEM Qualitative via Drop Mount Prep
☐ 400 PTCT (<0.25%)	☐ Microvac - ASTM D 5755	☐ Cincinnati Method EPA 600/R-04/004 - PLM/TEM*
☐ 1000 PTCT (<0.1%)	☐ Wipe - ASTM D6480	*(required for vermiculite in BC and NS)
☐ IRSST PLM	**TEM - Water**	**Asphalt**
☐ NIOSH 9002 (<1%)	☐ EPA 100.2 (All fibre sizes)	☐ PLM EPA Gravimetric with milling prep (<0.25%)
☐ Other	☐ EPA 100.2 (Fibres >10µm)	

☒ **Check Positive Stop – Clearly Identify Homogenous (HM) Groups** | **Filter Pore Size (Air Samples):** ☐ 0.8µm ☐ 0.45µm

Samplers Name: Lauren Hamilton | **Sampler's Signature:** [signature]

Sample #	Sample Description	Volume/Area (Air) HM-Homogeneous Material # (Bulk)	Date/Time Sampled
BS 1.1-1.11	Drywall Joint Compoud	HM1	April 16
BS 2.1-2.3	2'x4' Acoustic Ceiling Tiles, White small fissures	HM2	April 16
BS 3.1-3.3	2'x2' Acoustic Ceiling Tiles, White large fissures	HM3	April 16
BS 4.1-4.3	Window Caulking, Black	HM4	April 16
BS 5.1-5.3	Plaster, White	HM5	April 16
BS 6.1-6.3	Vinyl Floor Tiles, Orange with black dots	HM6	April 16
BS 7.1-7.3	2'x4' Acoustic Ceiling Tiles, White large fissures	HM7	April 16

Client Sample # (s): BS 1.1 - BS 7.3 **Total # of Samples:** 29

Relinquished (Client): Lauren Hamilton **Date:** April 16, 2021 **Time:** 1:55

Received (Lab): drop box at front desk **Date:** 4/16/21 **Time:** 1:[illegible]

Comments/Special Instructions:

EMSL Canada Inc.
2756 Slough Street, Mississauga, ON L4T 1G3
Phone/Fax: (289) 997-4602 / (289) 997-4607
http://www.EMSL.com torontolab@emsl.com

EMSL Canada Or	552106182
CustomerID:	55CTCS25B
CustomerPO:	CCC-22067
ProjectID:	Ottawa DSS

Attn: **Lauren Hamilton**
McIntosh Perry Consulting Engineers Ltd
115 Walgreen Rd RR 3
Carp, ON K0A 1L0

Phone: (613) 836-2184
Fax:
Received: 4/19/2021 10:04 AM
Collected: 4/16/2021

Project: **U OF 0 - TABARET HALL**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Weight	RDL	Lead Concentration
PB-01 *552106182-0001*	4/16/2021 Site: BROWN, HALLWAY 239	4/20/2021	0.2455 g	0.0081 % wt	<0.0081 % wt
PB-02 *552106182-0002*	4/16/2021 Site: BEIGE, ROOM 239	4/20/2021	0.2507 g	0.0080 % wt	0.010 % wt
PB-03 *552106182-0003*	4/16/2021 Site: YELLOWED WHITE, MECH ROOM	4/20/2021	0.2434 g	0.041 % wt	1.0 % wt
PB-04 *552106182-0004*	4/16/2021 Site: RED, TRIM 239/238	4/20/2021	0.1825 g	0.011 % wt	0.069 % wt
PB-05 *552106182-0005*	4/16/2021 Site: WHITE, ROOM 219	4/20/2021	0.2470 g	0.0081 % wt	<0.0081 % wt
PB-06 *552106182-0006*	4/16/2021 Site: YELLOWED WHITE, 219 A	4/20/2021	0.2504 g	0.0080 % wt	<0.0080 % wt

Rowena Fanto, Lead Supervisor
or other approved signatory

Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.
Samples analyzed by EMSL Canada Inc. Mississauga, ON AIHA-LAP, LLC - ELLAP #196142

Initial report from 04/21/2021 08:50:50

OrderID: 552106182

EMSL CANADA, INC.
LABORATORY · PRODUCTS · TRAINING

Lead (Pb) Chain of Custody

EMSL Canada Order ID *(Lab Use Only).*

552106182

EMSL CANADA, INC.
2756 SLOUGH STREET
MISSISSAUGA, ON L4T 1G3
PHONE: (289) 997-4602
FAX: (289) 997-4607

Company : Mcintosh Perry	**EMSL-Bill to:** ☒ Same ☐ Different If Bill to is Different note instructions in Comments**
Street: 115 Walgreen Road	*Third Party Billing requires written authorization from third party*
City: Carp **State/Province: ON**	**Zip/Postal Code: K0A 1L0** **Country: Canada**
Report To (Name): Lauren Hamilton	**Telephone #: 613-791-0505**
Email Address: L.hamilton@mcintoshperry.com	**Fax #:** **Purchase Order: CCC - 220067**
Project Name/Number: UofO - Tabaret Hall	**Please Provide Results:** ☐ Fax ☒ Email
U.S. State Samples Taken:	**CT Samples:** ☐ Commercial/Taxable ☐ Residential/Tax Exempt

Turnaround Time (TAT) Options* - Please Check

☐ 3 Hour | ☐ 6 Hour | ☐ 24 Hour | ☐ 32 Hour[1] | ☒ 48 Hour | ☐ 72 Hour | ☐ 96 Hour | ☐ 1 Week | ☐ 2 Week

[1] *32 Hour TAT available for select tests only, samples must be submitted by 11 30 am*

Matrix	Method	Instrument	Reporting Limit	Check
Chips* ☒ % by wt. ☐ ppm (mg/kg) ☐ mg/cm²	SW846-7000B	Flame Atomic Absorption	0.008% (80 ppm)	☒
*Reporting limit based upon minimum 0.25 g sample weight	SW846-6010B or C	ICP-OES	0.0004% (4 ppm)	☐
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	☐
	NIOSH 7300M/NIOSH 7303	ICP-OES	0.5 µg/filter	☐
Wipe* ASTM ☐ non ASTM ☐	SW846-7000B	Flame Atomic Absorption	10 µg/wipe	☐
*If no box is checked, non-ASTM Wipe is assumed	SW846-6010B or C	ICP-OES	1.0 µg/wipe	☐
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW846-1311/SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	☐
SPLP	SW846-1312/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW846-1312/SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	☐
TTLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	40 mg/kg (ppm)	☐
	22 CCR App II, SW846-6010B or C	ICP-OES	2 mg/kg (ppm)	☐
STLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	22 CCR App. II, SW846-6010B or C	ICP-OES	0 1 mg/L (ppm)	☐
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)	☐
	SW846-6010B or C	ICP-OES	2 mg/kg (ppm)	☐
Wastewater Unpreserved ☐	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
Preserved with HNO_3 ☐ pH <2	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	☐
Drinking Water Unpreserved ☐	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	☐
Preserved with HNO_3 ☐ pH <2	EPA 200 5	ICP-OES	0.003 mg/L (ppm)	☐
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	☐
Other:				☐

Name of Sampler: Lauren Hamilton **Signature of Sampler:**

Client Sample #s PB-01 - PB-06 **Total # of Samples:** 6

Sample #	Location	Volume/Area	Date/Time Shipped
PB-01	Brown, Hallway 239		April 16
PB-02	Beige, Room 239		April 16

Relinquished (Client):	Lauren Hamilton	**Date:**	April 16, 2021	**Time:**	1:55
Received (Lab):	LAB SS	**Date:**		**Time:**	

Comments:

FEDEX : 7734 6834 9104

Page 1 of 2 1 of 3

EMSL Analytical, Inc 's Laboratory Terms and Conditions are incorporated into this chain of custody by reference in their entirety. Submission of samples to EMSL constitutes acceptance and acknowledgment of all terms and conditions

OrderID: 552106182

EMSL CANADA, INC.

LEAD (Pb) CHAIN OF CUSTODY

EMSL CANADA ORDER ID *(Lab Use Only):*

552106182

EMSL CANADA, INC.
2756 SLOUGH STREET
MISSISSAUGA, ON L4T 1G3
PHONE: (289) 997-4602
FAX: (289) 997-4607

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
PB-03	Yellowed White, Mech room		April 16
PB-04	Red, Trim 239/238		April 16
PB-05	White, Room 219		April 16
PB-06	Yellowed White, 219 A		April 16

Comments/Special Instructions:

Page ___2___ of __2____ pages

APPENDIX D

Site Photographs

H

Photo 1: View of asbestos-containing vinyl floor tiles (9”x9”-White and Black) observed to be in good condition in C207C.

Photo 2: View of asbestos-containing vinyl floor tiles (12”x12”-Cream and Brown Coloured) observed to be in good condition in Room W0041.

Photo 3: View of asbestos-containing vinyl floor tiles (9”x9”-Grey Coloured) observed to be in good condition in Room C08.

Photo 4: View of the asbestos-containing brick mortar observed to be in poor condition in Room C455.

Photo 5: View of asbestos-containing mechanical pipe fitting insulation observed to be in good condition in Room C01B.

Photo 6: View of asbestos-containing mechanical pipe fitting insulation observed to be in good condition in Room C01D.

Photo 7: View of asbestos-containing window frame caulking observed to be in fair condition in Room M386F.

Photo 8: View of non-asbestos containing suspended ceiling tiles (2’x4’-Square Pattern with Pinholes) observed in Room C219.

Photo 9: View of non-asbestos containing vinyl floor tiles (12”x12”-Off White with Small Grey Streaks) observed in Room N0122B.

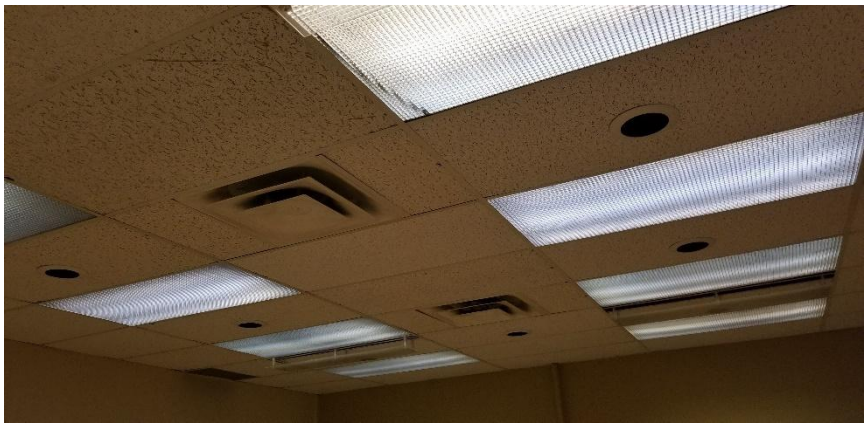


Photo 10: View of asbestos-containing suspended ceiling tiles (2'x4"-White Tone) observed to be in good condition in Room C012A.

Photo 11: View of asbestos-containing ceiling plaster and drywall joint compound observed throughout the building.

Photo 12: View of non-PCB Containing light ballasts observed in C459.

Photo 13: Typical view of low-level lead containing pink paint finish observed to be in good condition on radiators and walls throughout the subject building.

APPENDIX E

Asbestos Containing Materials Inventory

Floor/Level	Location	Type of ACM	Asbestos Presence	Friable/Non-Friable	Condition	Accessibility	Level of Work Near Material	Approx. Quantity	Unit	Recommended Action	Comments
00	Throughout Level	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	-	-	Manage in Place	
00	Throughout Level	Drywall Joint Compound	Confirmed	-*	Good	Easy	Low	-	-	Manage in Place	
00	Throughout Level	Fire Doors	Confirmed	-	Good	Easy	Low	-	-	Manage in Place	
00	Room M0013	Mechanical Pipe Fittings/Elbows Insulation	Confirmed	Friable	Good	Moderate	Low	4	C	Manage in Place	
00	Room M0016	Mechanical Pipe Fittings/Elbows Insulation	Confirmed	Friable	Good	Moderate	Low	7	C	Manage in Place	
00	Room M0018	Mechanical Pipe Fittings/Elbows Insulation	Confirmed	Friable	Good	Moderate	Low	12	C	Manage in Place	
00	Room M0019	Mechanical Pipe Fittings/Elbows Insulation	Confirmed	Friable	Good	Moderate	Low	8	C	Manage in Place	
00	Room N001A	Mechanical Pipe Fittings/Elbows Insulation	Confirmed	Friable	Good	Moderate	Low	5	C	Manage in Place	
00	Room N002	Mechanical Pipe Fittings/Elbows Insulation	Confirmed	Friable	Good	Moderate	Low	4	C	Manage in Place	
00	Room W007	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-*	Good	Difficult	Low	40	SF	Manage in Place	
00	Room W0011	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	170	SF	Manage In Place	
00	Room W0011A	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	44	SF	Manage In Place	
00	Room W0011B	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	44	SF	Manage In Place	
00	Room W0011C	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	52	SF	Manage In Place	
00	Room W0011D	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	53	SF	Manage In Place	
00	Room W0011E	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	55	SF	Manage In Place	
00	Room W0011G	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Moderate	Low	50	SF	Manage In Place	
00	Room W0011H	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Moderate	Low	40	SF	Manage In Place	
00	Room W0011H	Vinyl Floor Tiles (12"x12"-Cream and Brown Coloured)	Confirmed	Non-Friable	Good	Easy	Low	45	SF	Manage in Place	
00	Room W0013	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	260	SF	Manage in Place	

Floor/Level	Location	Type of ACM	Asbestos Presence	Friable/Non-Friable	Condition	Accessibility	Level of Work Near Material	Approx. Quantity	Unit	Recommended Action	Comments
00	Room W0015	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	130	SF	manage in Place	
00	Room W0017	Vinyl Floor Tiles (12"x12"-Cream and Brown Coloured)	Confirmed	Non-Friable	Good	Easy	Low	25	SF	Manage in Place	
00	Room W0017	Vinyl Floor Tiles (12"x12"-Beige with Brown Mottling)	Confirmed	Non-Friable	Good	Easy	Low	90	SF	Manage in Place	
00	Room W0023	Vinyl Floor Tiles (12"x12"-Cream and Brown Coloured)	Confirmed	Non-Friable	Good	Easy	Low	390	SF	Manage in Place	
00	Room W0021	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	120	SF	Manage in Place	
00	Room W0025	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	Throughout	-	Manage in Place	
00	Room W0027	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	Throughout	-	Manage in Place	
00	Room W0029	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	216	SF	Manage in Place	
00	Room W0029	Vinyl Floor Tiles (12"x12"-Cream and Brown Coloured)	Confirmed	Non-Friable	Good	Enclosed	Low	120	SF	Manage in Place	
00	Room W0031	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	Throughout	-	Manage in Place	
00	Room W0031	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	120	SF	Manage in Place	
00	Room W0031A	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	120	SF	Manage in Place	
00	Room W0031B	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	120	SF	Manage in Place	
00	Room W0031C	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	120	SF	Manage in Place	
00	Room W0031D	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	120	SF	Manage in Place	
00	Room W0033	Vinyl Floor Tiles (12"x12"-Beige with Brown Mottling)	Confirmed	Non-Friable	Good	Easy	Low	90	SF	Manage in Place	
00	Room W0033	Vinyl Floor Tiles (12"x12"-Cream and Brown Coloured)	Confirmed	Non-Friable	Good	Easy	Low	25	SF	Manage in Place	
00	Room W0035	Vinyl Floor Tiles (12"x12"-Cream and Brown Coloured)	Confirmed	Non-Friable	Good	Easy	Low	70	SF	Manage in Place	
00	Room W0037	Vinyl Floor Tiles (12"x12"-Cream and Brown Coloured)	Confirmed	Non-Friable	Good	Easy	Low	80	SF	Manage in Place	
00	Room W0041	Vinyl Floor Tiles (12"x12"-Cream and Brown Coloured)	Confirmed	Non-Friable	Good	Easy	Low	175	SF	Manage in Place	
00	Room W0043	Vinyl Floor Tiles (12"x12"-Cream and Brown Coloured)	Confirmed	Non-Friable	Good	Easy	Low	120	SF	Manage in Place	
00	Room W0045	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	120	SF	Manage in Place	

Floor/Level	Location	Type of ACM	Asbestos Presence	Friable/Non-Friable	Condition	Accessibility	Level of Work Near Material	Approx. Quantity	Unit	Recommended Action	Comments
0	Throughout Level	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	-	-	Manage in Place	
0	Throughout Level	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	-	-	Manage in Place	
0	Throughout Level	Fire Doors	Confirmed	-	Good	Easy	Low	-	-	Manage in Place	
0	Room C01	Mechanical Pipe Straight Insulation	Confirmed	Friable	Good	Moderate	Low	40	LF	Manage in Place	
0	Room C01	Mechanical Pipe Fittings/Elbows Insulation	Confirmed	Friable	Good	Moderate	Low	14	C	Manage in Place	
0	Room C01B	Mechanical Pipe Fittings/Elbows Insulation	Confirmed	Friable	Good	Moderate	Low	7	C	Manage in Place	
0	Room C01D	Mechanical Pipe Fittings/Elbows Insulation	Confirmed	Friable	Good	Moderate	Low	38	C	Manage in Place	
0	Room C02	Vinyl Floor Tiles (9"x9"-Grey Coloured)	Confirmed	Non-Friable	Good	Easy	Low	85	SF	Manage in Place	
0	Room C04	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	Throughout	-	Manage in Place	
0	Room C08	Vinyl Floor Tiles (9"x9"-Green Coloured)	Confirmed	Non-Friable	Good	Easy	Low	82	SF	Manage in Place	
0	Room C012	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Easy	Low	624	SF	Manage in Place	
0	Room C012A	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	410	SF	Manage in Place	
0	Room C015B	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	Throughout	-	Manage in Place	
0	Room C015L	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	Throughout	-	Manage in Place	
0	Room C017B	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	60	SF	Manage in Place	
0	Room C017D	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	100	SF	Manage In Place	
0	Room L040	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	Throughout	-	Manage in Place	
0	Room L040	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	750	SF	Manage in Place	
0	Room L040A	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	60	SF	Manage in Place	
0	Room L042	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	150	SF	Manage in Place	
0	Room L044	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	190	SF	Manage in Place	
0	Room L044A	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	170	SF	Manage in Place	
0	Room L044C	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	130	SF	Manage in Place	

Floor/Level	Location	Type of ACM	Asbestos Presence	Friable/Non-Friable	Condition	Accessibility	Level of Work Near Material	Approx. Quantity	Unit	Recommended Action	Comments
0	Room L046	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	270	SF	Manage in Place	
0	Room L046A	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	130	SF	Manage in Place	
0	Room L046B	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	85	SF	Manage in Place	
0	Room L046C	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	195	SF	Manage in Place	
0	Room L046D	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	100	SF	Manage in Place	
0	Room L046E	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	110	SF	Manage in Place	
0	Room L046F	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	190	SF	Manage in Place	
0	Room L046G	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	130	SF	Manage in Place	
0	Room L046H	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	70	SF	Manage in Place	
0	Room L046J	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	80	SF	Manage in Place	
0	Room L046K	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	270	SF	Manage in Place	
0	Room L046K	Vinyl Floor Tiles (12"x12"-Beige with Brown Mottling)	Confirmed	Non-Friable	Good	Easy	Low	70	SF	Manage in Place	
0	Room L046L	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	50	SF	Manage in Place	
0	Room L046O	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	Throughout	-	Manage in Place	
0	Room L050A	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	80	SF	Manage in Place	
0	Room L054	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	Throughout	-	Manage in Place	
0	Room L054	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	325	SF	Manage in Place	
0	Room L056	Suspended Ceiling Tiles (2'x2'-Pinholes and Large Fissures)	Confirmed	-	Good	Difficult	Low	172	SF	Manage in Place	
0	Room L056	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	165	SF	Manage in Place	
0	Room L058	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	180	SF	Manage in Place	
0	Room L058	Suspended Ceiling Tiles (2'x2'-Pinholes and Large Fissures)	Confirmed	-	Good	Difficult	Low	172	SF	Manage in Place	
0	Room L062	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	480	SF	Manage in Place	

Floor/Level	Location	Type of ACM	Asbestos Presence	Friable/Non-Friable	Condition	Accessibility	Level of Work Near Material	Approx. Quantity	Unit	Recommended Action	Comments
0	Room L062	Mechanical Pipe Straight Insulation	Confirmed	Friable	Good	Moderate	Low	75	LF	Manage in Place	
0	Room L070	Mag-block Pipe Straight Insulation	Confirmed	Friable	Good	Moderate	Low	-	-	Manage in Place	
0	Room L064B	Mechanical Pipe Fittings/Elbows Insulation	Confirmed	Friable	Good	Moderate	Low	4	C	Manage in Place	
0	Room L070C	Mechanical Pipe Fittings/Elbows Insulation	Confirmed	Friable	Good	Moderate	Low	-	-	Manage in Place	
0	Room L070D	Vinyl Floor Tiles (9"x9"-Green and White)	Confirmed	Non-Friable	Good	Easy	Low	190	SF	Manage in Place	
0	Room L072	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	Throughout	-	Manage in Place	
0	Room L072A	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	Throughout	-	Manage in Place	
0	Room L072A	Vinyl Floor Tiles (9"x9"-Green and White)	Confirmed	Non-Friable	Good	Easy	Low	130	SF	Manage in Place	
0	Room L072A	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	165	SF	Manage in Place	
0	Room M081	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	Throughout	-	Manage in Place	
0	Room M089	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	172	SF	Manage in Place	
0	Room M092	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	80	SF	Manage in Place	
0	Room N0100	Suspended Ceiling Tile (2'x4'-White FRB-CL-1)	Confirmed	-	Good	Difficult	Low	210	SF	Manage in Place	
0	Room N0101	Suspended Ceiling Tile (2'x4'-White FRB-CL-1)	Confirmed	-	Good	Difficult	Low	140	SF	Manage in Place	
0	Room N0102	Suspended Ceiling Tile (2'x4'-White FRB-CL-1)	Confirmed	-	Good	Difficult	Low	85	SF	Manage in Place	
0	Room N0103	Suspended Ceiling Tile (2'x4'-White FRB-CL-1)	Confirmed	-	Good	Difficult	Low	120	SF	Manage in Place	
0	Room N0105	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	25	SF	Manage in Place	
0	Room N0105	Vinyl Floor Tiles (9"x9"-Green Coloured)	Confirmed	Non-Friable	Good	Easy	Low	20	SF	Manage in Place	
0	Room N0128	Suspended Ceiling Tile (2'x4'-White FRB-CL-1)	Confirmed	-	Good	Difficult	Low	65	SF	Manage in Place	
0	Room N0129	Suspended Ceiling Tile (2'x4'-White FRB-CL-1)	Confirmed	-	Good	Difficult	Low	80	SF	Manage in Place	
0	Room N0130	Vinyl Floor Tiles (9"x9"-Green Coloured)	Confirmed	Non-Friable	Good	Easy	Low	40	SF	Manage in Place	
0	Room W021	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	248	SF	Manage in Place	
0	Room W021C	Drywall Joint Compound	Confirmed	-	Good	Difficult	Low	Throughout	-	Manage in Place	

Floor/Level	Location	Type of ACM	Asbestos Presence	Friable/Non-Friable	Condition	Accessibility	Level of Work Near Material	Approx. Quantity	Unit	Recommended Action	Comments
0	Room W023	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	60	SF	Manage in Place	
0	Room W023A	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	104	SF	Manage in Place	
0	Room W023B	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	75	SF	Manage in Place	
0	Room W023C	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	75	SF	Manage in Place	
0	Room W023D	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	75	SF	Manage in Place	
0	Room W023E	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	108	SF	Manage in Place	
0	Room W023F	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	96	SF	Manage in Place	
0	Room W023G	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	125	SF	Manage in Place	
0	Room W024	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	236	SF	Manage in Place	
0	Room W027	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	1,000	SF	Manage in Place	
0	Room W030	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	530	SF	Manage in Place	
0	Room W030A	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	130	SF	Manage in Place	
0	Room W032	Suspended Ceiling Tiles (2'x2'-Pinholes and Large Fissures)	Confirmed	-	Good	Difficult	Low	600	SF	Manage in Place	
0	Room W035	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good	Difficult	Low	120	SF	Manage in Place	
1	Throughout Level	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	-	-	Manage in Place	
1	Throughout Level	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	-	-	Manage in Place	
1	Throughout Level	Fire Doors	Confirmed	-	Good	Easy	Low	-	-	Manage in Place	
1	Room C105	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	Throughout	-	Manage in Place	
1	Room C105B	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	Throughout	-	Manage in Place	
1	Room C105L	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	Throughout	-	Manage in Place	
1	Room C105K	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	Throughout	-	Manage in Place	
1	Room C105N	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	Throughout	-	Manage in Place	
1	Room C107	Vinyl Floor Tiels (9"x9")	Confirmed	Non-Friable	Good	Enclosed	Low	120	SF	Manage in Place	
1	Room C107	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	Throughout	-	Manage in Place	

Floor/Level	Location	Type of ACM	Asbestos Presence	Friable/Non-Friable	Condition	Accessibility	Level of Work Near Material	Approx. Quantity	Unit	Recommended Action	Comments
1	Room C108	Vinyl Floor Tiles (12"x12"-Beige with Beige Stripes)	Confirmed	Non-Friable	Good	Easy	Low	125	SF	Manage in Place	
1	Room C111	Mechanical Pipe Straight Insulation	Confirmed	Friable	Good	Difficult	Low	15	LF	Manage in Place	
1	Room C111	Mechanical Pipe Fittings/Elbows Insulation	Confirmed	Friable	Good	Difficult	Low	11	C	Manage in Place	
1	Room C123	Vinyl Floor Tiles (9"x9"-White and Black)	Confirmed	Non-Friable	Good	Easy	Low	80	SF	Manage in Place	
1	Room L111	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	185	SF	Manage in Place	
1	Room L115	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	80	SF	Manage in Place	
1	Room L117	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	270	SF	Manage in Place	
1	Room L119	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	185	SF	Manage in Place	
1	Room L121	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	185	SF	Manage in Place	
1	Room L123	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	1,485	SF	Manage in Place	
1	Room L125	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	90	SF	Manage in Place	
1	Room L129	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	465	SF	Manage in Place	
1	Room L131	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	145	SF	Manage in Place	
1	Room L133	Ceiling Plaster (White and Beige Layer)	Confirmed	Friable	Good	Difficult	Low	30	SF	Manage in Place	
1	Room L139	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	35	SF	Manage in Place	
1	Room L139A	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	180	SF	Manage in Place	
1	Room L139A	Texture Finish	Confirmed	Friable	Good	Difficult	Low	180	SF	Manage in Place	
1	Room L141	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	160	SF	Manage in Place	
1	Room M155	Drywall Joint Compound	Confirmed	-	Good	Difficult	Low	Throughout	-	Manage in Place	

Floor/Level	Location	Type of ACM	Asbestos Presence	Friable/Non-Friable	Condition	Accessibility	Level of Work Near Material	Approx. Quantity	Unit	Recommended Action	Comments
1	Room M158	Drywall Joint Compound	Confirmed	-	Good	Difficult	Low	Throughout	-	Manage in Place	
1	Room M162	Drywall Joint Compound	Confirmed	-	Good	Difficult	Low	Throughout	-	Manage in Place	
1	Room N100E	Drywall Joint Compound	Confirmed	-	Good	Difficult	Low	Throughout	-	Manage in Place	
1	Room N100E	Drywall Joint Compound	Confirmed	-	Good	Difficult	Low	Throughout	-	Manage in Place	
1	Room N101	Vinyl Floor Tiles (9"x9"-Green and White Stripes)	Confirmed	Non-Friable	Good	Difficult	Low	95	SF	Manage in Place	
1	Room N103	Mechanical Pipe Straight Insulation	Confirmed	Friable	Good	Difficult	Low	10	LF	Manage in Place	
1	Room N103	Mechanical Pipe Fittings/Elbows Insulation	Confirmed	Friable	Good	Difficult	Low	4	C	Manage in Place	
1	Room N107A	Mechanical Pipe Straight Insulation	Confirmed	Friable	Good	Difficult	Low	30	LF	Manage in Place	
1	Room N107A	Mechanical Pipe Fittings/Elbows Insulation	Confirmed	Friable	Good	Difficult	Low	18	C	Manage in Place	
1	Room C105B	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	Throughout	-	Manage in Place	
1	Room N104	Vinyl Floor Tiles (9"x9"-Green Coloured)	Confirmed	Non-Friable	Good	Easy	Low	172	SF	Manage in Place	
1	Room N105	Vinyl Floor Tiles (9"x9"-Green Coloured)	Confirmed	Non-Friable	Good	Easy	Low	160	SF	Manage in Place	
1	Room N107	Vinyl Floor Tiles (9"x9"-Green Coloured)	Confirmed	Non-Friable	Good	Easy	Low	172	SF	Manage in Place	
1	Room N108	Vinyl Floor Tiles (9"x9"-Grey Coloured)	Confirmed	Non-Friable	Good	Easy	Low	140	SF	Manage in Place	
1	Room N109	Vinyl Floor Tiles (9"x9"-Green Coloured)	Confirmed	Non-Friable	Good	Easy	Low	216	SF	Manage in Place	
1	Room N111	Vinyl Floor Tiles (9"x9"-Grey Coloured)	Confirmed	Non-Friable	Good	Easy	Low	180	SF	Manage in Place	
1	Room N112	Vinyl Floor Tiles (9"x9"-Green Coloured)	Confirmed	Non-Friable	Good	Easy	Low	194	SF	Manage in Place	
1	Room N114	Vinyl Floor Tiles (9"x9"-Green Coloured)	Confirmed	Non-Friable	Good	Easy	Low	500	SF	Manage in Place	
1	Room N100	Ceiling Plaster (White and Beige LayerS)	Confirmed	Friable	Good	Difficult	Low	600	SF	Manage in Place	
2	Throughout Level	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	-	-	Manage in Place	
2	Throughout Level	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	-	-	Manage in Place	
2	Throughout Level	Fire Doors	Confirmed	-	Good	Easy	Low	-	-	Manage in Place	
2	Room 238	2' x 2' Suspended Ceiling Tile, large fissures	Confirmed	-	Good	Difficult	Low	-	-	Manage in Place	

Floor/Level	Location	Type of ACM	Asbestos Presence	Friable/Non-Friable	Condition	Accessibility	Level of Work Near Material	Approx. Quantity	Unit	Recommended Action	Comments
2	Room 239	Window Caulking, Black	Confirmed	Non-Friable	Good	Easy	Low	-	-	Manage in Place	
2	Room 236	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
2	Room C207C	Vinyl Floor Tiles (9"x9"-White and Black)	Confirmed	Non-Friable	Good	Easy	Low	70	SF	Manage in Place	
2	Room C213B	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
2	Room C213C	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
2	Room C214	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
2	Room C218	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
2	Room L242	Vinyl Floor Tiles (12"x12"-Beige with Brown Mottling)	Confirmed	Non-Friable	Good	Easy	Low	40	SF	Manage in Place	
2	Room L236A	Mechanical Pipe Straight Insulation	Confirmed	Friable	Good	Difficult	Low	-	-	Manage in Place	
2	Room M281B	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
2	Room M286	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	Throughout	-	Manage in Place	
2	Room N200	Vinyl Floor Tiles (9"x9"-Green and White)	Confirmed	Non-Friable	Good	Easy	Low	750	SF	Manage in Place	
2	Room N200A	Vinyl Floor Tiles (9"x9"-Green and White)	Confirmed	Non-Friable	Good	Easy	Low	10	SF	Manage in Place	
2	Room N200B	Vinyl Floor Tiles (9"x9"-Green and White)	Confirmed	Non-Friable	Good	Easy	Low	125	SF	Manage in Place	
2	Room N200C	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	Throughout	-	Manage in Place	
2	Room N200C	Vinyl Floor Tiles (9"x9"-Green and White)	Confirmed	Non-Friable	Good	Easy	Low	65	SF	Manage in Place	
2	Room N211	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
2	Room N223	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	Throughout	-	Manage in Place	
2	Room N223	Vinyl Floor Tiles (9"x9"-Green and White)	Confirmed	Non-Friable	Good	Easy	Low	90	SF	Manage in Place	
2	Room L244B	Wall Plaster	Confirmed	Friable	Good	Moderate	Low	150	SF	Manage in Place	
3	Throughout Level	Ceiling Plaster (White and Beige)	Confirmed	Friable	Good	Difficult	Low	-	-	Manage in Place	
3	Throughout Level	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	-	-	Manage in Place	
3	Throughout Level	Fire Doors	Confirmed	-	Good	Easy	Low	-	-	Manage in Place	
3	Room C300	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
3	Room C304	Window Glazing (Black)	Confirmed	Non-Friable	Good	Easy	Low	3	LF	Manage in Place	

Floor/Level	Location	Type of ACM	Asbestos Presence	Friable/Non-Friable	Condition	Accessibility	Level of Work Near Material	Approx. Quantity	Unit	Recommended Action	Comments
3	Room C309	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
3	Room C313	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
3	Room C315	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
3	Room C370	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
3	Room C370E	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	-	-	Manage in Place	
3	Room C374	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
3	Room L340	Suspended Ceiling Tiles (2'x4'-Pinholes and Large Fissures)	Confirmed	-	Good	Difficult	Low	150	SF	Manage in Place	
3	Room L360	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
3	Room L378J	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
3	Room L328	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
3	Room L330	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
3	Room L338	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
3	Lwing Corridor	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
3	Room M380	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
3	Room M382	Plaster	Confirmed	Friable	Good	Difficult	Low	-	-	Manage in Place	
3	Room M386A	Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
3	Room M386B	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	-	-	Manage in Place	
3	Room M386G	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
3	Room M388	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	-	-	Manage in Place	
3	Room M396	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	Throughout	-	Manage in Place	
3	Room W323	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
3	Room W323	Mechanical Pipe Straight Insulation	Confirmed	Friable	Good	Difficult	Low	-	-	Manage in Place	
3	Room W325	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
3	Room W329	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
3	Room W331	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
3	Room W335	Mechanical Pipe Straight Insulation	Confirmed	Friable	Good	Difficult	Low	6	LF	Manage in Place	
4	Throughout Level	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	-	-	Monitor Condition of Material. Consider Removal or Repair.	
4	Throughout Level	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	

Floor/Level	Location	Type of ACM	Asbestos Presence	Friable/Non-Friable	Condition	Accessibility	Level of Work Near Material	Approx. Quantity	Unit	Recommended Action	Comments
4	Throughout Level	Fire Doors	Suspected	-	Good	Easy	Low	-	-	Manage in Place	
4	Room C401A	Vinyl Floor Tiles (12"x12"-Beige with Brown Streaks)	Confirmed	Non-Friable	Good	Easy	Low	100	SF	Manage in Place	
4	Room M400	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Difficult	Low	80	SF	Manage in Place	
4	Room M401	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
4	Room M401	Vinyl Floor Tiles (12"x12"-Beige with Brown Streaks)	Confirmed	Non-Friable	Good	Easy	Low	54	SF	Manage in Place	
4	Room M401	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
4	Room M402	Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
4	Room M403	Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
4	Room M404	Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
4	Room M404	Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
4	Room M405	Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
4	Room M406	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
4	Room M407	Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
4	Room M408	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
4	Room M409A	Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
4	Room M410	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
4	Room M411	Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
4	Room M411	Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
4	Room M413A	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
4	Room M414	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	Throughout	-	Manage in Place	
4	Room M415A	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
4	Room M418B	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
4	Room M422	Crack in Walls	Confirmed	Friable	Good	Easy	Low	30	SF	Manage in Place	
4	Room M422	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
4	Room M401	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
5	Room A501	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	Throughout	-	Manage in Place	
5	Room M501	Wall Plaster	Confirmed	Friable	Good	Easy	Low	-	-	Manage in Place	
5	Throughout Level	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Good	Easy	Low	Throughout	-	Manage in Place	
6	Throughout Level	Drywall Joint Compound	Confirmed	-	Good	Easy	Low	Throughout	-	Manage in Place	

Floor/Level	Location	Type of ACM	Asbestos Presence	Friable/Non-Friable	Condition	Accessibility	Level of Work Near Material	Approx. Quantity	Unit	Recommended Action	Comments
Exterior Terrace	Wall Adjacent to Building Entrance	Black Tar Caulking on Top of Flashing	Confirmed	Non-Friable	Good	Easy	Low	-	-	Manage in Place	
Roof	Throughout Level	Roofing Materials	Suspected	-	Good	Easy	Low	-	-	Manage in Place	
Roof	Roof "O" AHU	Black Tar	Confirmed	Non-Friable	Good	Easy	Low	-	-	Manage in Place	
Roof	Around vent grills and roof flashing	Old White Caulking	Confirmed	Non-Friable	Good	Easy	Low	-	-	Manage in Place	
Roof	Around vent grills and roof flashing	Dark Grey Caulking	Confirmed	Non-Friable	Good	Easy	Low	-	-	Manage in Place	

*As per O. Reg. 278/05, an asbestos record must indicate whether asbestos-containing materials (ACMs) are friable or non-friable, as friability influences the required work procedures for their disturbance or removal. However, for specific materials such as asbestos-containing drywall joint compound (DJC) and ceiling tiles (CT), the regulation provides prescriptive requirements regardless of friability. Consequently, this summary uses a dash (–) to indicate that friability is not applicable to DJC and CT.

Unit Legend

Unit Abbreviation	Description
SF	Square Feet
LF	Long Feet
N/A	Not Applicable
SM	Square Meter
LM	Long Meter
C	Count (quantity)

APPENDIX F

Designated Substances Area Inventory

Tabaret Hall, Ottawa, ON
Hazardous Materials Survey and 2025 Reassessment
Appendix F - Hazardous Containing Materials Checklist

CCO-252985-00

Floor/Level	Location	Type	Component	Colour	Condition	Manufacturer	Quantity #	Unit	Suspected/ Confirmed	Recommended Action	Comments
00	Throughout Level	Lead	Battery Pack	N/A	Good	N/A	-	-	Confirmed	Manage in Place	
00	L-Wing Window Frame	Lead	Paint	White	Good	N/A	Throughout	-	Confirmed	Manage in Place	
00	Room M093 (Stairwell F)	Lead	Paint	Beige	Good	N/A	Throughout	-	Confirmed	Manage in Place	
00	Room N003	Lead	Paint	OffWhite	Good	N/A	Throughout	-	Confirmed	Manage in Place	
00	Room N005	Mercury	Thermometers, Pressure Gauges, Float Switch	N/A	Good	N/A	3	C	Confirmed	Manage in Place	
00	Throughout Level	Mercury	Fluorescent Light Tubes	N/A	Good	Various	-	-	Confirmed	Manage in Place	
00	Throughout Level	Silica	Concrete, Mortar, Etc.	N/A	Good	N/A	-	-	Confirmed	Manage in Place	
0	Throughout Level	Lead	Battery Pack	N/A	Good	N/A	-	-	Confirmed	Manage in Place	
0	Throughout Level	Mercury	Fluorescent Light Tubes	N/A	Good	Various	-	-	Confirmed	Manage in Place	
0	Throughout Level	Silica	Concrete, Mortar, Etc.	N/A	Good	N/A	-	-	Confirmed	Manage in Place	
0	Room L040	Lead	Paint	Beige	Good	NA	Throughout	-	Confirmed	Manage in Place	
0	Room L070	Lead	Paint	Green	Good	NA	Throughout	-	Confirmed	Manage in Place	
0	Room L070C	Lead	Paint	Light Brown	Good	NA	Throughout	-	Confirmed	Manage in Place	
0	Room L070B	Lead	Paint	Beige	Good	N/A	Throughout	-	Confirmed	Manage in Place	

Floor/Level	Location	Type	Component	Colour	Condition	Manufacturer	Quantity #	Unit	Suspected/ Confirmed	Recommended Action	Comments
0	Room M084	Ozone Depleting Substances (ODS)	Refrigerator/Freezer/Mini-Fridge/Water Cooler	N/A	Good	Various	3	C	Confirmed	Manage in Place	R134A
0	Room M086	Lead	Paint	Pink	Good	N/A	Throughout	-	Confirmed	Manage in Place	
0	Room N0116	Ozone Depleting Substances (ODS)	Refrigerator/Freezer/Mini-Fridge/Water Cooler	N/A	Good	Frigidaire	2	C	Confirmed	Manage in Place	R134A
0	Room W021A	Lead	Paint	Blue	Good	N/A	Throughout	-	Confirmed	Manage in Place	
0	Room W027B	Ozone Depleting Substances (ODS)	Refrigerator/Freezer/Mini-Fridge/Water Cooler	N/A	Good	Kelvinator	1	C	Confirmed	Manage in Place	
0	Room W032	Ozone Depleting Substances (ODS)	Refrigerator/Freezer/Mini-Fridge/Water Cooler	N/A	Good	N/A	1	C	Confirmed	Manage in Place	
1	Throughout Level	Lead	Battery Pack	N/A	Good	N/A	-	-	Confirmed	Manage in Place	
1	Room C149	Lead	Paint	Pink	Good	N	-	-	Confirmed	Manage in Place	
1	Room L137	Lead	Paint	Pink	Good	N/A	10	SF	Confirmed	Manage in Place	
1	Throughout Level	Mercury	Fluorescent Light Tubes	N/A	Good	Various	-	-	Confirmed	Manage in Place	
1	Throughout Level	Silica	Concrete, Mortar, Etc.	N/A	Good	N/A	-	-	Confirmed	Manage in Place	
2	Throughout Level	Lead	Battery Pack	N/A	Good	N/A	-	-	Confirmed	Manage in Place	
2	Room 239	Lead	Paint	Beige	Good	N/A	-	-	Confirmed	Manage in Place	
2	Room 236	Lead	Paint	White	Good	N/A	-	-	Confirmed	Manage in Place	

Floor/Level	Location	Type	Component	Colour	Condition	Manufacturer	Quantity #	Unit	Suspected/ Confirmed	Recommended Action	Comments
2	Room 239, 238	Lead	Paint	Red	Good	N/A	-	-	Confirmed	Manage in Place	
2	Room M282	Lead	Paint	Beige/Tan	Good	N/A	Throughout	-	Confirmed	Manage in Place	
2	Room W261	Lead	Paint	Light Blue	Good	N/A	Throughout	-	Confirmed	Manage in Place	
2	Throughout Level	Mercury	Fluorescent Light Tubes	N/A	Good	Various	-	-	Confirmed	Manage in Place	
2	Throughout Level	Silica	Concrete, Mortar, Etc.	N/A	Good	N/A	-	-	Confirmed	Manage in Place	
2	Room C209	Ozone Depleting Substances (ODS)	Refrigerator/Freezer/Mini-Fridge/Water Cooler	N/A	Good	Amana	1	C	Confirmed	Manage in Place	
2	Room N207	Ozone Depleting Substances (ODS)	Refrigerator/Freezer/Mini-Fridge/Water Cooler	N/A	Good	Frigidaire	1	C	Confirmed	Manage in Place	R134A
3	Room L378J	Lead	Paint	Grey	Good	N/A	30	LF	Confirmed	Manage in Place	
3	Room L378J	Lead	Paint	White	Good	N	Throughout	-	Confirmed	Manage in Place	
3	Room N333A	Lead	Paint	OffWhite	Good	N/A	Throughout	-	Confirmed	Manage in Place	
3	Corridor Across C307/C317	Lead	Paint	Peach	Good	N/A	Throughout	-	Confirmed	Manage in Place	
Exterior	Exterior	Lead	Paint	Brown	Good	N/A	-	-	Confirmed	Manage in Place	
3	Throughout Level	Lead	Battery Pack	N/A	Good	N/A	-	-	Confirmed	Manage in Place	
3	Throughout Level	Mercury	Fluorescent Light Tubes	N/A	Good	Various	-	-	Confirmed	Manage in Place	

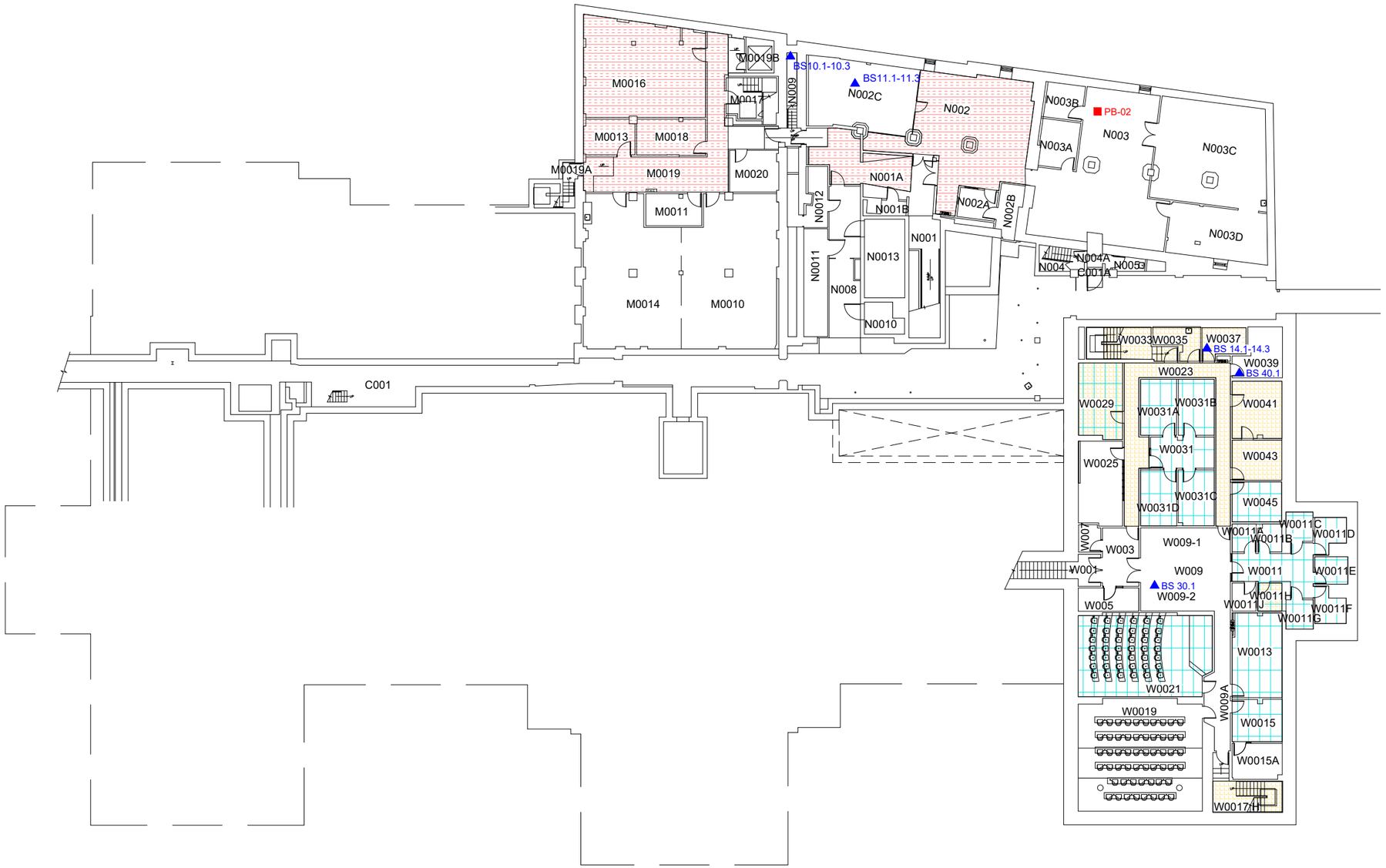
Floor/Level	Location	Type	Component	Colour	Condition	Manufacturer	Quantity #	Unit	Suspected/ Confirmed	Recommended Action	Comments
3	Throughout Level	Silica	Concrete, Mortar, Etc.	N/A	Good	N/A	-	-	Confirmed	Manage in Place	
3	M370E	Ozone Depleting Substances (ODS)	Refrigerator/Freezer/Mini-Fridge/Water Cooler	N/A	Good	N/A	1	C	Confirmed	Manage in Place	R134A
4	Throughout Level	Lead	Battery Pack	N/A	Good	N/A	-	-	Confirmed	Manage in Place	
4	Room C459	Lead	Paint	OffWhite	Good	N/A	Throughout	-	Confirmed	Manage in Place	
4	Throughout Level	Mercury	Fluorescent Light Tubes	N/A	Good	Various	-	-	Confirmed	Manage in Place	
4	Throughout Level	Silica	Concrete, Mortar, Etc.	N/A	Good	N/A	-	-	Confirmed	Manage in Place	

Unit Legend

Unit Abbreviation	Description
SF	Square Feet
LF	Long Feet
N/A	Not Applicable
SM	Square Meter
LM	Long Meter
C	Count (quantity)

APPENDIX G

Site Sampling & Location Plans



Legend:

▲ Asbestos Bulk Sample

■ Lead Paint Sample

Notes:

ACM plaster and drywall with ACM joint compound is present throughout

- ACM Ceiling Tile
- ACM Vinyl Floor Tile (VFT)
- ACM Mechanical Insulation
- ACM Loose Fill Insulation

REV	DATE	DESCRIPTION	BY

egis

750 Palladium Road, Suite 310, Kanata, ON K2V 1C7

Tel: 613-836-2184 Fax: 613-836-3742

Toll Free: 1.888.348.8991 www.egis-group.com

TABARET HALL

75 LAURIER AVENUE

BUILDING COMBINED

Dessin / Drawing:

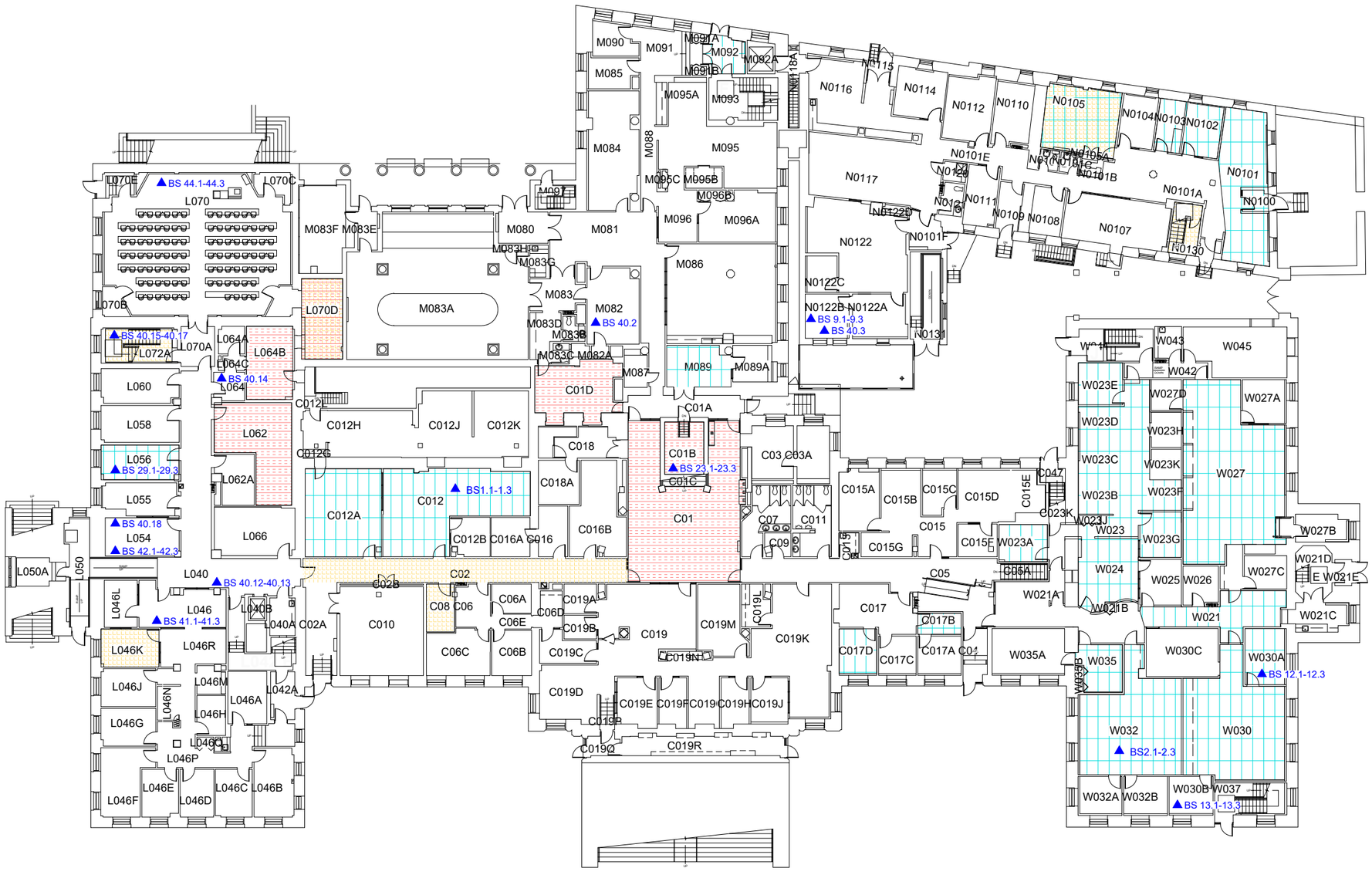
LEVEL 00

BUILDING COMBINATION

Édifice/Bldg			Niveau/Level:
----	060	----	0 ----
----	----	----	Feuille/Sheet:
Échelle/Scale:	Revision:		A-00
1:350	1		of/de

JB 08/06/2015

REV	DATE	DESCRIPTION	BY



Legend:

- ▲ Asbestos Bulk Sample
- ■ Lead Paint Sample

Notes:

ACM plaster and drywall with ACM joint compound is present throughout

- ACM Ceiling Tile
- ACM Vinyl Floor Tile (VFT)
- ACM Mechanical Insulation
- ACM Loose Fill Insulation

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TABARET HALL

75 LAURIER AVENUE

Dessin / Drawing:

LEVEL 0
BUILDING COMBINATION

BUILDING COMBINED

Édifice/Bldg	Niveau/Level:
---- 060 ----	0 ----
---- ---- ----	Feuille/Sheet:
Échelle/Scale: 1:350	Revision: 1

JB 08/06/2015 A-0 of/de

Legend:

- ▲ Asbestos BS-LeadSample
- ■ Lead Point Sample

*Asbestos containing plaster present throughout level.
*Asbestos containing drywall joint compound present throughout level.

- ACM Ceiling Tile
- ACM Vinyl Floor Tile (VFT)
- ACM Mechanical Insulation
- ACM Vinyl Sheet Flooring
- ACM Texture Coat

REV	DATE	DESCRIPTION	BY

egis
750 Palladium Road, Suite 310, Kanata, ON K2V 1C7
Tel: 613-836-2184 Fax: 613-836-3742
Toll Free: 1.888.348.8991 www.egis-group.com

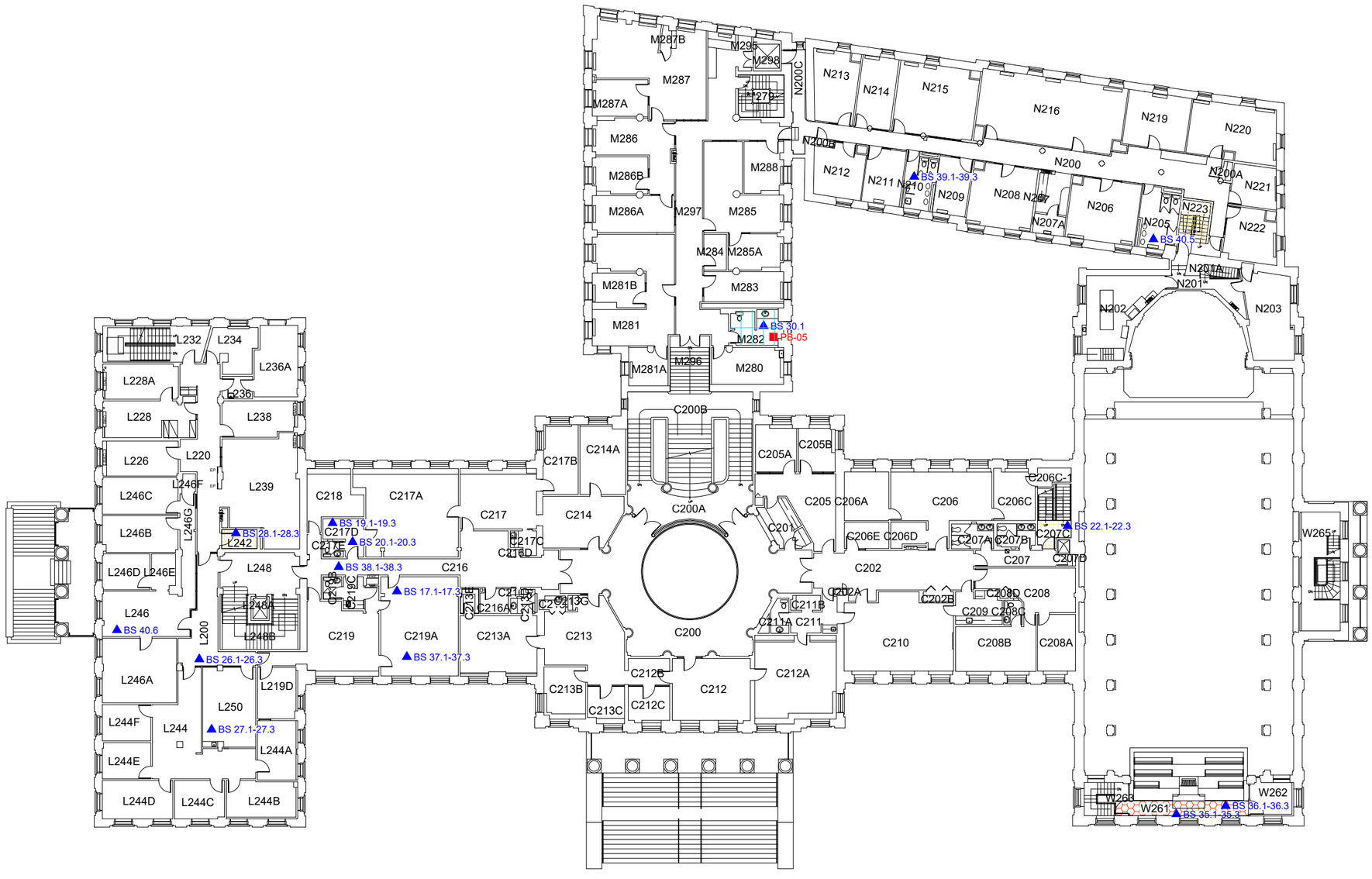
TABARET HALL
---
75 LAURIER AVENUE

BUILDING COMBINED

Dessin / Drawing:
LEVEL I
BUILDING COMBINATION

Édifice/Bldg	Niveau/Level:
---- 060 ----	0 ----
---- ---- ----	Feuille/Sheet: A-I
Échelle/Scale: 1:350	Revision: 1

JB 08/09/2015 of/de



Legend:

- ▲ Asbestos BS-LeadSample
- ■ Lead Point Sample

*Asbestos containing plaster present throughout level.
*Asbestos containing drywall joint compound present throughout level.

- ACM Ceiling Tile
- ACM Vinyl Floor Tile (VFT)
- ACM Window Caulking

REV	DATE	DESCRIPTION	BY

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TABARET HALL

75 LAURIER AVENUE

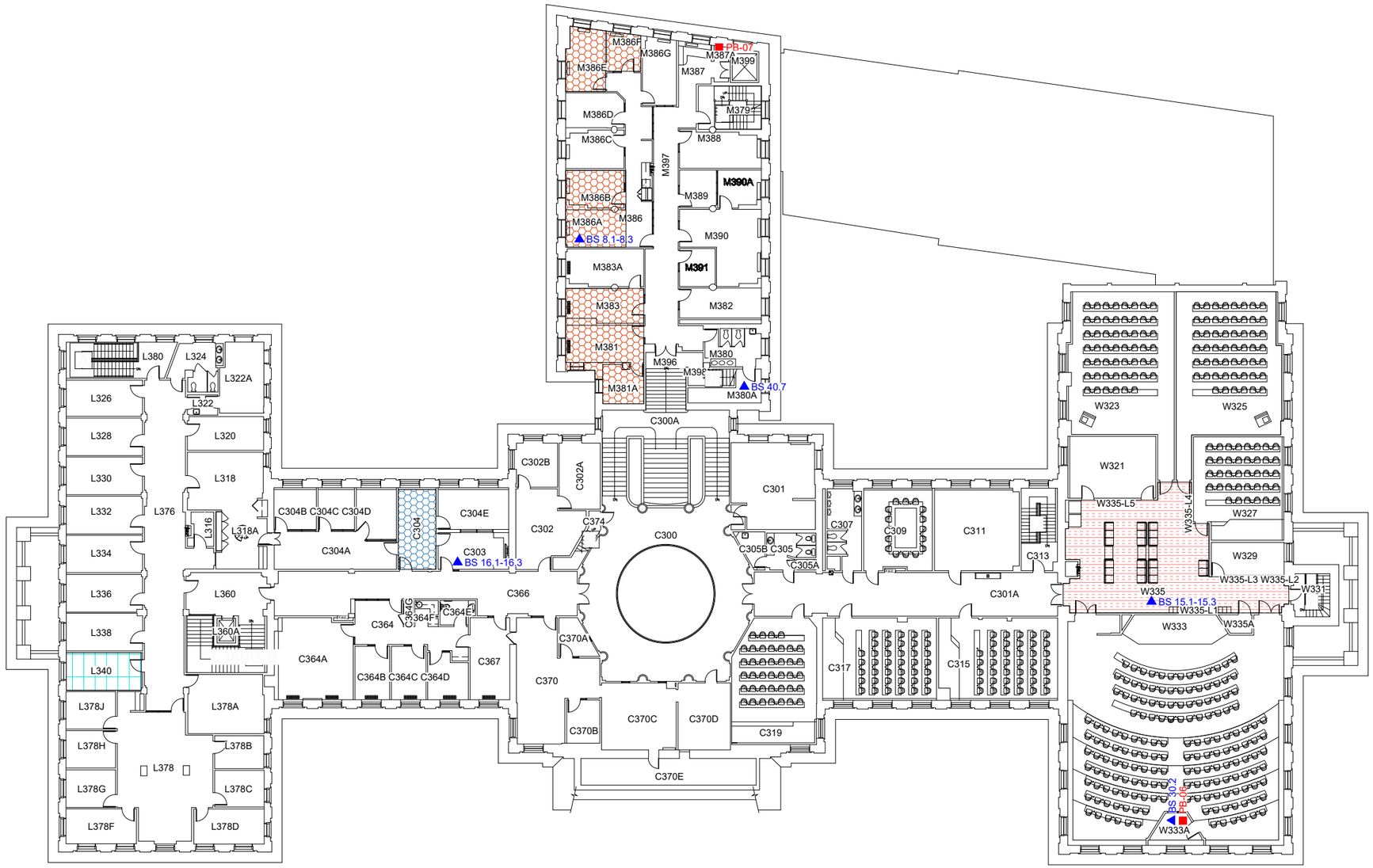
Dessin / Drawing:

LEVEL 2
BUILDING COMBINATION

BUILDING COMBINED

Édifice/Bldg			Niveau/Level:
----	060	----	0 ----
----	----	----	Feuille/Sheet:
Échelle/Scale: 1:350	Revision: 1		A-2 of/de

JB 08/08/2015



Legend:

- ▲ Asbestos BS-LeadSample
- ■ Lead Point Sample

*Asbestos containing plaster present throughout level.
*Asbestos containing drywall joint compound present throughout level.

- ACM Ceiling Tile
- ACM Mechanical Insulation
- ACM Window Caulking
- ACM Window Glazing

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TABARET HALL

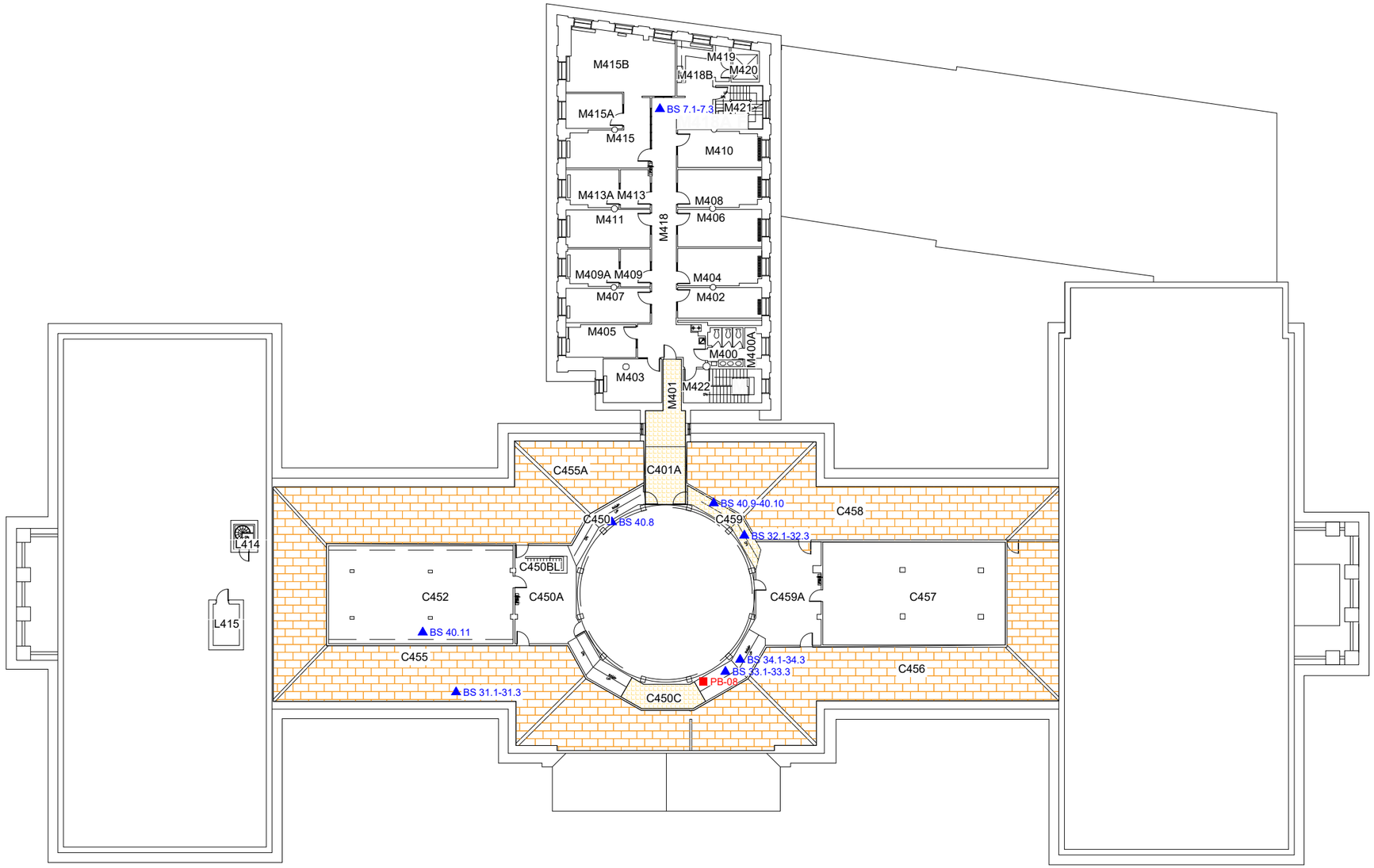
75 LAURIER AVENUE

Dessin / Drawing:
LEVEL 3
BUILDING COMBINATION

BUILDING COMBINED

Édifice/Bldg	Niveau/Level:
---- 060 ----	0 ----
Échelle/Scale: 1:350	Revision: 1
Feuille/Sheet: A-3 of/de	

JB 08/08/2015



Legend:

- ▲ Asbestos BS-LeadSample
- ■ Lead Point Sample

*Asbestos containing plaster present throughout level.
*Asbestos containing drywall joint compound present throughout level.

- ACM Brick Mortar
- ACM Vinyl Floor Tile (VFT)

REV	DATE	DESCRIPTION	BY

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TABARET HALL
75 LAURIER AVENUE

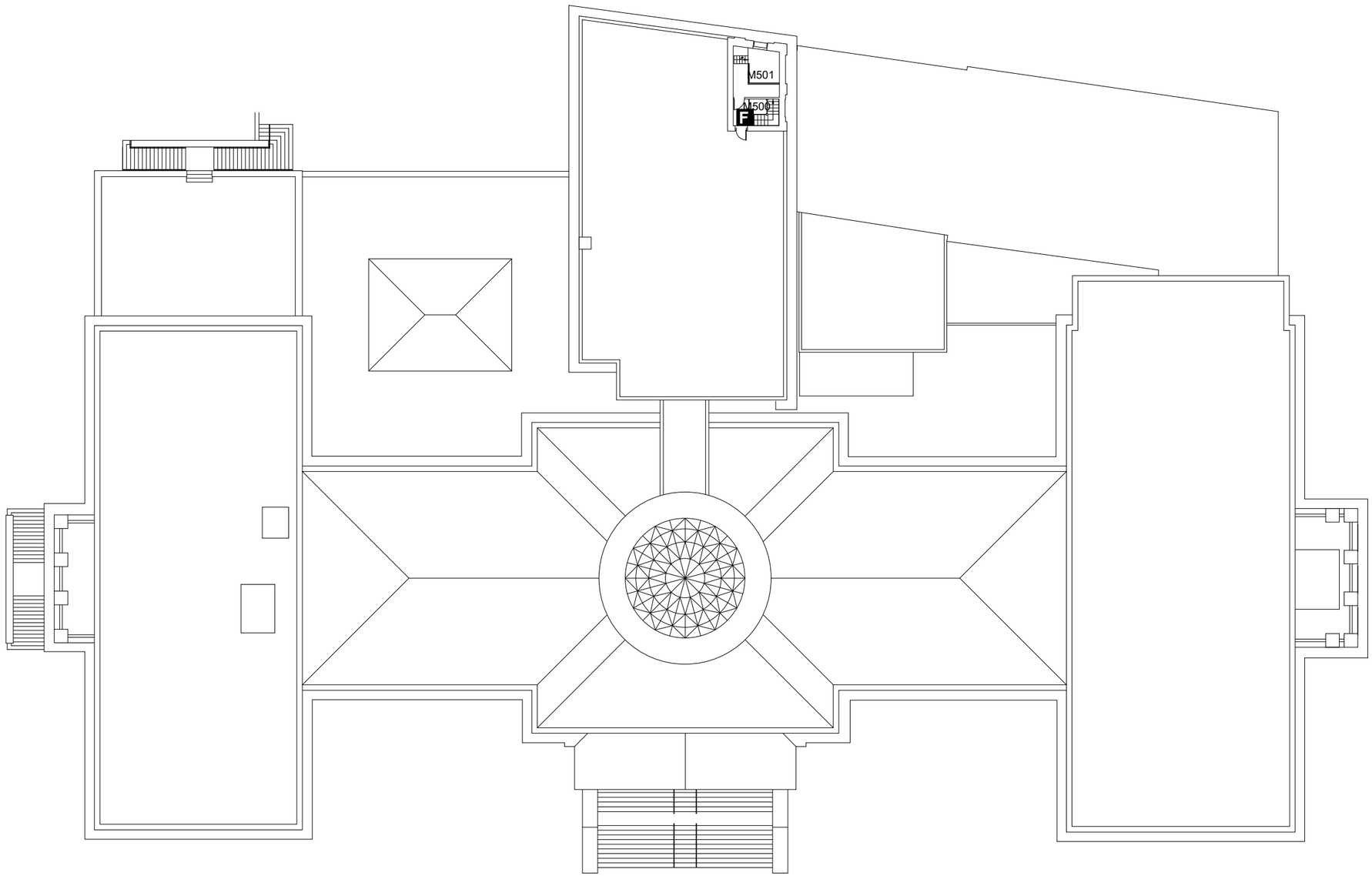
BUILDING COMBINED

Dessin / Drawing:
LEVEL 4
BUILDING COMBINATION

Édifice/Bldg	Niveau/Level:
---- 060 ----	0 ----
Échelle/Scale: 1:350	Revision: 1

Feuille/Sheet: A-4 of/de

JB 08/06/2015



Legend:

▲ Asbestos BS-LeadSample

■ Lead Point Sample

*Asbestos containing plaster present throughout level.
*Asbestos containing drywall joint compound present throughout level.

REV	DATE	DESCRIPTION	BY

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TABARET HALL

75 LAURIER AVENUE

BUILDING COMBINED

Dessin / Drawing:
LEVEL 4
BUILDING COMBINATION

Édifice/Bldg			Niveau/Level:
----	060	----	0 ----
----	----	----	Feuille/Sheet:
Échelle/Scale:	Revision:		A-4
1:350	1		of/de

JB 08/06/2015