DESIGNATED SUBSTANCES AND HAZARDOUS BUILDING MATERIALS ASSESSMENT

FINAL REPORT (REVISED)

Carl A. Pollock Hall, Building 29
3rd and 4th Floor Refresh WR53073
200 University Avenue West, Waterloo, Ontario



Prepared for:
University of Waterloo
200 University Avenue West, Waterloo, Ontario N2L 3G1

***Attention**: Jeff Wettlaufer, PMP, Project Manager, Architectural Design and Construction Services*

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October 30, 2026

Project No.: **10107.227**

EXECUTIVE SUMMARY

Access Environmental Solutions (Access) was retained by the University of Waterloo (UofW / Client) to complete an assessment for designated substances and hazardous building materials at Carl A. Pollock Hall (CPH), Building 29 located at 200 University Avenue West, Waterloo, Ontario.

The assessment was completed to meet the requirements of the Ontario Occupational Health and Safety Act and its Regulations in advance of extensive renovations to the third and fourth floors.

The assessment was completed by Access on January 22 and 23, March 5 and 31 and April 24 and 29, 2026. The assessors were unaccompanied and the subject area was partially occupied during the Access site visit.

KEY FINDINGS

Designated substances and hazardous building materials were identified to be present as summarized below.

Asbestos (Confirmed)

Asbestos was confirmed to be present in the following building materials:

- sprayed fireproofing
- residual sprayed fireproofing (see note below)
- sprayed fireproofing debris
- suspended ceiling tiles
- vinyl floor tiles
- mastic associated with vinyl floor tiles
- floor levelling compounds
- drywall joint-fill compound (walls and ceilings)
- block wall primer
- window butyl
- parging cement fitting insulation

Asbestos (Presumed)

Asbestos is presumed to be present in the following building materials:

- residual sprayed fireproofing in brick, block wall cavities and interstitial spaces
- vinyl floor tile
- mastic / drywall pucks behind drywall
- fire doors (core inaccessible)
- black boards
- flex duct connectors

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In addition to the above, please note the following:

- Asbestos-containing sprayed fireproofing debris (friable) is present on structural components and the deck within the ceiling space in Corridor 3883. Debris observed on mechanical/electrical equipment and the ceiling grid system is fallen asbestos fireproofing. Entry into, or work within, this ceiling space should be completed using the prescribed controls under O. Reg. 278/05.
- As sprayed asbestos-containing fireproofing (friable) is present in the CPH building, the HVAC system components, including air-handling units, filters, coils/housings and rigid ductwork/plenums should be presumed contaminated with asbestos fibres. Any handling, cleaning, maintenance, removal, or alteration of these components constitutes asbestos work under O. Reg. 278/05 and should follow the prescribed controls.
- Given the presence of asbestos-containing sprayed fireproofing in the CPH building (with some areas since abated), it should be presumed that residual asbestos fireproofing may be concealed within wall cavities, including block wall cavities and interstitial spaces between brick and block walls.
- Residual asbestos-containing sprayed fireproofing was identified on structural surfaces within portions of the CPH project areas, including locations where newer, non-asbestos-containing sprayed fireproofing is present. The residual material was observed in varying quantities and is not consistently visible. Due to existing access restrictions and concealed conditions, its full extent could not be determined.

Refer to **Appendix 3** for a summary of building components and materials that were assessed for asbestos and **Appendix 4** for a detailed summary of components and materials confirmed to contain and/or presumed to be asbestos containing.

Refer to **Appendix 5** for a room-by-room summary of major building components and associated findings.

Refer to Section 4.1.3 of the report for a list of additional building materials that if uncovered should be suspected to contain asbestos.

Lead

Lead is presumed to be present in the following materials:

- all paints and coatings
- batteries (i.e., emergency lighting, exit signs etc.)
- cable and wire sheathing
- cast iron pipe gaskets and connections
- glazing (i.e., ceramic tiles)
- solder used on domestic water lines, bell fittings for cast iron pipes, electrical equipment
- structural steel primer

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Mercury

Mercury is suspected to be present in the following materials:

- fluorescent light tubes (vapour form)
- compact fluorescent lights (vapour form)
- paints and adhesives (in stable form)

Silica

Silica may be present in the following materials common to buildings:

- concrete and cement
- masonry and mortar
- tiles (including clay, ceramic, concrete, etc.) and grout
- block walls
- ceiling tiles
- drywall
- paints

Polychlorinated Biphenyls (PCB)

PCBs may be present in fluorescent light ballasts that pre-date 1981.

Ozone-Depleting Substances (ODS)

No fixed ODS-containing equipment was observed to be present within the assessed area.

Mould

The following was observed which may be indicative of concealed mould growth:

- water damage on approximately 5 square feet of ceiling tile in Room 3603
- black staining on white pipe insulation (valve) in Mechanical Room 3983
- black staining on approximately 150 linear feet of CWR & CWS pipe wrap in Mechanical Room 3983, the ceiling space in Corridor 3883, and the ceiling space in Room 3682

Man-Made Mineral Fibres (MMMF)

The following man-made mineral fibre (MMMF) insulation was observed:

- fibreglass (glass wool) present in the wall cavities, ceiling plenums, mechanical systems

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SUMMARY OF RECOMMENDATIONS

General Recommendations

- A copy of this designated substances and hazardous building materials assessment report should be kept on the premises during the renovation process.
- In addition to specific recommendations provided below, apply the following good general work practices on construction/renovation projects:
  - Avoid dry-sweeping and use of compressed air for cleaning surfaces. Alternatively, high-efficiency particulate air (HEPA) vacuums are recommended for cleaning up dust settled on surfaces.
  - Implement good personal hygiene measures including:
    - prohibiting eating drinking or use of tobacco products in work areas
    - washing hands and face before eating, drinking, or smoking outside of work areas
    - changing into disposable or washable work clothes at the worksite
    - showering (if possible) and changing into clean clothes before leaving the worksite to prevent contamination of other work areas, cars, and homes
- Ensure workers have awareness training with respect to the hazards of asbestos, lead, silica, mercury and mould on a project.

Recommendations for Current Renovation Project

Asbestos

- Building materials excluded from the scope of this assessment or that could not be assessed due to limitations encountered at the time of the assessment, as noted in the report, should be investigated prior to disturbance. Refer to the report for details regarding this.
- Building materials confirmed and/or presumed to contain asbestos must be removed prior to disturbance in accordance with procedures prescribed in O. Reg. 278/05. Refer to **Appendix 3** and **Appendix 4** for removal recommendations.
- Safe work procedures satisfying the requirements of O. Reg. 278/05 should be implemented if the asbestos-containing materials and presumed asbestos-containing materials are not removed but may potentially be disturbed by any renovation, alteration, or maintenance work.
- *Sprayed fireproofing (original fireproofing contains asbestos):* Avoid disturbance. Due to the presence of asbestos containing sprayed fireproofing, any work within the ceiling space should be conducted in accordance with O. Reg. 278/05 Type 2 operations. If required, removal or disturbance of fireproofing should follow Type 2 operations for areas of 1 m² or less and Type 3 operations for areas greater than 1 m.

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- *Sprayed fireproofing residual (residual asbestos fireproofing sporadically concealed behind non-asbestos sprayed fireproofing):* Avoid disturbance. Due to the presence of asbestos containing residual sprayed fireproofing, any work that may disturb it should be conducted in accordance with O. Reg. 278/05 Type 2 operations for areas of 1 m² or less of residual fireproofing encountered and Type 3 operations for areas greater than 1 m².
- *Sprayed fireproofing debris (confirmed to contain asbestos):* Avoid disturbance. Due to the presence of asbestos-containing sprayed fireproofing debris, surfaces that may be disturbed by the planned work should be pre-cleaned prior to work commencing. Pre-cleaning should be completed following O. Reg. 278/05 Type 2 operations using HEPA vacuuming and wet wiping methods.
- *HVAC system (interior surfaces are presumed to be contaminated with asbestos fibres, present within HVAC system components including interior of rigid ducting, HVAC units, flex duct connectors, filters etc.)*: O. Reg. 278/05 Type 3 operations should be followed for the cleaning or removal of air handling equipment, including rigid ducting, but excluding filters where Type 2 operations apply.
- *Residual asbestos sprayed fireproofing (presumed present in wall cavities including block walls, interstitial spaces between block and brick etc.)*: Avoid disturbance. Removal of masonry and block walls to create openings should be conducted in accordance with O. Reg. 278/05 Type 2 operations for areas with 1 m² or less of residual fireproofing encountered and Type 3 operations for areas greater than 1 m². Where possible, incorporate block wall removal work within existing Type 3 work areas.
- *Suspended ceiling tiles (confirmed to contain asbestos)*: Follow O. Reg. 278/05 Type 1 operations for disturbance or removal/replacement of less than 7.5 m² (approximately ten 2′ × 4′ tiles). Follow O. Reg. 278/05 Type 2 operations for disturbance or removal/replacement of more than 7.5 m² (approximately ten 2′ × 4′ tiles).
- *Vinyl Floor Tile (confirmed and presumed to contain asbestos)*: When removing, follow O. Reg. 278/05 Type 1 operations using only handheld non-powered tools while wetting the material.
- *Vinyl Floor Tile Mastic (confirmed and presumed to contain asbestos):* Follow O. Reg. 278/05 Type 2 operations when using mechanical methods (e.g., grinders, etc.) with HEPA-filtered dust-collecting devices; otherwise, Type 3 operations apply.
- *Levelling compound (confirmed to contain asbestos and likely concealed throughout the subject area beneath flooring):* Remove levelling compound following O. Reg. 278/05 Type 2 operations using mechanical methods (e.g., grinders, etc.) with HEPA-filtered dust-collecting devices; otherwise, Type 3 operations apply. Dispose of flooring material with adhered levelling compound as asbestos waste.

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- *Drywall (confirmed to contain asbestos joint-fill compound and present throughout the subject area):* Follow O. Reg. 278/05 Type 1 operations for disturbance or removal of less than 1 m² of drywall containing asbestos joint-fill compound. Follow O. Reg. 278/05 Type 2 operations for disturbance or removal of more than 1 m² of drywall containing asbestos joint-fill compound.
- *Mastic pucks (presumed to contain asbestos and suspected behind drywall on concrete walls, columns, and block walls):* Remove following O. Reg. 278/05 Type 1 operations using only non-powered, hand-held tools with wetting. Alternatively, removal may be conducted as a Type 2 operation using grinders equipped with HEPA-filtered dust-collecting devices; otherwise, Type 3 operations apply.
- *Block wall primer (present throughout the subject area contains asbestos)*: Avoid disturbance. If disturbance is likely, follow O. Reg. 278/05 Type 2 operations using power tools attached to a HEPA filtered dust collection system when disturbing block walls with asbestos primer and possibly concealed sprayed fireproofing debris within wall cavities, otherwise higher-level operations are required
- *Window butyl (contains asbestos, where present on select windows)*: Avoid disturbance. If disturbance is likely, remove following O. Reg. 278/05 Type 1 operations using only non-powered handheld tools while wetting the material.
- *Parging cement fitting insulation (contains asbestos, present in various areas)*: Avoid disturbance. If disturbance is likely, remove following O. Reg. 278/05 Glove Bag operations.
- *Blackboard (presumed to contain asbestos, where present in subject area)*: When removing, follow O. Reg. 278/05 Type 1 operations using only handheld non-powered tools while wetting the material.
- *Fire Door Core (presumed to contain asbestos, present at various locations)*: Avoid disturbance. If disturbance is likely, test for asbestos. Disturbance of presumed and confirmed asbestos containing materials should follow O. Reg. 278/05 requirements based on condition and friability of the material.
- *Gaskets, sheet type on flanges (presumed to contain asbestos, where present within the subject area)*: Avoid disturbance. If disturbance is likely, test for asbestos. Gaskets confirmed or presumed to contain asbestos should be removed following O. Reg. 278/05 Type 1 operations using only non-powered handheld tools while wetting the material.
- In accordance with O. Reg. 278/05, work involving ceiling tiles, drywall or friable asbestos-containing materials must be classified based on the total area worked on consecutively within a room or enclosed area, even where the work is divided into smaller jobs.
- If suspect asbestos-containing materials are uncovered during renovation/construction work, work that may disturb the material should stop immediately. Samples of the materials should be collected and tested for asbestos content. Materials confirmed to contain asbestos should be

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removed prior to further disturbance in accordance with O. Reg. 278/05 work procedures. Alternatively, the suspect materials can be presumed to be asbestos-containing and removed following O. Reg. 278/05 work procedures. If a sprayed-on friable material is uncovered and presumed to contain asbestos, the material should be treated as though it contains a type of asbestos other than chrysotile and removed as such in accordance with O. Reg. 278/05 work procedures.

- Where any of the following materials are encountered, suspected to contain asbestos and disturbance is expected, contact the UofW Project Manager to coordinate asbestos testing. Confirmed and presumed asbestos-containing materials should be managed in accordance with O. Reg. 278/05:
  - concealed insulation within wall cavities
  - primers or other surface coatings on block or concrete walls
  - de-energized electrical equipment
- In accordance with the requirements of O. Reg. 278/05, the Ministry of Labour, Joint Health and Safety Committee, building owner(s) and contractors should be notified when previously unidentified friable material that is confirmed to be asbestos-containing (i.e., Aircell® pipe insulation, parging cement pipe fitting insulation, etc.) is discovered during demolition and construction work.
- It is recommended that a qualified asbestos consultant monitor and document abatement operations.
- Air monitoring by a qualified asbestos consultant should be considered in occupied spaces adjacent to asbestos abatement work prior to and during abatement operations.
- Clearance air monitoring is a regulated requirement for O. Reg. 278/05 Type 3 operations.
- The asbestos record should be updated upon completion of any remedial or abatement operations.

Lead

- The safe work practices provided in the following documents should be followed for the disturbance of lead-containing materials:
  - “Lead on Construction Projects”, Ministry of Labour, April 2011
  - “Lead Guideline for Construction, Renovation, Maintenance or Repair”, Environmental Abatement Council of Canada (EACC), October 2014
- If encountered, loose and flaking paints presumed to contain lead should be cleaned-up and disposed of in accordance with the requirements of O. Reg. 347/90, the Ontario waste management regulation.

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- Building materials containing lead should be tested for leachable lead prior to disposal as they may be subject to classification as hazardous waste.
- Lead-containing batteries should be recycled when taken out of service.

Mercury

- Avoid damage to mercury-containing equipment.
- Complete removal of mercury-containing equipment is required when the equipment is taken out of service or prior to renovation or demolition work.
- Mercury-containing equipment can be sent for recycling.
- Mercury is a hazardous waste and should be disposed of in accordance with the requirements of O. Reg. 347/90.

Silica

- The safe work practices provided in the following document should be followed for the disturbance of silica-containing materials:
  - “Silica on Construction Projects”, Ministry of Labour, April 2011

Polychlorinated Biphenyls (PCB)

- Prior to decommissioning, verify the PCB content of lighting ballasts using the Environment Canada publication entitled “Identification of Light Ballasts Containing PCBs”, 1991. Based on this publication, ballasts date coded after 1980 should not contain PCBs.
- Confirmed PCB-containing ballasts should be handled, stored and disposed of in accordance with applicable federal and provincial regulations.
- The end-of use deadlines set by the Federal PCB Regulation (SOR/2008-273) require the decommissioning of PCB-containing lamp ballasts (i.e., > 50 mg/kg) by 2025.

Ozone-Depleting Substances (ODS)

Recommendation not required.

Mould

- Mould abatement work should be undertaken where mould-impacted building materials were identified. The work should be completed by specialized mould abatement contractors following the safe work practices and precautions provided in the Environmental Abatement Council of Canada (EACC) publication entitled “EACC Mould Abatement Guideline”, Edition 3, (2015).
- Remove mould-impacted pipe insulation within the Mechanical Room 3983 work area, Corridor 3883 and Room 3982 following EACC Level 2 procedures. Additional asbestos precautions are required in Mechanical Room 3983 to avoid disturbance of fallen asbestos-containing sprayed fireproofing and to prevent additional fireproofing from being dislodged during removal work.

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Similar asbestos precautions are required for work in Corridor 3883, where fallen asbestos-containing sprayed fireproofing is present. Refer to the project abatement specifications for detailed requirements.

Man-Made Mineral Fibres (MMMF)

Where disturbance of MMMF is expected, the following is recommended:

- Ensure airborne MMMF concentrations do not exceed applicable occupational exposure limits (OELs) under Ontario Regulation 833.
- Minimize disturbance of MMMF materials and avoid dry handling methods that may generate airborne fibres.
- Utilize engineering controls where feasible, including local exhaust ventilation and HEPA-filtered equipment during disturbance or removal activities.
- Use appropriate personal protective equipment (PPE), including at minimum a properly fitted N95 respirator (or equivalent), gloves, and eye protection.

The findings and recommendations provided in the Executive Summary must be read and understood within the context of the full report including all standard limitations.

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1.0 INTRODUCTION

Access Environmental Solutions (Access) was retained by the University of Waterloo (UofW / Client) to complete an assessment for designated substances and hazardous building materials at Carl A. Pollock Hall (CPH), Building 29 located at 200 University Avenue West, Waterloo, Ontario.

The assessment was completed to meet the requirements of the Ontario Occupational Health and Safety Act and its Regulations in advance of extensive renovations to the third and fourth floors.

In accordance with these requirements, the assessment is intended to identify designated substances and hazardous materials requiring special attention prior to their disturbance. The report identifies the presence of building materials that contain and/or are presumed to contain asbestos and other building-related designated substances.

Additionally, the report identifies the potential presence of hazardous building materials such as mould, polychlorinated biphenyls (PCB), ozone-depleting substances and man-made mineral fibres. These were included in the assessment as there are regulations, standards and best practices in place governing their management.

The assessment was completed by Access on January 22 and 23, March 5 and 31, and April 24 and 29, 2026. The assessors were unaccompanied and the subject area was partially occupied during the Access site visits.

2.0 ASSESSMENT APPROACH

2.1 Scope of Work

Access assessed the subject area for designated substances including asbestos, lead, mercury, and silica that may be incorporated in the building's structure and finishes.

Additionally, Access assessed for the following hazardous materials:

- Mould
- Polychlorinated Biphenyls (PCB)
- Ozone Depleting Substances (ODS)
- Man-made mineral fibres

The assessment excluded the following designated substances that are not typically incorporated into building materials:

- Arsenic
- Acrylonitrile
- Benzene
- Coke oven emissions

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- Ethylene oxide
- Isocyanates
- Vinyl chloride (i.e., monomer form)

A separate assessment may be required should any of the above-noted designated substances be used in processes within the Client's facilities.

2.2 Methodology

Details on the methodology that were used during the assessment are provided in **Appendix 1**.

2.3 Extent of the Assessment

The assessment was limited to the following areas:

Second Floor

- Rooms: 2374, 2374A-E
- Rooms: 2376, 2376A, 2376E, 2376F and 2376H

Third Floor

- Rooms: 3603, 3606, 3606A, 3679, 3681 & 3982
- Mechanical Room 3983
- Corridors: 3879 & 3883
- IT Closet: 3883A & IT Room 3976A
- Stairway: 3881

Fourth Floor

- Offices: 4310, 4312, 4314, 4316, 4318, 4320, 4322, 4324, 4326, 4328, 4330, 4332, 4334, 4336, 4343, 4345, 4347, 4349, 4351, 4353, 4355, 4357, 4359, 4361, 4363, 4364, 4365, 4366 & 4369
- Dept of Engineering Admin Office: 4301 [entrance area] & 4316B [vestibule]
- Rooms: 4360, 4362 & 4367
- Lab / Classroom: 4333 & 4335
- Corridors: 4316A & 4316C

2.4 Areas Not Inspected

The following areas were not accessible for inspection for the reasons provided:

- spaces above hard ceilings or within wall cavities without access hatches (concealed)
- Rooms 2376B-D, 2376G, 2376J & 2376K (locked)

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2.5 Standard Limitations

Unless explicitly included in the project scope of work, the assessment by Access excludes the following:

- sub-grade materials and equipment (i.e., buried storage tanks, drums, vessels, conduits, pipes etc.)
- concealed drywall and/or plaster finishes (i.e., behind new walls in renovated areas)
- interior surfaces of HVAC system components including ductwork (i.e., insulation, woven tape on duct joints, contamination etc.)
- building contents including non-fixed equipment, stored items, furniture, appliances, etc.
- building and structural components that are subject to damage if sampled
- energized equipment and systems
- areas deemed unsafe to enter due to structural damage, confined spaces etc.
- operational and process-related equipment including associated process chemicals and stored materials etc.

All quantities referenced within the report are approximate and should be verified by the user.

3.0 BACKGROUND INFORMATION

3.1 Relevant Documents

The following documents were provided to Access as part of this assessment:

- UofW asbestos database MS Excel spreadsheet filename: 29-Carl A Pollock Hall June 2023
- “Hazardous Building Materials Assessment, Building No. 29, 200 University Avenue West, Waterloo, Ontario”, by Safetech Environmental Ltd. (SEL), issued September 26, 2016, File #2-111015-001
- “Designated Substances and Hazardous Building Materials Assessment – Letter of Findings, Carl Pollock Hall (CPH), Building 29, Room 3652 Create Server Room Renovations WR52532”, prepared by Access Environmental Solutions (Access), dated August 26, 2023, Access File #10107.039
- “Designated Substances and Hazardous Building Materials Assessment – Letter of Findings, Carl Pollock Hall (CPH), Building 29, Rooms 2374A & 1319A, Proposed Foot Bath WR52898”, prepared by Access Environmental Solutions (Access), dated July 9, 2024, Access File #10107.129
- “Ceiling Space Review and Safe Access Plan for Inspections – Architectural Upgrades WR53073 Various Rooms, Carl A. Pollock Hall (CPH), Building 29”, prepared by Access Environmental Solutions (Access), dated October 28, 2024, Access File #10107.146
- “Designated Substances Survey, University of Waterloo CGB Roof Assessment and Planning WR#53488”, by Access Environmental Solutions (Access), Access File #10107.217 (current ongoing project, report is pending)

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- "Designated Substances and Hazardous Building Materials Assessment, Final Report, University of Waterloo, Carl Pollock Hall Rooms 4333 and 4335", by OnPoint Environmental Solutions Inc. (OnPoint), issued August 30, 2017, OnPoint File #100117.013
- "Designated Substances and Hazardous Building Materials Assessment, Final Report, University of Waterloo, CPH Building Arch/Eng Renovations, WR#41797", by OnPoint Environmental Solutions Inc. (OnPoint), issued January 24, 2018, OnPoint File #100117.036
- "Designated Substances and Hazardous Building Materials Assessment, Final Report, Carl Pollock Hall, Building 29 Rm 3606 WR39270", by OnPoint Environmental Solutions Inc., issued March 13, 2018, OnPoint File #100117.047
- "University of Waterloo, Carl A. Pollock Hall 3rd and 4th Floor Refresh" electrical, mechanical, architectural and structural design drawings created by Baird Simpson Neuert (BSN Architects), BSN Architects Project #: 2024-0711-10, Issued 2026/04/01

The reports provided Access with an understanding of proposed scope of work for planned renovations, limits of work areas and previously identified asbestos-containing materials.

3.2 Renovation Scope of Work

The University of Waterloo provided Access with the following information regarding the proposed renovations within the subject area under Client Project # WR53073:

- Work will affect areas on the 3rd and 4th floors. Refer to Section 2.3, Extent of Assessment, for the list of rooms and corridors included in the subject area.
- The subject area will be fully renovated in accordance with the project contract documents. The work will include the removal and disposal of building finishes and components, including flooring, ceiling tiles and T-bar support systems, demountable wood/metal and drywall partitions, and block walls. HVAC and electrical system upgrades are also anticipated.

3.3 Description of Assessed Area

The following describes existing conditions known to be present or encountered during the assessment:

Assessed / Subject Area		
Location	**General Information**	**Construction Materials**
Carl A. Pollock Hall (CPH), Building 29: - portions of 3rd & 4th floors - portion of 2nd floor (limited to ceiling)	- *usage*: post secondary school (incl.: classrooms, labs, offices, lounges, kitchenette, stairway and corridors) - *no. of levels*: 3 (2nd, 3rd & 4th floors) - *age (orig. construction): 1971* - *age (renovations)*: Part of the third floor was renovated in 2020; timing of other renovations is uncertain.	- *building structure*: concrete, steel, concrete blocks - *interior finishes*: concrete, suspended ceiling tiles, concrete blocks, brick, drywall - *flooring*: carpet, vinyl sheet flooring, vinyl floor tiles, terrazzo, concrete - *roofing system*: elastomeric coating (patio) - *structural insulation*: sprayed fireproofing - *heating & cooling*: HVAC, hot water system (boilers, radiators etc.)

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4.0 FINDINGS

The findings of the assessment for designated substances and hazardous building materials are provided below.

4.1 Asbestos

The assessment involved a review of each building component and material that was suspected to contain asbestos. For ease of reference, each component and material were assigned a unique "Building Component & Material" (BCM) number. A summary of all building components and materials that were assessed is provided in **Appendix 3**. The summary includes the following information:

- BCM Reference #
- identification of each building component or material under review
- a description of the material
- whether the material is friable or not (based on the definition provided in the asbestos regulation)
- sample reference numbers and analytical results
- comments
- photographs depicting the material or building component

Where asbestos was confirmed to be present, the following additional details were provided for each building component or material:

- Access Location ID Numbers (for cross reference with floorplans provided in **Appendix 2**)
- location/area description (i.e., common names for each room space)
- approximate quantity
- condition
- damaged quantity (as a percentage of the total quantity)
- accessibility (i.e., criterion for how easily the asbestos-containing material can be accessed by building occupants, maintenance workers etc.)
- visibility (i.e., whether the building materials are hidden from view versus those that are visible without opening hatches or removing ceiling tiles)
- comments
- recommendations for the management of the particular building component or material

A copy of the laboratory Certificate of Analysis for asbestos testing is provided in **Appendix 6**.

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4.1.1 Asbestos-Containing Materials (Confirmed)

Based on the findings of the assessment, asbestos was confirmed to be present in the following building materials:

- sprayed fireproofing
- residual sprayed fireproofing (see note below)
- sprayed fireproofing debris
- suspended ceiling tiles
- vinyl floor tiles
- mastic associated with vinyl floor tiles
- floor levelling compounds
- drywall joint-fill compound (walls and ceilings)
- block wall primer
- window butyl
- parging cement fitting insulation

4.1.2 Asbestos-Containing Materials (Presumed)

Asbestos is presumed to be present in the following building materials that were specifically observed during the assessment that are known to contain asbestos and/or materials that could not be sampled and tested due to limitations encountered:

- residual sprayed fireproofing in brick, block wall cavities and interstitial spaces
- vinyl floor tile
- mastic / drywall pucks behind drywall
- fire doors (core inaccessible)
- black boards
- flex duct connectors

In addition to the above, please note the following:

- Asbestos-containing sprayed fireproofing debris (friable) is present on structural components and the deck within the ceiling space in Corridor 3883. Debris observed on mechanical/electrical equipment and the ceiling grid system is fallen asbestos fireproofing. Entry into, or work within, this ceiling space should be completed using the prescribed controls under O. Reg. 278/05.
- As sprayed asbestos-containing fireproofing (friable) is present in the CPH building, the HVAC system, including air-handling units, filters, coils/housings and rigid ductwork/plenums should be presumed contaminated with asbestos fibres. Any handling, cleaning, maintenance, removal, or alteration of these components constitutes asbestos work under O. Reg. 278/05 and should follow the prescribed controls.

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- Given the presence of asbestos-containing sprayed fireproofing in the CPH building (with some areas since abated), it should be presumed that residual asbestos fireproofing may be concealed within wall cavities, including block wall cavities and interstitial spaces between brick and block walls.
- Residual asbestos-containing sprayed fireproofing was identified on structural surfaces within portions of the CPH project areas, including locations where newer, non-asbestos-containing sprayed fireproofing is present. The residual material was observed in varying quantities and is not consistently visible. Due to existing access restrictions and concealed conditions, its full extent could not be determined.

4.1.3 Asbestos-Containing Materials (Suspected)

The following building materials may contain asbestos but were not specifically observed during the assessment and may become uncovered during renovation or demolition activities:

- gaskets (sheet type on flanges)
- concealed caulking, sealants, mastics, adhesives
- electrical equipment and components including cables and wiring, insulating panels and papers, arc chutes, circuit breaker linings, bushings etc.
- Transite® cement products such as board or pipe/conduit (concealed)
- concealed insulation (i.e., thermal systems insulation, thermal or fire spray insulation, insulative linings, firestop etc.) in wall and ceiling cavities, attics, crawlspaces, chimneys, inside masonry cavities, interstitial spaces between masonry walls, within any mechanical equipment, inside fire doors etc.

These are listed as suspected materials **that require special attention should they be encountered during planned renovation activities**. If encountered, work that may disturb the material should stop immediately. Samples of the materials should be collected and tested for asbestos content. As noted in the recommendations section below, materials confirmed to contain asbestos should be removed prior to further disturbance in accordance with O. Reg. 278/05 work procedures.

Please refer to **Appendix 4** for a detailed summary of building components and materials that were confirmed or are presumed to contain asbestos.

Refer to **Appendix 5** for a room-by-room summary of major building components and associated findings.

4.2 Lead

4.2.1 Paint and Surface Coatings

All paint and surface applications are presumed to be lead-containing. Paints were noted to be in good condition throughout.

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4.2.2 Other Presumed Lead-Containing Materials

Lead is presumed to be present in the following building materials:

- batteries (i.e., emergency lighting, exit signs etc.)
- cable and wire sheathing
- cast iron pipe gaskets and connections
- glazing (i.e., ceramic tiles)
- solder used on domestic water lines, bell fittings for cast iron pipes, electrical equipment
- structural steel primer



Photo 1: Example of emergency signage presumed to contain lead batteries.

4.3 Mercury

Mercury is suspected to be present in the following materials:

- fluorescent light tubes (vapour form)
- compact fluorescent lights (vapour form)
- paints and adhesives (in stable form)

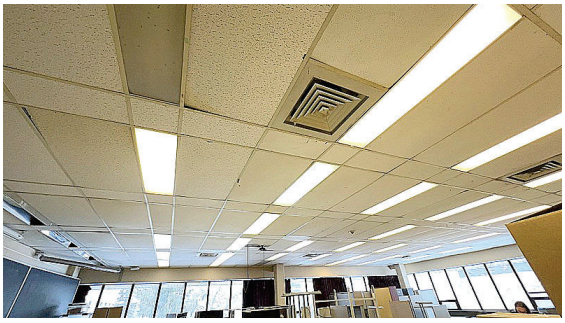


Photo 2: Example of fluorescent lights suspected to contain mercury vapour in tubes.



Photo 3: Example of compact fluorescent light tube suspected to contain mercury (vapour form).

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4.4 Silica

The following common building materials may contain crystalline silica and are present within the assessed area.

- concrete and cement
- masonry and mortar
- tiles (including clay, ceramic, concrete, etc.) and grout
- block walls
- ceiling tiles
- drywall
- paints

4.5 Polychlorinated Biphenyls (PCB)

PCBs may be present in fluorescent light ballasts that pre-date 1981.

4.6 Ozone Depleting Substances (ODS)

ODS-containing equipment was not observed to be present within the assessed area.

4.7 Mould

4.7.1 Indicators of Mould Growth

At the time of the assessment, the following indicators of the potential for mould growth were identified:

- Water damage on approximately 5 square feet of ceiling tile in Room 3603
- Black staining on white pipe insulation (valve) in Mechanical Room 3983
- Black staining on approximately 150 linear feet of CWR & CWS pipe wrap in Mechanical Room 3983, the ceiling space in Corridor 3883, and the ceiling space in Room 3682



Photo 4: Water damaged tile in Room 3603.



Photo 5: Black staining on valve insulation in Mechanical Room 3983.

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Photo 6: Black staining on pipe in ceiling space of Room 3682.



Photo 7: Black staining on pipe in ceiling space of Room 3682.

4.8 Man-Made Mineral Fibres (MMMF)

The following man-made mineral fibre (MMMF) insulation was observed:

- fibreglass (glass wool) present in the wall cavities, ceiling plenums, mechanical systems



Photo 8: Example of pink MMMF insulation in a wall cavity.



Photo 9: Example of yellow MMMF insulation on ductwork.

5.0 RECOMMENDATIONS

5.1 General Recommendations

The following general recommendations apply to the management of designated substances and hazardous materials identified at the subject area:

- A copy of this designated substances and hazardous building materials assessment report should be kept on the premises during the renovation process.
- In addition to specific recommendations provided below, apply the following good general work practices on construction/renovation projects:
    - Avoid dry-sweeping and use of compressed air for cleaning surfaces. Alternatively, high-efficiency particulate air (HEPA) vacuums are recommended for cleaning up dust settled on surfaces.
    - Implement good personal hygiene measures including:
        - prohibiting eating drinking or use of tobacco products in work areas
        - washing hands and face before eating, drinking, or smoking outside of work areas

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- changing into disposable or washable work clothes at the worksite
- showering (if possible) and changing into clean clothes before leaving the worksite to prevent contamination of other work areas, cars, and homes

- Ensure workers have awareness training with respect to the hazards of asbestos, lead, silica, mercury and mould on a project.

5.2 Recommendations for Current Renovation Project

5.2.1 Asbestos

- Building materials excluded from the scope of this assessment or that could not be assessed due to limitations encountered at the time of the assessment, as noted in the report, should be investigated prior to disturbance.
- Building materials confirmed and presumed to contain asbestos must be removed prior to disturbance in accordance with procedures prescribed in O. Reg. 278/05. Refer to **Appendix 3** and **Appendix 4** for removal recommendations.
- Safe work procedures satisfying the requirements of O. Reg. 278/05 should be implemented if the asbestos-containing materials and presumed asbestos-containing materials are not removed but may potentially be disturbed by any renovation, alteration, or maintenance work.
- *Sprayed fireproofing (original fireproofing contains asbestos):* Avoid disturbance. Due to the presence of asbestos containing sprayed fireproofing, any work within the ceiling space should be conducted in accordance with O. Reg. 278/05 Type 2 operations. If required, removal or disturbance of fireproofing should follow Type 2 operations for areas of 1 m² or less and Type 3 operations for areas greater than 1 m.
- *Sprayed fireproofing residual (residual asbestos fireproofing sporadically concealed behind non-asbestos sprayed fireproofing):* Avoid disturbance. Due to the presence of asbestos containing residual sprayed fireproofing, any work that may disturb it should be conducted in accordance with O. Reg. 278/05 Type 2 operations for areas of 1 m² or less of residual fireproofing encountered and Type 3 operations for areas greater than 1 m².
- *Sprayed fireproofing debris (confirmed to contain asbestos):* Avoid disturbance. Due to the presence of asbestos-containing sprayed fireproofing debris, surfaces that may be disturbed by the planned work should be pre-cleaned prior to work commencing. Pre-cleaning should be completed following O. Reg. 278/05 Type 2 operations using HEPA vacuuming and wet wiping methods.
- *HVAC system (interior surfaces are presumed to be contaminated with asbestos fibres, present within HVAC system components including interior of rigid ducting, HVAC units, flex duct connectors, filters etc.)*: O. Reg. 278/05 Type 3 operations should be followed for the cleaning or removal of air handling equipment, including rigid ducting, but excluding filters where Type 2 operations apply.

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- *Residual asbestos sprayed fireproofing (presumed present in wall cavities including block walls, interstitial spaces between block and brick etc.)*: Avoid disturbance. Removal of masonry and block walls to create openings should be conducted in accordance with O. Reg. 278/05 Type 2 operations for areas with 1 m² or less of residual fireproofing encountered and Type 3 operations for areas greater than 1 m². Where possible, incorporate block wall removal work within existing Type 3 work areas.
- *Suspended ceiling tiles (confirmed to contain asbestos)*: Follow O. Reg. 278/05 Type 1 operations for disturbance or removal/replacement of less than 7.5 m² (approximately ten 2′ × 4′ tiles). Follow O. Reg. 278/05 Type 2 operations for disturbance or removal/replacement of more than 7.5 m² (approximately ten 2′ × 4′ tiles).
- *Vinyl Floor Tile (confirmed and presumed to contain asbestos)*: When removing, follow O. Reg. 278/05 Type 1 operations using only handheld non-powered tools while wetting the material.
- *Vinyl Floor Tile Mastic (confirmed and presumed to contain asbestos):* Follow O. Reg. 278/05 Type 2 operations when using mechanical methods (e.g., grinders, etc.) with HEPA-filtered dust-collecting devices; otherwise, Type 3 operations apply.
- *Levelling compound (confirmed to contain asbestos and likely concealed throughout the subject area beneath flooring):* Remove levelling compound following O. Reg. 278/05 Type 2 operations using mechanical methods (e.g., grinders, etc.) with HEPA-filtered dust-collecting devices; otherwise, Type 3 operations apply. Dispose of flooring material with adhered levelling compound as asbestos waste.
- *Drywall (confirmed to contain asbestos joint-fill compound and present throughout the subject area):* Follow O. Reg. 278/05 Type 1 operations for disturbance or removal of less than 1 m² of drywall containing asbestos joint-fill compound. Follow O. Reg. 278/05 Type 2 operations for disturbance or removal of more than 1 m² of drywall containing asbestos joint-fill compound.
- *Mastic pucks (presumed to contain asbestos and suspected behind drywall on concrete walls, columns, and block walls):* Remove following O. Reg. 278/05 Type 1 operations using only non-powered, hand-held tools with wetting. Alternatively, removal may be conducted as a Type 2 operation using grinders equipped with HEPA-filtered dust-collecting devices; otherwise, Type 3 operations apply.
- *Block wall primer (present throughout the subject area contains asbestos)*: Avoid disturbance. If disturbance is likely, follow O. Reg. 278/05 Type 2 operations using power tools attached to a HEPA filtered dust collection system when disturbing block walls with asbestos primer and possibly concealed sprayed fireproofing debris within wall cavities, otherwise higher-level operations are required.
- *Window butyl (contains asbestos, where present on windows)*: Avoid disturbance. If disturbance is likely, remove following O. Reg. 278/05 Type 1 operations using only non-powered handheld tools while wetting the material.

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- *Parging cement fitting insulation (contains asbestos, present in various areas)*: Avoid disturbance. If disturbance is likely, remove following O. Reg. 278/05 Glove Bag operations.
- *Blackboard (presumed to contain asbestos, where present in subject area)*: When removing, follow O. Reg. 278/05 Type 1 operations using only handheld non-powered tools while wetting the material.
- *Fire Door Core (presumed to contain asbestos, present at various locations)*: Avoid disturbance. If disturbance is likely, test for asbestos. Disturbance of presumed and confirmed asbestos containing materials should follow O. Reg. 278/05 requirements based on condition and friability of the material.
- *Gaskets, sheet type on flanges (presumed to contain asbestos, where present within the subject area)*: Avoid disturbance. If disturbance is likely, test for asbestos. Gaskets confirmed or presumed to contain asbestos should be removed following O. Reg. 278/05 Type 1 operations using only non-powered handheld tools while wetting the material.
- In accordance with O. Reg. 278/05, work involving ceiling tiles, drywall or friable asbestos-containing materials must be classified based on the total area worked on consecutively within a room or enclosed area, even where the work is divided into smaller jobs.
- If suspect asbestos-containing materials are uncovered during renovation/construction work, work that may disturb the material should stop immediately. Samples of the materials should be collected and tested for asbestos content. Materials confirmed to contain asbestos should be removed prior to further disturbance in accordance with O. Reg. 278/05 work procedures. Alternatively, the suspect materials can be presumed to be asbestos-containing and removed following O. Reg. 278/05 work procedures. If a sprayed-on friable material is uncovered and presumed to contain asbestos, the material should be treated as though it contains a type of asbestos other than chrysotile and removed as such in accordance with O. Reg. 278/05 work procedures.
- Where any of the following materials are encountered, suspected to contain asbestos and disturbance is expected, contact the UofW Project Manager to coordinate asbestos testing. Confirmed and presumed asbestos-containing materials should be managed in accordance with O. Reg. 278/05:
    - concealed insulation within wall cavities
    - primers or other surface coatings on block or concrete walls
    - de-energized electrical equipment
- In accordance with the requirements of O. Reg. 278/05, the Ministry of Labour, Joint Health and Safety Committee, building owner(s) and contractors should be notified when previously unidentified friable material that is confirmed to be asbestos-containing (i.e., Aircell® pipe insulation, parging cement pipe fitting insulation, etc.) is discovered during demolition and construction work.

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- It is recommended that a qualified asbestos consultant monitor and document abatement operations.
- Air monitoring by a qualified asbestos consultant should be considered in occupied spaces adjacent to asbestos abatement work prior to and during abatement operations.
- Clearance air monitoring is a regulated requirement for O. Reg. 278/05 Type 3 operations.
- The asbestos record should be updated upon completion of any remedial or abatement operations.

5.2.2 Lead

- The safe work practices provided in the following documents should be followed for the disturbance of lead-containing materials:
  - "Lead on Construction Projects", Ministry of Labour, April 2011
  - "Lead Guideline for Construction, Renovation, Maintenance or Repair", Environmental Abatement Council of Canada (EACC), October 2014

  The guidelines referenced above provide specific recommendations for controlling lead hazards on construction projects including i) engineering controls; ii) work practices; iii) hygiene practices; iv) protective clothing and equipment; v) work classifications; vi) training; and, vii) medical surveillance.
- Lead exposure monitoring should be considered to determine the adequate level of protection that may be required, if any, for project-specific tasks that disturb lead-containing materials. In the absence of such monitoring, the use of personal protective equipment including respirators and implementation of other safe work practices are recommended to reduce the potential for over-exposure to lead dust.
- If encountered, loose and flaking paints presumed to contain lead should be cleaned-up and disposed of in accordance with the requirements of O. Reg. 347/90, the waste management regulation made under the Environmental Protection Act.
- Building materials containing lead should be tested for leachable lead prior to disposal as they may be subject to classification as hazardous waste.
- Lead-containing batteries should be recycled when taken out of service.

5.2.3 Mercury

- Avoid damage to mercury-containing equipment.
- Complete removal of mercury-containing equipment is required when the equipment is taken out of service or prior to renovation work.
- Mercury-containing equipment can be sent for recycling.
- Mercury is a hazardous waste and should be disposed of in accordance with the requirements of O. Reg. 347/90.

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5.2.4 Silica

- The safe work practices provided in the following document should be followed for the disturbance of silica-containing materials:
  - "Silica on Construction Projects", Ministry of Labour, April 2011

  The guideline provides specific recommendations for controlling silica hazards on construction projects including i) engineering controls; ii) work practices; iii) hygiene practices; iv) protective clothing and equipment; v) work classifications; vi) training; and, vii) medical surveillance.
- Silica exposure monitoring should be considered to determine the adequate level of protection that may be required, if any, for project-specific tasks that disturb silica-containing materials. In the absence of such monitoring, the use of personal protective equipment including respirators and implementation of other safe work practices, housekeeping and hygiene measures are recommended to reduce the potential for over-exposure to silica dust during drilling, cutting, grinding, sawing, sanding, scarifying, sweeping or other demolition activities that disturb silica-containing materials.
- The "Silica Control Tool", created and implemented by the Occupational Health Clinics for Ontario Workers Inc. (OHCOW), assists construction companies in managing silica exposure. By developing and providing an Exposure Control Plan, this tool helps reduce risks, safeguard workers, and enhance operational efficiency for companies handling silica. Refer to the following link for additional information OHCOW Silica Control Tool.

5.2.5 Polychlorinated Biphenyls (PCB)

- Prior to decommissioning, verify the PCB content of lighting ballasts using the Environment Canada publication entitled "Identification of Light Ballasts Containing PCBs", 1991. Based on this publication, ballasts date coded after 1980 should not contain PCBs.
- Confirmed PCB-containing ballasts should be handled, stored and disposed of in accordance with applicable federal and provincial regulations.
- The end-of use deadlines set by the Federal PCB Regulation (SOR/2008-273) require the decommissioning of PCB-containing lamp ballasts (i.e., > 50 mg/kg) by 2025.

5.2.6 Ozone-Depleting Substances (ODS)

No recommendation required.

5.2.7 Mould

- Mould abatement work should be undertaken where mould-impacted building materials were identified. The work should be completed by specialized mould abatement contractors following the safe work practices and precautions provided in the Environmental Abatement Council of Canada (EACC) publication entitled "EACC Mould Abatement Guideline", Edition 3, (2015).

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- Remove mould-impacted pipe insulation within the Mechanical Room 3983 work area, Corridor 3883 and Room 3982 following EACC Level 2 procedures. Additional asbestos precautions are required in Mechanical Room 3983 to avoid disturbance of fallen asbestos-containing sprayed fireproofing and to prevent additional fireproofing from being dislodged during removal work. Similar asbestos precautions are required for work in Corridor 3883, where fallen asbestos-containing sprayed fireproofing is present. Refer to the project abatement specifications for detailed requirements.

5.2.8 Man-Made Mineral Fibres (MMMF)

- Ensure airborne MMMF concentrations do not exceed applicable occupational exposure limits (OELs) under Ontario Regulation 833.
- Minimize disturbance of MMMF materials and avoid dry handling methods that may generate airborne fibres.
- Utilize engineering controls where feasible, including local exhaust ventilation and HEPA-filtered equipment during disturbance or removal activities.
- Use appropriate personal protective equipment (PPE), including at minimum a properly fitted N95 respirator (or equivalent), gloves, and eye protection.

6.0 CLOSURE

Limitations with respect to the assessment methodology are provided in **Appendix 1**.

The work performed by Access is conducted by trained professional and technical staff in accordance with generally accepted engineering and scientific practices current at the time and geographic location the work is performed.

The findings of the assessment represent the best technical judgment of Access based on the information made available by the Client and on the site conditions encountered by Access at the date and time the work was performed. The findings are limited to the areas assessed based on the mutually agreed to scope of work. The extent of the area that was assessed may be limited by various factors including building construction and conditions, subsurface conditions, concealed or obscured areas, weather, building usage, occupancy and other factors. Due to the nature of the investigation and the limited data available, Access cannot warrant against undiscovered environmental liabilities. Conclusions presented in the report or other information provided should not be construed as legal advice.

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We trust the report is in accordance with your expectations. If any conditions become apparent that differ significantly from our understanding of conditions as presented in this report, we request that we be notified immediately to reassess the conclusions provided herein.

Should you have any questions or require clarification on any aspect of this assessment, please feel free to contact the undersigned at any time.

Thank you for choosing Access.

Sincerely,

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APPENDIX 1

Regulations, Methodology
& References

1.0 REGULATORY FRAMEWORK

Under Ontario Regulation 490/09 (O. Reg.490/09) of the Occupational Health and Safety Act (OHSA), there are eleven designated substances that are regulated and must be controlled for on a construction, renovation or demolition project. Of the eleven substances, four are commonly associated with buildings. These include asbestos, lead, mercury and silica.

Under Section 30 of the OHSA, before beginning a project, an owner is obligated to determine whether any designated substances are present at the project site and to provide a list of designated substances to prospective contractors bidding on the work. Additionally, Ontario Regulation 278/05 (O. Reg. 278/05) specifically regulates the disturbance of asbestos-containing materials (ACM) on construction projects and requires building owners to inform contractors of the presence of ACMs prior to requesting tenders or contracting the work. Contractors are in turn obligated to inform their sub-contractors of the presence of these materials.

O. Reg. 278/05 defines asbestos-containing materials (ACM) as materials that contain 0.5 per cent or more asbestos by dry weight.

Regulations and guidelines are also in place for the management of hazardous materials such as mould, polychlorinated biphenyls (PCBs), ozone depleting substances (ODS) and man-made mineral fibres that may be present in a building and that can be potentially disturbed on a project.

2.0 GENERAL METHODOLOGY

Access undertook a room-by-room walkthrough of the subject area to assess each space for the presence of designated substances and hazardous materials that may be present in building materials based on the defined scope of work. Samples of building materials that were collected were submitted for laboratory analysis.

The assessment by Access was non-intrusive in nature (i.e., no demolition of building components such as walls, solid ceilings, finishes, under carpets, under multiple layers of flooring, inside masonry block walls etc. to view concealed spaces was performed). Ceiling and wall cavities were inspected where access hatches are present and accessible. The relocation of building contents such as shelving, wall mounted materials, stored items or other items restricting our ability to fully inspect areas was not undertaken.

Details on the methodology employed during the assessment are provided in the following sections.

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2.1 Asbestos

Access assessed the subject area for asbestos-containing building materials. During the assessment, representative samples of building materials that are suspected to contain asbestos were collected in accordance with the requirements of Ontario Regulation 278/05 (O. Reg. 278/05). The approach used to determine which building materials are suspected to contain asbestos and require confirmatory testing is based on an understanding of "last use" dates after which asbestos was banned or phased out for a particular type of building material plus a few years to allow for uncertainty.

The condition and approximate quantity of visually encountered potential asbestos-containing material (ACMs) were recorded along with information on the accessibility and visibility of the ACMs. These criteria were used in evaluating the presence and risk posed by the ACMs based on evaluation and risk criteria provided in the Public Works and Government Services Canada (PWGSC) document entitled "Deputy Ministers Directive 057 – Asbestos Management" (Last Revised June 16th, 1999).

Bulk samples collected were submitted for analysis following EPA 600/R-93/116 test method. The samples were submitted to EMC Scientific Inc. (EMC), a NVLAP[1] accredited laboratory. Building materials identified to be non-asbestos are subject to the limitations of the analytical method used.

The number of bulk samples collected is based on the requirements of O. Reg. 278/05 (Table 1, Bulk Material Samples). The regulation specifies the minimum number of samples of a particular building material that should be collected and tested to consider a material non-asbestos-containing. The number of samples will vary between 3 and 7 per set depending on the type of building material.

A "positive stop" option is used during the laboratory analysis of the bulk samples. The "positive stop" option involves consecutively testing a series of samples of a particular building material until test results indicate the presence of asbestos. When this occurs, the remaining samples are not tested. If none of the samples in a sample set test positive for asbestos, the building material under consideration is identified as non-asbestos. This is a cost-effective method of limiting the number of samples that are ultimately tested.

Depending on the project scope of work, age of construction and/or access limitations, some building materials may or may not be sampled and tested for asbestos content per the rationale provided in the following sections.

2.1.1 Roofing Materials

Roofing materials have been known to contain asbestos. The following common roofing products may contain asbestos: felts; flashing; underlayment; roofing paper; vapour retardants; mastic; adhesives; caulking; coatings; sealants; and decking.

[1] National Voluntary Laboratory Accreditation Program

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Intrusive sampling of roofing materials was not undertaken (not in scope).

2.1.2 Vermiculite

Vermiculite may contain asbestos depending on where the material was mined. Vermiculite sourced from the former Libby mine in Montana is known to have been contaminated with asbestos.

Intrusive sampling of building components (i.e., masonry block walls) was not undertaken.

2.1.3 Drywall Joint Compound

Drywall joint compound (DJC) may contain asbestos depending on the date of installation, particularly when installed before 1986, after which the use of asbestos-containing drywall joint compound was discontinued. Where historic information was not available to confirm the presence or absence of asbestos in DJC, samples were collected from locations where original drywall was likely to remain in place, such as exterior walls, columns and similar areas.

2.1.4 Mastics, Adhesives

Mastics and adhesives associated with flooring materials (i.e., carpet, vinyl floor tile, sheet flooring, baseboards etc.), wall or ceiling materials (acoustic tiles, wall board, paneling etc.) are known to contain asbestos.

Intrusive sampling of building components to collect sufficient amounts of mastics or adhesives was undertaken.

2.1.5 Caulking, Sealants, Putties

Caulking, sealants and putties are known to contain asbestos and were sampled based on project requirements. In occupied buildings, the damage was repaired using a silicone-based sealant.

2.1.6 Floor Levelling Compounds

Floor levelling compounds are known to potentially contain asbestos. Limited sampling was completed due to access restrictions and uncertainty regarding where levelling compound may have been applied. Complete removal of floor coverings would be required to fully assess and sample floor levelling compounds.

2.1.7 Electrical Equipment, Wiring and Components

Electrical equipment such as wiring insulation, switchgear panels, arc chutes, breakers, busbars, motor windings, transformers, and cables are known to contain asbestos. Sampling was not conducted for safety reasons, as the equipment was energized.

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2.1.8 Presumed Asbestos Containing Materials (PACM)

Building materials that were visually identified to be present and are widely known to contain asbestos or that are reasonably expected to be present and suspected to be asbestos-containing based on age of construction but that could not be sampled due to limitations of the assessment, project scope of work and/or methodology are listed herein as presumed asbestos-containing materials (PACM). These materials would require confirmatory testing to determine their asbestos content if they are uncovered. These would include but not be limited to the building materials listed within the body of the report.

2.2 Lead

Samples of paint applications and surface coating were not collected as to the agreed upon scope of work for this project. All paint applications are presumed to be lead-containing.

The potential presence of lead in equipment such as batteries, sheeting, flashing was recorded.

2.3 Mercury

Equipment, including thermostat switches, light tubes, pressure gauges etc. that are suspected to contain liquid mercury or mercury vapour were visually assessed. Equipment was not disassembled to determine the presence of mercury. Laboratory testing for mercury was not undertaken.

2.4 Silica

Building components (i.e., cement, concrete, ceramics, masonry, mortar etc.) that may contain crystalline silica were visually assessed and reported on but not quantified. Laboratory testing for crystalline content was not undertaken.

2.5 Polychlorinated Biphenyls

Electrical equipment suspected to contain PCBs were visually assessed and reported on based on the age of the equipment, equipment labels and/or historic information made available to Access. For health and safety reasons, the ballasts of individual lamp fixtures were not inspected as the fluorescent light fixtures may be energized. Laboratory testing of equipment and/or their contents was not undertaken.

2.6 Ozone Depleting Substances (ODS)

Fixed building equipment (i.e., coolers, air conditioners, chillers etc.) likely to contain ozone-depleting substances were identified based on manufacturer's labels, name plates and historic information provided by the Client.

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2.7 Mould

The presence of mould-impacted building materials was identified where visually accessible at the time of the assessment. Indicators of potential mould growth such as water damage, staining, delamination, and efflorescence were reported. Concealed areas were not assessed. Confirmatory bulk or air testing was not undertaken.

2.8 Man-Made Mineral Fibres (MMMF)

Man-made mineral fibres (MMMF) are synthetic inorganic fibrous materials (e.g., fibreglass, mineral wool, slag wool) commonly used for thermal and acoustic insulation in buildings and mechanical systems.

This assessment for MMMF consists of a visual inspection of accessible materials and building systems to identify the presence, general location, and apparent condition of MMMF (e.g., fiberglass, mineral wool).

Observations are limited to accessible areas at the time of inspection, with no intrusive investigation unless otherwise noted, and are intended to support planning for renovation, maintenance, or demolition activities.

This assessment does not include detailed fibre characterization, bulk sampling, or air monitoring for man-made mineral fibres (MMMF). Identification is based on visual inspection only, considering material appearance and typical application, with no intrusive investigation unless otherwise noted.

As such, this assessment provides a general indication of MMMF presence at the time of inspection and does not quantify airborne fibre concentrations or worker exposure levels.

3.0 REFERENCES

The assessment was completed based on information obtained from the following references:

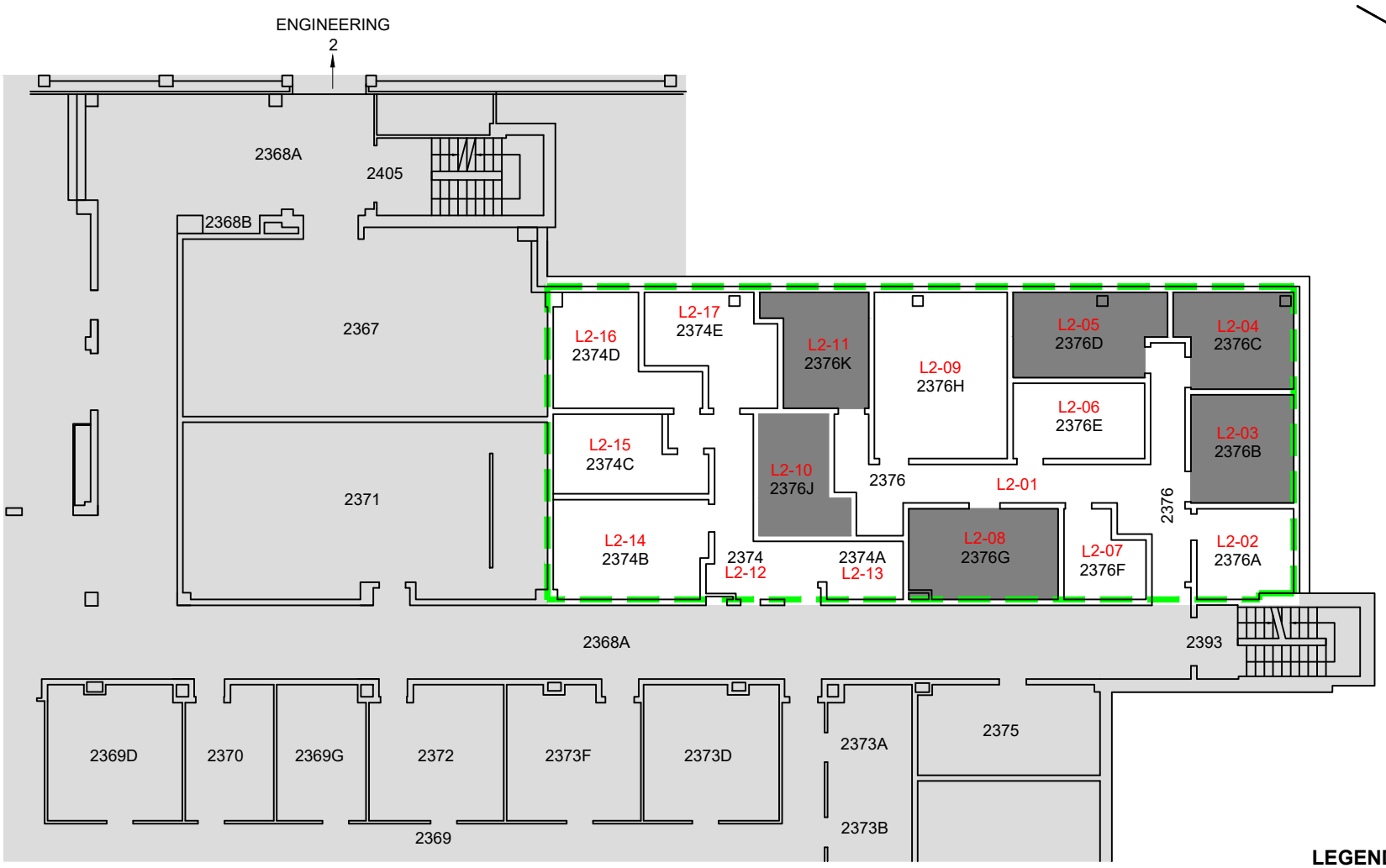
- Occupational Health and Safety Act, R.S.O. 1990
- Environmental Protection Act, R.S.O. 1990
- Designated Substance – Asbestos on Construction Projects and in Buildings and Repair Operations, Ontario Regulation 278/05
- Designated Substances, Ontario Regulation 490/09, Occupational Health and Safety Act
- General – Waste Management, Ontario Regulation 347/90, Environmental Protection Act
- Surface Coating Materials Regulations, SOR/2005-109, Hazardous Products Act
- Lead on Construction Projects, Ministry of Labour Guidance Document, Occupational Health and Safety Act
- Silica on Construction Projects, Ministry of Labour Guidance Document
- EACC Mould Abatement Guidelines, Edition 3 (2015)
- Alert – Mould in Workplace Buildings, Ontario Ministry of Labour

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APPENDIX 2

Floor Plans

Access Environmental Solutions © 2026



SECOND FLOOR
(PARTIAL)

LEGEND

- L# LOCATION IDs
- ASSESSED AREA
- NO ACCESS

NOTES:

1. **RESIDUAL ASBESTOS SPRAYED FIREPROOFING IS SUSPECTED TO BE PRESENT CONCEALED BEHIND NEWER NON-ASBESTOS FIREPROOFING IN ROOMS 2374, 2374A TO 2374E, 2376 & 2376A TO 2376K.**
2. **ASBESTOS-CONTAINING JOINT-FILL COMPOUND IS PRESENT ON DRYWALL WALLS, BULKHEADS, ENCLOSURES, AND SIMILAR ASSEMBLIES.**
3. **CONCEALED WALL CAVITIES AND PIPE CHASES THROUGHOUT THE RENO AREA ARE SUSPECTED TO CONTAIN ASBESTOS SPRAYED FIREPROOFING DEBRIS.**
4. **INTERIOR SURFACES OF ALL HVAC SYSTEM COMPONENTS INCLUDING DUCTWORK ARE PRESUMED TO CONTAIN ASBESTOS FIBRES.**
5. DRAWING CONTAINS COLOURED ELEMENTS THAT MAY NOT BE VISIBLE ON BLACK AND WHITE COPIES.
6. NOT ALL ASBESTOS-CONTAINING MATERIALS (ACM) MAY BE DEPICTED ON THE DRAWINGS. REFER TO THE REPORT FOR MORE INFORMATION.
7. DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO AN ACCESS ENVIRONMENTAL SOLUTIONS REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.

DESIGNATED SUBSTANCES AND HAZARDOUS BUILDING MATERIALS ASSESSMENT

CARL A. POLLOCK HALL (CPH), BUILDING 29, 3RD & 4TH FLOOR REFRESH WR53073

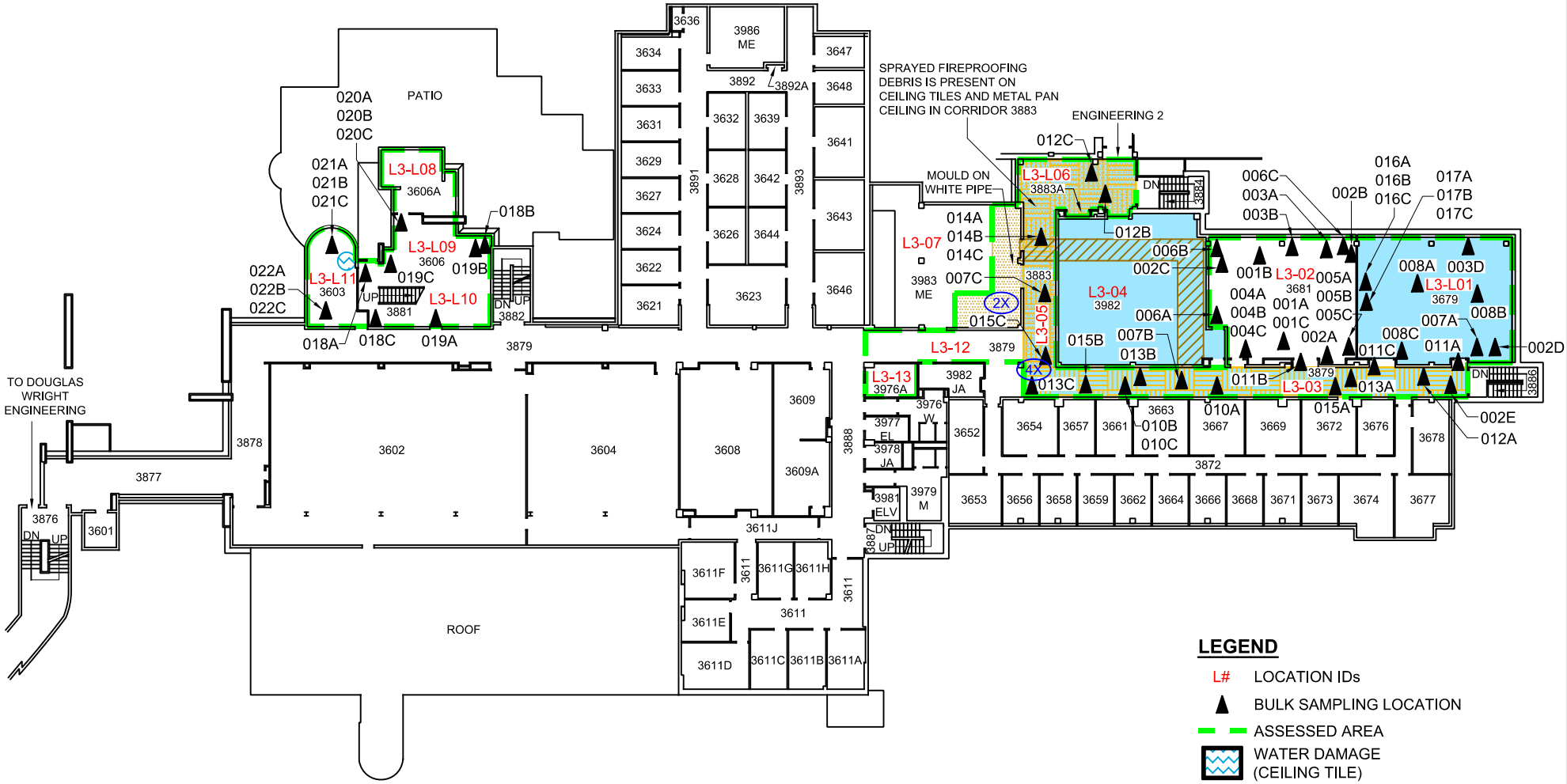
Client: UNIVERSITY OF WATERLOO, GENERAL SERVICES COMPLEX, 200 UNIVERSITY AVENUE WEST, WATERLOO, ONTARIO N2L 3G1

Project No.:	10107.227
Scale:	N.T.S.
Date:	26/06/25
Dwn. By:	CD AC2026060030 OK/CS
App'd By:	NN

Dwg. No.: 1

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LEGEND

- L# — LOCATION IDs
- BULK SAMPLING LOCATION
- ASSESSED AREA
- WATER DAMAGE (CEILING TILE)
- MOULD GROWTH ON PIPE INSULATION

ASBESTOS-CONTAINING MATERIALS

- (X#) — PARGING CEMENT FITTING INSULATION
- SPRAYED FIREPROOFING
- VINYL FLOOR TILE
- SUSPENDED CEILING TILE

THIRD FLOOR

NOTES:

1. **RESIDUAL ASBESTOS-CONTAINING SPRAYED FIREPROOFING IS SUSPECTED TO BE PRESENT, CONCEALED BEHIND NEWER NON-ASBESTOS FIREPROOFING, IN ROOMS 3603, 3606, 3606A, 3679, 3982, 3681, 3881, AND IN CORRIDOR 3879.**
2. **FIRE-RATED DOOR CORE INSULATION IS PRESUMED TO CONTAIN ASBESTOS.**
3. **ASBESTOS-CONTAINING JOINT-FILL COMPOUND IS PRESENT ON DRYWALL WALLS, BULKHEADS, ENCLOSURES, AND SIMILAR ASSEMBLIES.**
4. **CONCEALED WALL CAVITIES AND PIPE CHASES THROUGHOUT THE RENO AREA ARE SUSPECTED TO CONTAIN ASBESTOS SPRAYED FIREPROOFING DEBRIS.**
5. **LEVELLING COMPOUNDS CONTAINING ASBESTOS ARE SUSPECTED TO BE PRESENT BENEATH FLOORING.**
6. **INTERIOR SURFACES OF ALL HVAC SYSTEM COMPONENTS INCLUDING DUCTWORK ARE PRESUMED TO CONTAIN ASBESTOS FIBRES.**
7. DRAWING CONTAINS COLOURED ELEMENTS THAT MAY NOT BE VISIBLE ON BLACK AND WHITE COPIES.
8. NOT ALL ASBESTOS-CONTAINING MATERIALS (ACM) MAY BE DEPICTED ON THE DRAWINGS. REFER TO THE REPORT FOR MORE INFORMATION.
9. DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO AN ACCESS ENVIRONMENTAL SOLUTIONS REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.

DESIGNATED SUBSTANCES AND HAZARDOUS BUILDING MATERIALS ASSESSMENT

CARL A. POLLOCK HALL (CPH), BUILDING 29, 3RD & 4TH FLOOR REFRESH WR53073

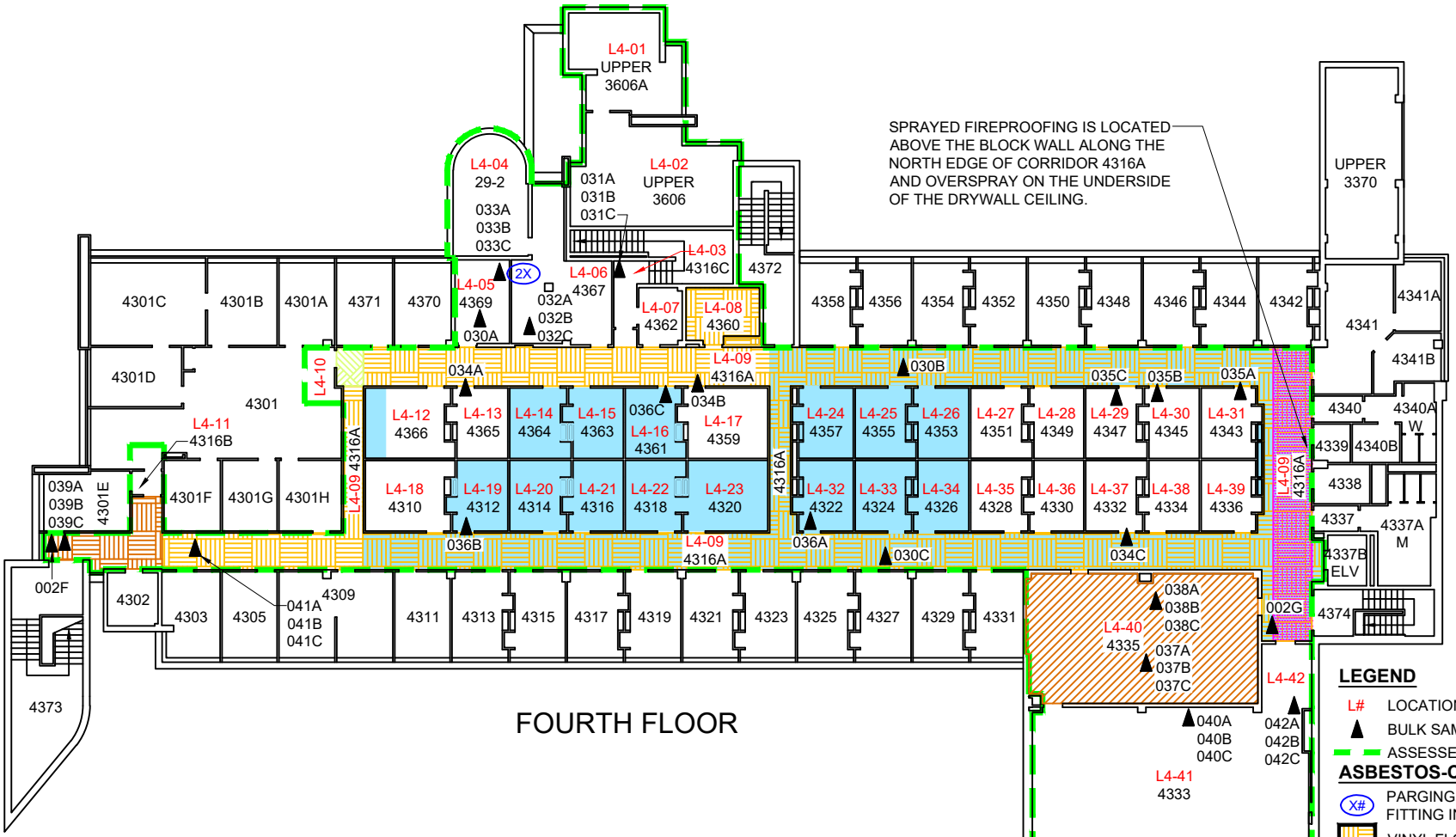
Client: UNIVERSITY OF WATERLOO, GENERAL SERVICES COMPLEX, 200 UNIVERSITY AVENUE WEST, WATERLOO, ONTARIO N2L 3G1

Project No.:	10107.227
Scale:	N.T.S.
Date:	26/06/25
Dwn. By:	CD AC2026060031 OK/CS
App'd By:	NN

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NOTES:

1. **RESIDUAL ASBESTOS-CONTAINING SPRAYED FIREPROOFING IS SUSPECTED TO BE PRESENT, CONCEALED BEHIND NEWER NON-ASBESTOS FIREPROOFING, IN ROOMS 4316C, 4362. 4367 AND 4369.**
2. **DRYWALL CEILINGS WITH ASBESTOS-CONTAINING JOINT-FILL COMPOUND ARE PRESENT THROUGHOUT THE FOURTH FLOOR ABOVE THE CEILING GRID FORMING PART OF THE FIRE SEPARATION ASSEMBLY.**
3. **FIRE-RATED DOOR CORE INSULATION IS PRESUMED TO CONTAIN ASBESTOS.**
4. **ASBESTOS-CONTAINING JOINT-FILL COMPOUND IS PRESENT ON DRYWALL WALLS, BULKHEADS, ENCLOSURES, AND SIMILAR ASSEMBLIES.**
5. **CONCEALED WALL CAVITIES AND PIPE CHASES THROUGHOUT THE RENO AREA ARE SUSPECTED TO CONTAIN ASBESTOS SPRAYED FIREPROOFING DEBRIS.**
6. **LEVELLING COMPOUNDS CONTAINING ASBESTOS ARE SUSPECTED TO BE PRESENT BENEATH FLOORING.**
7. **INTERIOR SURFACES OF ALL HVAC SYSTEM COMPONENTS INCLUDING DUCTWORK ARE PRESUMED TO CONTAIN ASBESTOS FIBRES.**
8. **WINDOW BUTYL, WHERE PRESENT IN OFFICES 4310 TO 4366, CONTAINS ASBESTOS.**
9. DRAWING CONTAINS COLOURED ELEMENTS THAT MAY NOT BE VISIBLE ON BLACK AND WHITE COPIES.
10. NOT ALL ASBESTOS-CONTAINING MATERIALS (ACM) MAY BE DEPICTED ON THE DRAWINGS. REFER TO THE REPORT FOR MORE INFORMATION.
11. DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO AN ACCESS ENVIRONMENTAL SOLUTIONS REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.

LEGEND

- L# — LOCATION IDs
- ▲ — BULK SAMPLING LOCATION
- ASSESSED AREA

ASBESTOS-CONTAINING MATERIALS

- X# — PARGING CEMENT FITTING INSULATION
- VINYL FLOOR TILE
- SUSPENDED CEILING TILE
- RESIDUAL FLOOR MASTIC
- VINYL FLOOR TILE AND MASTIC
- SPRAYED FIREPROOFING OVERSPRAY AND DEBRIS

PRESUMED ASBESTOS-CONTAINING MATERIAL

- VINYL FLOOR TILE

DESIGNATED SUBSTANCES AND HAZARDOUS BUILDING MATERIALS ASSESSMENT

CARL A. POLLOCK HALL (CPH), BUILDING 29, 3RD & 4TH FLOOR REFRESH WR53073

Client: UNIVERSITY OF WATERLOO, GENERAL SERVICES COMPLEX, 200 UNIVERSITY AVENUE WEST, WATERLOO, ONTARIO N2L 3G1

Project No.:	10107.227
Scale:	N.T.S.
Date:	26/06/25
Dwn. By:	CD AC2026060032 OK/CS
App'd By:	NN

Dwg. No.: 3

Access

APPENDIX 3

Building Components and Materials (BCM)
Assessed for Asbestos

Building Component and Materials (BCM) Inventory

BCM # 1 SPRAYED FIREPROOFING (SP-1)

Description: *Sprayed fireproofing (SF) on metal deck and beams above suspended ceiling tiles in Rooms 3679, 3681, 3682, Corridor 3879 & Corridor 4316A (south end).*

Colour: *Grey*

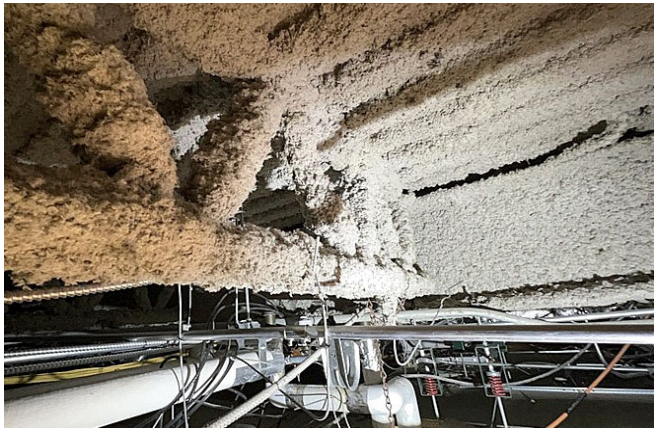
Friable: na

Samples: *001ABC, 013ABC, 039ABC*
CPH-S09ABCDE (UofW dB)
CPH-S13ABC
001ABC (Access 10107.146)

Lab Result: *None detected*

Comment: *Fireproofing tested does not contain asbestos (UofW dB & Access). Residual asbestos fireproofing is present (refer to BCM #5).*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
							Refer to BCM #5 regarding presence of residual asbestos sprayed fireproofing behind non-asbestos SF.	Refer to BCM #5.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:
nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 2 SPRAYED FIREPROOFING (SP-2)

Description: *Sprayed fireproofing on metal deck and beams above suspended ceiling tiles in Corridors 3883, Room 3883A and in Mechanical Room 3983.*

Colour: *White, Grey*

Friable: Yes

Samples: *014A*
33293-CPH-S03 (UofW dB)

Lab Result: *30% Chrysotile*
60% Chrysotile (UofW dB)

Comment: *Fireproofing tested contains asbestos. All mechanical, electrical, IT, ceiling grid and other systems and equipment surfaces within the ceiling space are contaminated with asbestos-containing sprayed fireproofing.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L3-03	Room 3883A	All	good	-	C	Yes		Follow Type 2 operations where less than 1 m² of material is removed or disturbed; otherwise, Type 3 operations apply.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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Building Component and Materials (BCM) Inventory

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L3-05	Corridor 3883	All	fair-poor	20%	D	Yes	All mechanical, electrical, IT, ceiling grid and other systems and equipment surfaces within the ceiling space are contaminated with asbestos-containing sprayed fireproofing.	Due to the presence of asbestos SF & debris, access to and working in ceiling space must follow O. Reg. 278/05 Type 2 operations. If < 1 m² of SF is disturbed or removed, follow Type 2 operations otherwise Type 3 operations apply.
L3-07	Mechanical Room 3983	All	good-fair	10%	D	Yes	Sprayed fireproofing debris / dust is visible accumulated on various surfaces including mechanical and electrical equipement.	Follow O. Reg. 278/05 Type 2 cleanup operations to cleanup SF dust and debris. If < 1 m² of SF is disturbed or removed, follow Type 2 operations otherwise Type 3 operations apply.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 3 SPRAYED FIREPROOFING (SP-3)

Description: *Sprayed fireproofing on metal deck and beams above suspended ceiling tile in Rooms 2374, 2374A-E, 2376, 2376A-K & Rooms 3603, 3606, 3606A, 3881 and Corridor 4316C, Rooms 4362, 4367 & 4369.*

Colour: *Green*

Friable: na

Samples: *CPH-S04ABCDE (UofW dB)*

Lab Result: *None detected*

Comment: *Fireproofing previously tested does not contain asbestos (UofW dB). Residual fireproofing presumed to contain asbestos is present concealed behind green tinted sprayed fireproofing (refer to BCM #5).*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
							Refer to BCM #5 regarding presence of residual asbestos sprayed fireproofing behind non-asbestos SF.	Refer to BCM #5.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 4 SPRAYED FIREPROOFING (SP-4)

Description: *Sprayed fireproofing on metal deck and beams above suspended ceiling tile in Room 4333.*

Colour: *Beige*
Friable: na

Samples: *CPH-S17ABC (UofW dB)*
Lab Result: *None detected*
Comment: *Fireproofing previously tested does not contain asbestos (UofW dB).*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
							Residual asbestos SF was not observed. If suspect residual SF is encountered, refer to BCM #5.	Refer to BCM #5 if suspect residual SF is encountered otherwise no action is required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 5 SPRAYED FIREPROOFING RESIDUAL (SPR-1)

Description: *Residual sprayed fireproofing sporadically concealed behind non-asbestos sprayed fireproofing on the metal deck and beams, mechanical / electrical systems above suspended ceilings at various locations throughout the renovation area.*

Colour: *Varies*

Friable: Yes

Samples: *015A.a.*
021ABC, 030ABC & 101ABC
005A (Access #10107.129)

Lab Result: *20% Chrysotile (015A.a)*
None detected (021ABC, 030ABC & 101ABC)
2% Chrysotile (Access #10107.129)

Comment: *Residual sprayed fireproofing (SF) was asbestos-containing at some tested locations and non-asbestos at others. Since they cannot be reliably differentiated visually, all residual SF should be presumed asbestos-containing.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation

Accessibility (Acc.)
A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)
Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:
nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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Building Component and Materials (BCM) Inventory

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L2-01 to L2-17	Rooms 2374, 2374A to 2374E, 2376, 2376A to K	-	-	-	-	-	Older residual asbestos sprayed fireproofing may be present.	Avoid disturbance. Follow Type 2 operations where less than 1 m² of residual SF is disturbed or removed; otherwise, Type 3 operations apply.
L3-01	Room 3679	-	-	-	D	-	Older residual asbestos sprayed fireproofing may be present.	Avoid disturbance. Follow Type 2 operations where less than 1 m² of residual SF is disturbed or removed; otherwise, Type 3 operations apply.
L3-03	Corridor 3879	-	-	-	D	-	Older residual asbestos sprayed fireproofing may be present.	Avoid disturbance. Follow Type 2 operations where less than 1 m² of residual SF is disturbed or removed; otherwise, Type 3 operations apply.
L3-04	Room 3982	-	-	-	D	-	Older residual asbestos sprayed fireproofing may be present.	Avoid disturbance. Follow Type 2 operations where less than 1 m² of residual SF is disturbed or removed; otherwise, Type 3 operations apply.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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Building Component and Materials (BCM) Inventory

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L3-08	Room 3606A	-	-	-	-		Older residual asbestos sprayed fireproofing may be present.	Avoid disturbance. Follow Type 2 operations where less than 1 m² of residual SF is disturbed or removed; otherwise, Type 3 operations apply.
L3-09	Room 3606	-	-	-	-	-	Older residual asbestos sprayed fireproofing may be present.	Avoid disturbance. Follow Type 2 operations where less than 1 m² of residual SF is disturbed or removed; otherwise, Type 3 operations apply.
L3-10	Room 3881		-	-	-	-	Older residual asbestos sprayed fireproofing may be present.	Avoid disturbance. Follow Type 2 operations where less than 1 m² of residual SF is disturbed or removed; otherwise, Type 3 operations apply.
L3-11	Room 3603	-	-	-	-		Older residual asbestos sprayed fireproofing may be present.	Avoid disturbance. Follow Type 2 operations where less than 1 m² of residual SF is disturbed or removed; otherwise, Type 3 operations apply.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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Building Component and Materials (BCM) Inventory

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L4-01	Room 3606A (upper)	-	-	-	-		Older residual asbestos sprayed fireproofing may be present.	Avoid disturbance. Follow Type 2 operations where less than 1 m² of residual SF is disturbed or removed; otherwise, Type 3 operations apply.
L4-02	Room 3606 (upper)	-	-	-	-	-	Older residual asbestos sprayed fireproofing may be present.	Avoid disturbance. Follow Type 2 operations where less than 1 m² of residual SF is disturbed or removed; otherwise, Type 3 operations apply.
L4-03	Room 4316C	-	-	-	-	-	Older residual asbestos sprayed fireproofing may be present.	Avoid disturbance. Follow Type 2 operations where less than 1 m² of residual SF is disturbed or removed; otherwise, Type 3 operations apply.
L4-05	Room 4369	-	-	-	-	-	Older residual asbestos sprayed fireproofing may be present.	Avoid disturbance. Follow Type 2 operations where less than 1 m² of residual SF is disturbed or removed; otherwise, Type 3 operations apply.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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Building Component and Materials (BCM) Inventory

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L4-06	Room 4367	-	-	-	-	-	Older residual asbestos sprayed fireproofing may be present.	Avoid disturbance. Follow Type 2 operations where less than 1 m² of residual SF is disturbed or removed; otherwise, Type 3 operations apply.
L4-07	Room 4362	-	-	-	-	-	Older residual asbestos sprayed fireproofing may be present.	Avoid disturbance. Follow Type 2 operations where less than 1 m² of residual SF is disturbed or removed; otherwise, Type 3 operations apply.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 6 SPRAYED FIREPROOFING DEBRIS (CEILING SPACES)

Description: *All mechanical, electrical, IT and other systems and equipment surfaces including surface of suspended ceiling tiles within the ceiling space of Corridors 3879 (portion of), 3883 & Mech. Rm. 3983.*

Colour: *Grey*
White

Friable: Yes

Samples: *014A*
33293-CPH-S03 (UofW dB)

Lab Result: *30% Chrysotile*
60% Chrysotile (UofW dB)

Comment: *All mechanical, electrical, IT, and other system and equipment surfaces within the ceiling space, including the upper surfaces of suspended ceiling tiles, are contaminated with asbestos-containing sprayed fireproofing.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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Building Component and Materials (BCM) Inventory

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L3-05	Corridor 3883	nq	debris (from friable ACM)	-	D	Yes	All mechanical, electrical, IT, ceiling grid and other systems and equipment surfaces within the ceiling space are contaminated with asbestos-containing sprayed fireproofing.	Due to the presence of asbestos sprayed fireproofing debris, work within the ceiling space must be undertaken following O. Reg. 278/05 Type 2 operations.
L3-07	Mechanical Room 3983	nq	debris (from friable ACM)	-	D	Yes	Some asbestos SF debris is present on the surfaces of mechanical / electrical equipment within the subject work area.	Prior to work, surfaces should be pre-cleaned following O. Reg. 278/05 Type 2 operations using HEPA vacuum and wet wiping methods (no enclosure required).

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 7 DRYWALL JOINT-FILL COMPOUND (CEILINGS)

Description: *Drywall ceilings are present throughout the fourth floor and serve as part of the fire separation assembly.*

Colour: *Off-white*

Friable: No

Samples: *003A*
CPH-S01ABCDEFGH (UofW dB)

Lab Result: *1.0% Chrysotile*
0.5% Chrysotile (UofW dB)

Comment: *The joint-fill compound associated with the drywall ceilings contains asbestos. Based on inspections completed at select locations, sprayed fireproofing does not appear to be present above the fourth-floor drywall ceilings.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L4-05	Room 4369	nq	good	-	D	Yes		Remove following O. Reg. 278/05 Type 2 operations.
L4-06	Room 4367	nq	good	-	D	Yes	Portion of the room has drywall ceiling in place.	Remove following O. Reg. 278/05 Type 2 operations.
L4-08	Room 4360	nq	good	-	D	Yes		Remove following O. Reg. 278/05 Type 2 operations.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
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PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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Building Component and Materials (BCM) Inventory

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L4-09	Corridor 4316A	nq	good	-	D	Yes		Remove following O. Reg. 278/05 Type 2 operations.
L4-10	Room 4301	nq	good	-	D	Yes		Remove following O. Reg. 278/05 Type 2 operations.
L4-11	Room 4316B	nq	good	-	D	Yes		Remove following O. Reg. 278/05 Type 2 operations.
L4-12 to L4-39	Offices 4310 to 4366	nq	good	-	D	Yes		Remove following O. Reg. 278/05 Type 2 operations.
L4-40	Room 4335	nq	good	-	D	Yes		Remove following O. Reg. 278/05 Type 2 operations.
L4-42	Room 4333	nq	good	-	D	Yes	Older drywall with asbestos joint compound may be present in the entrance way to Rm 4333. Remaining area of Room 4333 is not expected to contain asbestos in joint compound (post 1994 construction).	Remove following O. Reg. 278/05 Type 2 operations.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

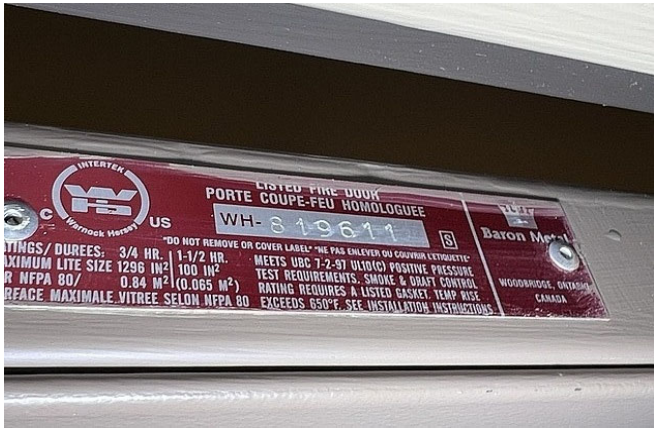
Notes:

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PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 8 FIRE RATED DOORS (CORE INSULATION)

Description: *Where present within subject area.*





Colour: *Varies*
Friable: PFM

Samples: *ns*
Lab Result: *PACM*
Comment: *Fire rated doors are presumed to contain asbestos until testing proves otherwise.*

Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
All	Where present throughout the subject area.	nq	good	-	-	-	-	Intrusive testing of the door cores should be undertaken when door is removed to determine if core insulation contains asbestos. Remove intact and dispose of fire-rated doors as per O. Reg. 278/05 requirements if core contains or is presumed asbestos.

Accessibility (Acc.)
A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)
Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:
nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
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F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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Building Component and Materials (BCM) Inventory

BCM # 9 RADIATORS

Description: *Where present within subject area.*





Colour: *Varies*
Friable: na

Samples: *ns*
Lab Result: *na*
Comment: *The radiators inspected were not observed to contain asbestos-containing materials*

Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
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BCM - buildng component and material
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BCM # 10 BRICK, BLOCK WALL CAVITIES AND INTERSITIAL SPACES

Description: *All interstitial spaces between brick and block walls, within cavities, pipe chases etc. throughout the subject area.*

Colour: -
Friable: Yes

Samples: *ns*
Lab Result: *PACM*
Comment: *Given the historical use of asbestos-containing sprayed fireproofing in CPH, older asbestos fireproofing may be concealed within wall cavities, even in newly renovated areas of the building.*

Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
All	Where present.	-	-	-	D	No	Asbestos fireproofing is suspected to be present in concealed wall cavities	Avoid disturbance. Follow Type 2 operations where less than 1 m² of concealed fireproofing debris is encountered, disturbed or removed; otherwise, Type 3 operations apply. Were possible, incorporate block wall removals in existing Type 3 operations.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

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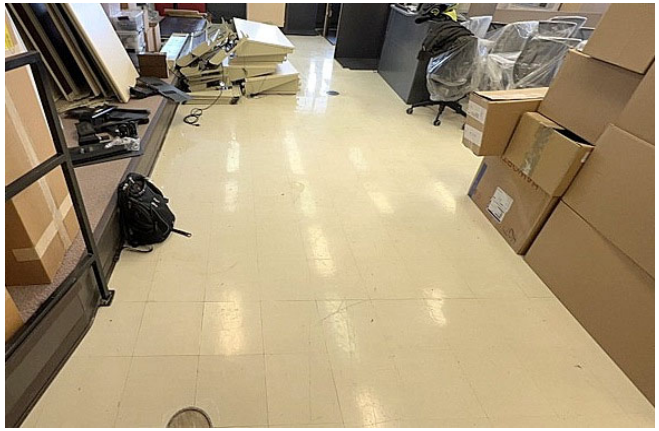
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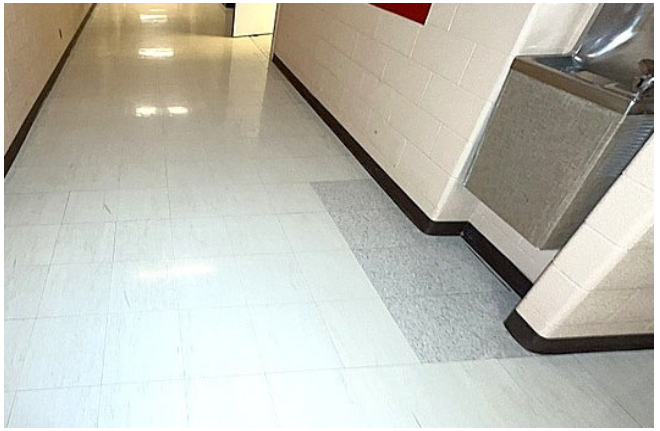
BCM # 11 VINYL FLOOR TILE (VFT-1)

Description: *12" x 12" beige vinyl floor tile with light green streaks.*

Colour: *Beige*
Friable: No

Samples: *CPH-S02ABC (UofW dB)*
Lab Result: *1% Chrysotile*
Comment: *Vinyl floor tiles previously tested contains asbestos (UofW dB).*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L3-01	Room 3679	90%	good	-	A	Yes	Several newer floor tiles were observed as patches in damaged areas; however, all floor tile should be treated as asbestos-containing.	Remove following O. Reg. 278/05 Type 1 operations (using only handheld non-powered tools while wetting the material).
L3-03	Corridor 3879	90%	good	-	A	Yes	Several newer floor tiles were observed as patches in damaged areas; however, all floor tile should be treated as asbestos-containing.	Remove following O. Reg. 278/05 Type 1 operations (using only handheld non-powered tools while wetting the material).

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
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F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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Building Component and Materials (BCM) Inventory

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L3-04	Room 3682	100%	good	-	A	Yes	Several newer floor tiles were observed as patches in damaged areas; however, all floor tile should be treated as asbestos-containing.	Remove following O. Reg. 278/05 Type 1 operations (using only handheld non-powered tools while wetting the material).
L3-05	Corridor 3883	90%	good	2%	A	Yes	Several newer floor tiles were observed as patches in damaged areas; however, all floor tile should be treated as asbestos-containing.	Remove following O. Reg. 278/05 Type 1 operations (using only handheld non-powered tools while wetting the material).
L3-06	Room 3883A	90%	good	-	A	Yes	Several newer floor tiles were observed as patches in damaged areas; however, all floor tile should be treated as asbestos-containing.	Remove following O. Reg. 278/05 Type 1 operations (using only handheld non-powered tools while wetting the material).
L4-08	Room 4360	100%	good	-	A	Yes		Remove following O. Reg. 278/05 Type 1 operations (using only handheld non-powered tools while wetting the material).
L4-09	Corridor 4316A	90%	good	-	A	Yes	Several newer floor tiles were observed as patches in damaged areas; however, all floor tile should be treated as asbestos-containing.	Remove following O. Reg. 278/05 Type 1 operations (using only handheld non-powered tools while wetting the material).

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:
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BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 12 VINYL FLOOR TILE (VFT-2) AND MASTIC

Description: *12" x 12" white vinyl floor tile and mastic at south end of Corridor 4316A.*

Colour: *White (tile)*
Black (mastic)

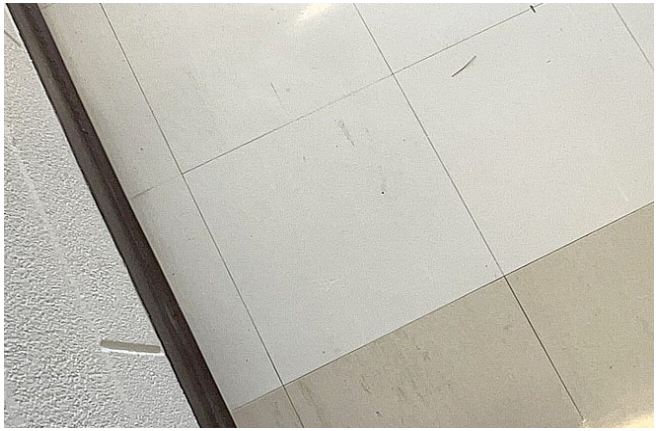
Friable: No

Samples: *CPH-S23A (mastic, UofW dB)*

Lab Result: *1% Chrysotile (mastic)*

Comment: *Vinyl floor tile is presumed to contain asbestos, as asbestos-containing mastic is adhered to the tile. The mastic was previously confirmed to contain asbestos in the UofW database.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L4-09	Corridor 4316A (south end)	~100 sf	good	-	A	Yes		Remove following O. Reg. 278/05 Type 1 operations (using only handheld non-powered tools while wetting the material).

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

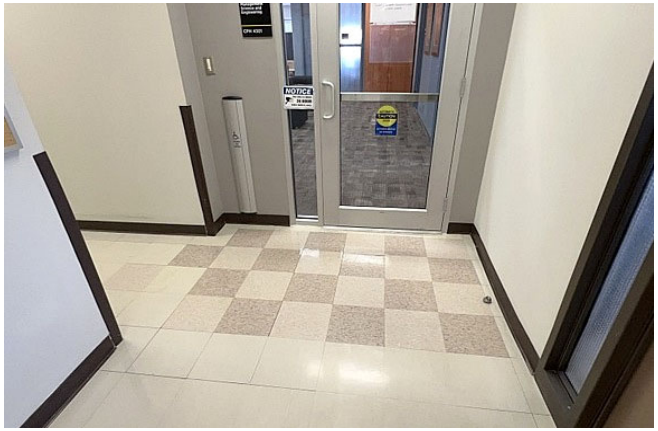
Notes:

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na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 13 VINYL FLOOR TILE (VFT-3)

Description: *12" x 12" brown & beige vinyl floor tile outside of Office 4301.*





Colour: *Brown*
Beige

Friable: No

Samples: *ns*

Lab Result: *PACM*

Comment: *Vinyl floor tile is presumed to contain asbestos (not sampled due to small quantity of tile present).*

Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L4-09	Corridor 4316A (outside Office 4301)	~25 sf	good	-	A	Yes		Remove following O. Reg. 278/05 Type 1 operations (using only handheld non-powered tools while wetting the material).

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:
nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
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NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 14 VFT MASTIC (VFTM-1) & LEVELLING COMPOUND (LC-2)

Description: *Floor tile mastic and levelling compound (LC) are present at various locations concealed beneath floor tiles.*

Colour: *Black, Yellow (mastic)*
Off-white (cementitous material)

Friable: PFM (LC)

Samples: *008ABC (mastic)*
008A.a, B.a (levelling compound)

Lab Result: *None detected (mastic)*
<0.5% Chrysotile (levelling compound)

Comment: *Mastic tested does not contain asbestos.*
Although levelling compound tested contains asbestos below the 0.5% threshold, levelling compound should be treated as asbestos containing.





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation

Accessibility (Acc.)
A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)
Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:
nq - not quantified
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ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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Building Component and Materials (BCM) Inventory

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L3-01	Room 3679	nq	-	-	D	No	LC presumed to contain asbestos may be present beneath flooring. As the mastic and levelling compound are inseparable, they should be treated as a homogeneous material.	Remove following O. Reg. 278/05 Type 2 operations using only power tools (i.e., grinders, shot blaster etc.) attached to HEPA filtered dust collecting devices otherwise Type 3 operations are required.
L3-02 to L3-06	Where present	nq	-	-	D	No	LC presumed to contain asbestos may be present beneath flooring. As the mastic and levelling compound are inseparable, they should be treated as a homogeneous material.	Remove following O. Reg. 278/05 Type 2 operations using only power tools (i.e., grinders, shot blaster etc.) attached to HEPA filtered dust collecting devices otherwise Type 3 operations are required.
L3-08 to L3-11	Where present	nq	-	-	D	No	LC presumed to contain asbestos may be present beneath flooring. As the mastic and levelling compound are inseparable, they should be treated as a homogeneous material.	Remove following O. Reg. 278/05 Type 2 operations using only power tools (i.e., grinders, shot blaster etc.) attached to HEPA filtered dust collecting devices otherwise Type 3 operations are required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
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sf - square feet
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PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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Building Component and Materials (BCM) Inventory

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L4-01 to L4-08	Where present	nq	-	-	D	No	LC presumed to contain asbestos may be present beneath flooring. As the mastic and levelling compound are inseparable, they should be treated as a homogeneous material.	Remove following O. Reg. 278/05 Type 2 operations using only power tools (i.e., grinders, shot blaster etc.) attached to HEPA filtered dust collecting devices otherwise Type 3 operations are required.
L4-09	Where present	nq	-	-	D	No	LC presumed to contain asbestos may be present beneath flooring. As the mastic and levelling compound are inseparable, they should be treated as a homogeneous material.	Remove following O. Reg. 278/05 Type 2 operations using only power tools (i.e., grinders, shot blaster etc.) attached to HEPA filtered dust collecting devices otherwise Type 3 operations are required.
L4-10	Where present	nq	-	-	D	No	LC presumed to contain asbestos may be present beneath flooring. As the mastic and levelling compound are inseparable, they should be treated as a homogeneous material.	Remove following O. Reg. 278/05 Type 2 operations using only power tools (i.e., grinders, shot blaster etc.) attached to HEPA filtered dust collecting devices otherwise Type 3 operations are required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

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Building Component and Materials (BCM) Inventory

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L4-11	Where present	nq	-	-	D	No	LC presumed to contain asbestos may be present beneath flooring. As the mastic and levelling compound are inseparable, they should be treated as a homogeneous material.	Remove following O. Reg. 278/05 Type 2 operations using only power tools (i.e., grinders, shot blaster etc.) attached to HEPA filtered dust collecting devices otherwise Type 3 operations are required.
L4-12 to L4-39	Where present	nq	-	-	D	No	LC presumed to contain asbestos may be present beneath flooring. As the mastic and levelling compound are inseparable, they should be treated as a homogeneous material.	Remove following O. Reg. 278/05 Type 2 operations using only power tools (i.e., grinders, shot blaster etc.) attached to HEPA filtered dust collecting devices otherwise Type 3 operations are required.
L4-40 to L4-42	Where present	nq	-	-	D	No	LC presumed to contain asbestos may be present beneath flooring. As the mastic and levelling compound are inseparable, they should be treated as a homogeneous material.	Remove following O. Reg. 278/05 Type 2 operations using only power tools (i.e., grinders, shot blaster etc.) attached to HEPA filtered dust collecting devices otherwise Type 3 operations are required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:
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BCM # 15 VFT MASTIC (VFTM-1) & LEVELLING COMPOUND (LC-3)

Description: *Where present under vinyl floor tile in Room 3883A, Corridors 3879, 3883 & Corridor 4316A.*

Colour: *Black, Yellow (mastic)*
Grey (cementitious material)

Friable: PFM (LC)

Samples: *012A.b., 008A.b.,B.b., 041ABC (mastic)*
012A.a. (levelling compound)

Lab Result: *None detected (mastic)*
0.5% Chrysotile (012A.a, levelling compound)

Comment: *Mastic tested does not contain asbestos.*
Levelling compound tested contains asbestos.





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L3-03	Corridor 3879	nq	-	-	D	No	As the mastic and levelling compound are inseparable, they should be treated as a homogeneous material.	Remove following O. Reg. 278/05 Type 2 operations using only power tools (i.e., grinders, shot blaster etc.) attached to HEPA filtered dust collecting devices otherwise Type 3 operations are required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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Building Component and Materials (BCM) Inventory

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L3-05	Corridor 3883	nq	-	-	D	No	As the mastic and levelling compound are inseparable, they should be treated as a homogeneous material.	Remove following O. Reg. 278/05 Type 2 operations using only power tools (i.e., grinders, shot blaster etc.) attached to HEPA filtered dust collecting devices otherwise Type 3 operations are required.
L3-06	Room 3883A	nq	-	-	D	No	As the mastic and levelling compound are inseparable, they should be treated as a homogeneous material.	Remove following O. Reg. 278/05 Type 2 operations using only power tools (i.e., grinders, shot blaster etc.) attached to HEPA filtered dust collecting devices otherwise Type 3 operations are required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 16 VINYL SHEET FLRING (VSF-1), MASTIC (VSFM-1), LV. CMP. (LC-1)

Description: *Off-white and green vinyl flooring with brown backing and grey cementitious material in Room 3681.*

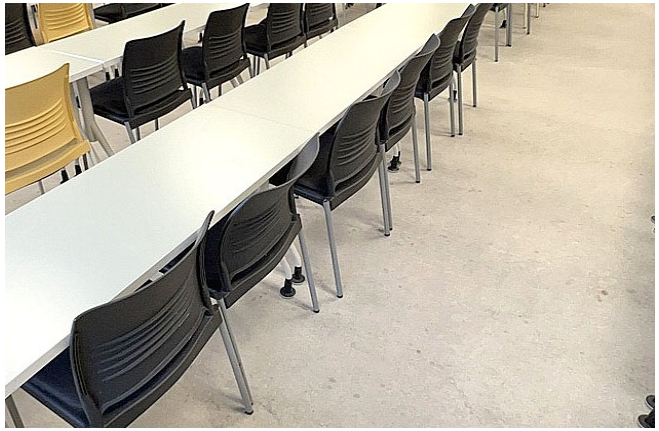
Colour: *Off-white & Green (sheet flooring)*
Brown (sheet backing)
Grey (cementitious material)
Off-white (mastic)

Friable: na

Samples: *006ABC*
008A.b, B.b. (Black & Yellow Mastic)

Lab Result: *None detected*

Comment: *Vinyl sheet flooring, backing, levelling compound and mastic tested do not contain asbestos.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
							Refer to BCM #14.	Refer to BCM #14.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 17 VINYL SHEET FLOORING (VSF-2)

Description: *Present in newly renovated (2020) portion of Corridor 3879 between Janitors Closet 3982 and Mechanical Room 3983 and IT Room 3976A.*

Colour: *Off-white*

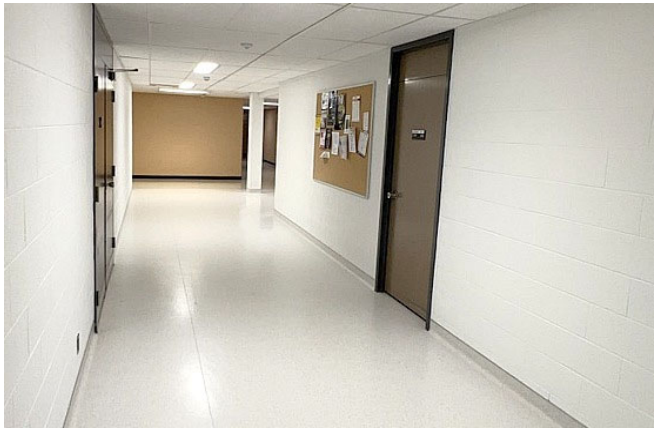
Friable: na

Samples: *ns*

Lab Result: *na*

Comment: *Vinyl sheet flooring is a new installion (2020) and as such not expected to contain asbestos (UofW dB). Flooring not expected to be impacted by planned renovations.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
							Flooring not expected to be impacted by planned renovations. Levelling compounds were removed from beneath new flooring.	No action required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:
nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 18 VINYL SHEET FLOORING (VSF-3) & MASTIC

Description: *Present in Kitchenette Room 4362.*





Colour: *Brown (woven material)*
Grey (mastic)

Friable: na

Samples: *102ABC*

Lab Result: *None detected*

Comment: *Vinyl sheet flooring and mastic tested do not contain asbestos.*

Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
							Refer to BCM #14.	Refer to BCM #14.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 19 CARPET MASTIC (CM-1)

Description: *Present under carpet on dais in Room 3679.*





Colour: *Yellow*
Friable: na

Samples: *016ABC*
Lab Result: *None detected*
Comment: *Mastic tested does not contain asbestos.*

Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
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NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 20 CARPET MASTIC (CM-2) & RESIDUAL MASTIC

Description: *Carpet mastic and residual mastic present under carpet in Room 3606 & 3606A.*

Colour: *Yellow, Brown*
Friable: na

Samples: *018ABC*
Lab Result: *None detected*
Comment: *Mastics tested do not contain asbestos.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
							Refer to BCM #14.	Refer to BCM #14.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

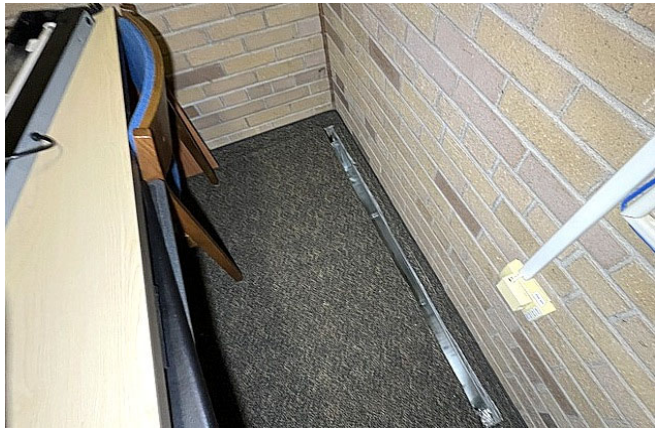
Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 21 CARPET MASTIC (CM-3) & LEVELLING COMPOUND (LC-4)

Description: *Present below carpet in Room 3603.*





Colour: *Yellow (mastic)*
Grey (cementitious material)

Friable: No

Samples: *022ABC (mastic)*
022A.a (levelling compound)

Lab Result: *None detected (mastic)*
0.5% Chrysotile (levelling compound)

Comment: *Mastic tested does not contain asbestos. Levelling compound tested contains asbestos.*

Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L3-11	Room 3603	nq	-	-	D	No	As the mastic and levelling compound are inseparable, they should be treated as a homogeneous material.	Remove following O. Reg. 278/05 Type 2 operations using only power tools (i.e., grinders, shot blaster etc.) attached to HEPA filtered dust collecting devices otherwise Type 3 operations are required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:
nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 22 CARPET MASTIC

Description: *Mastic where carpet is present in the fourth floor offices (L4-12 to L4-39).*

Colour: *Yellow (mastic)*
Friable: na

Samples: *032ABC*
033ABC
036ABC
Lab Result: *None detected*
Comment: *Mastic tested does not contain asbestos.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
							Refer to BCM #14.	Refer to BCM #14.

Accessibility (Acc.)
A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)
Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:
nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 23 METAL PAN - CEILING

Description: *Present in Corridor 3883.*





Colour: *White*
Friable: na

Samples: *ns*
Lab Result: *na*
Comment: *Metal pan ceiling does not contain asbestos though sprayed fireproofing debris is present on the surface of the metal pan.*

Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
							Refer to BCM #2 and BCM # 6.	Refer to BCM #2 and BCM # 6.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 24 LEVELLING COMPOUND

Description: *Present under carpet in Rooms 4333, 4343, 4345 and 4347.*

Colour: *Grey*
Friable: na

Samples: *035ABC*
042ABC
Lab Result: *None detected*
Comment: *Levelling compound tested does not contain asbestos.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
							Refer to BCM #14.	Refer to BCM #14.

Accessibility (Acc.)
A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)
Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:
nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

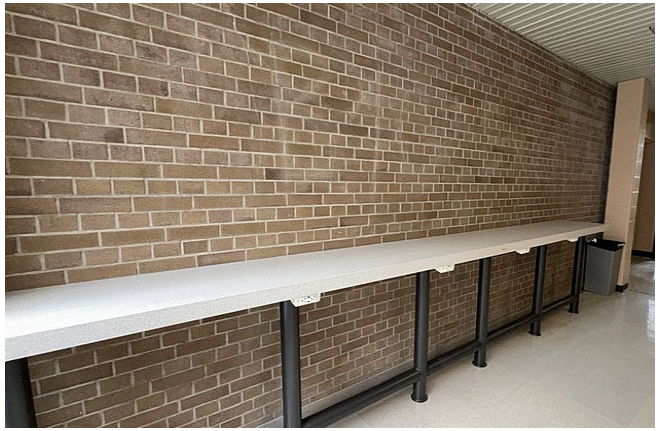
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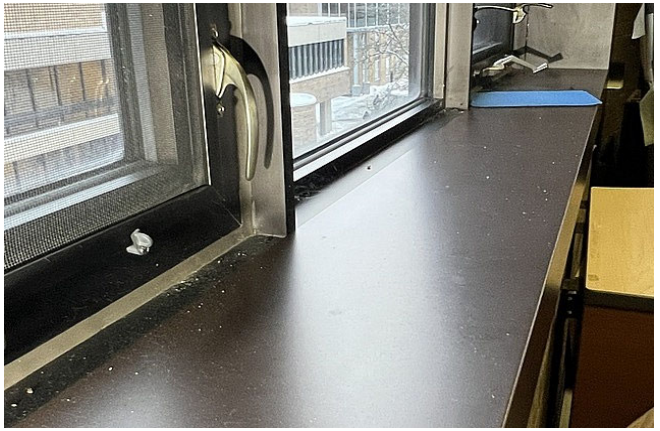
BCM # 25 COUNTERTOP / WORK SURFACES / WINDOW LEDGES

Description: *Where present throughout subject area.*

Colour: *Grey*
Friable: na

Samples: *ns*
Lab Result: *na*
Comment: *Countertops are melamine and as such not expected to contain asbestos.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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Building Component and Materials (BCM) Inventory

BCM # 26 RESIDUAL MASTIC

Description: *Present under carpet in Room 4335.*

Colour: *Black, Yellow*
Friable: No

Samples: *037A.a*
Lab Result: *1% Chrysotile*
Comment: *Mastic tested contains asbestos.*

Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L4-40	Room 4335	nq	good	-	D	No		Remove following O. Reg. 278/05 Type 2 operations using only power tools (i.e., grinders, shot blaster etc.) attached to HEPA filtered dust collecting devices otherwise higher Type 3 operations are required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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Building Component and Materials (BCM) Inventory

BCM # 27 CARPET MASTIC

Description: *Present under carpet in Room 4335.*

Colour: *Off-white*
Friable: na

Samples: *038ABC*
Lab Result: *None detected*
Comment: *Mastic tested does not contain asbestos.*

Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
							Refer to BCM #14 and #26.	Refer to BCM #14 and #26.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
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NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

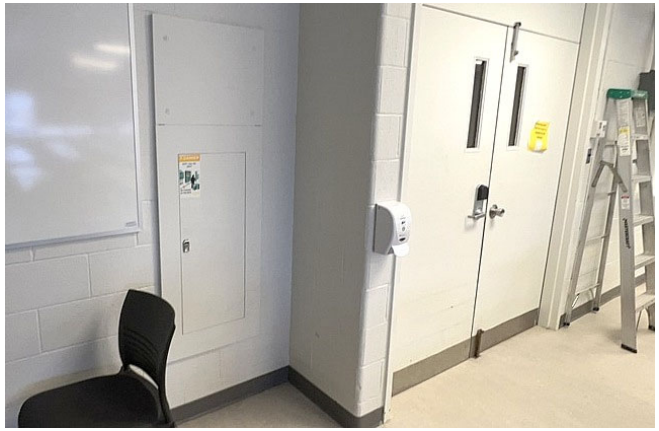
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BCM # 28 BLOCK WALL PRIMER

Description: *Block wall primer throughout subject area.*

Colour: *Off-white*
Friable: No

Samples: *002A*
009A (Access #10107.039)
001A (Access #10107.129)
Lab Result: *0.5% Chrysotile*
Comment: *Primer tested contains asbestos.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
All	Throughout the subject area	nq	good	-	A	Yes		If disturbance is likely, follow O. Reg. 278/05 Type 2 operations using power tools attached to HEPA filtered dust collection system when disturbing primer otherwise higher level operations are required.

Accessibility (Acc.)
A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)
Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:
nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
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PACM - presumed asbestos-containing material

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BCM # 29 DRYWALL JOINT-FILL COMPOUND (DJFC-1)

Description: *Present throughout the subject area on drywall bulkheads, walls, enclosures, ceilings including ceilings above the suspended ceiling tile grid on the fourth floor.*

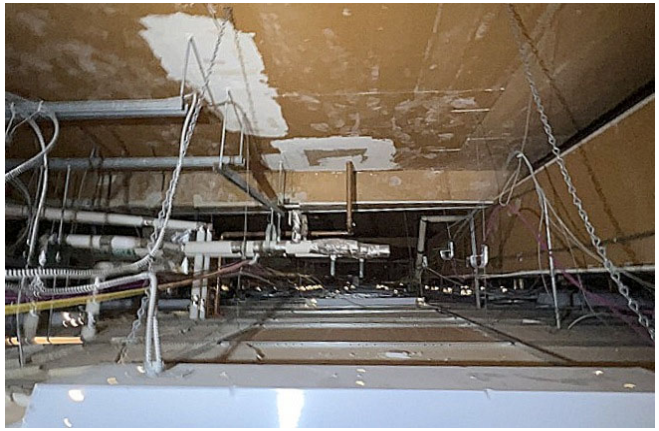
Colour: *Beige*

Friable: No

Samples: *003A*
CPH-S01ABCDEFGH (UofW dB)

Lab Result: *1.0% Chrysotile*
0.5% Chrysotile (UofW dB)

Comment: *Drywall joint-fill compound tested contains asbestos.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
All	Throughout the subject area	nq	good	-	A	Yes	All DJFC within the subject area should be considered asbestos-containing (except where noted - see BCM 30).	Remove following O. Reg. 278/05 Type 2 operations.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:
nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

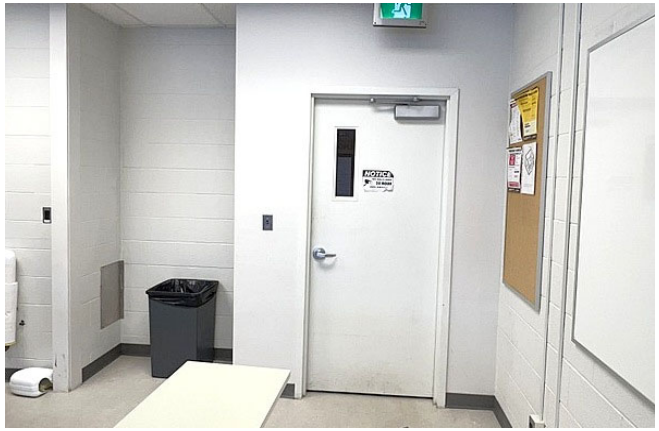
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BCM # 30 DRYWALL JOINT-FILL COMPOUND (DJFC-2)

Description: *Present on drywall at rear entrance alcove to Room 3681.*

Colour: *White*
Friable: na

Samples: *004ABC*
Lab Result: *None detected*
Comment: *Drywall joint-fill compound tested does not contain asbestos.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
							Refer to BCM #29 for all other drywall where joint compound has been confirmed to contain asbestos.	No action required.

Accessibility (Acc.)
A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)
Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:
nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
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PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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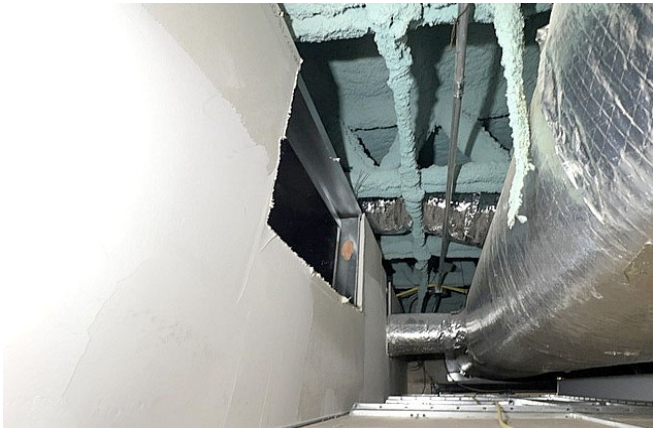
BCM # 31 DRYWALL JOINT-FILL COMPOUND (DJFC-3)

Description: *Present on interior demising drywall walls in Rooms 2374 & 2374A to E and 2376 & 2376A to K.*

Colour: -
Friable: na

Samples: *ns*
Lab Result: *na*
Comment: *Rooms renovated in 2007/2008 are not expected to contain asbestos in interior demising walls or be impacted by the planned work. Older exterior perimeter walls & original columns are expected to contain asbestos in the joint compound.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
							Refer to BCM #29 where older drywall walls are present.	Refer to BCM #29 where older drywall walls are present.

Accessibility (Acc.)
A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)
Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:
nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 32 DRYWALL JOINT-FILL COMPOUND / MASTIC PUCKS

Description: *Drywall compound / mastic pucks may be concealed behind drywall installed on concrete or block columns and walls.*

Colour: -

Friable: No

Samples: *ns*

Lab Result: *PACM*

Comment: *Drywall compound / mastic pucks concealed behind drywall should be presumed to contain asbestos.*

Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
All	Where present throughout the subject area.	nq	-	-	D	No	Drywall compound / mastic pucks concealed behind drywall should be presumed to contain asbestos.	Remove following O. Reg. 278/05 Type 1 operations using only non-powered handheld tools while wetting otherwise higher level precautions apply.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 33 MIXED BASEBOARD MASTIC (BBM-1)

Description: *Where present behind vinyl baseboards in Room 3681.*

Colour: *Brown, Yellow*
Friable: na

Samples: *005ABC*
Lab Result: *None detected.*
Comment: *Mastics tested do not contain asbestos.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
							Although the mastic tested does not contain asbestos, baseboard mastics are present on asbestos-containing primer and on drywall with asbestos-containing joint compound.	Refer to BCM #28 and #29.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
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F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

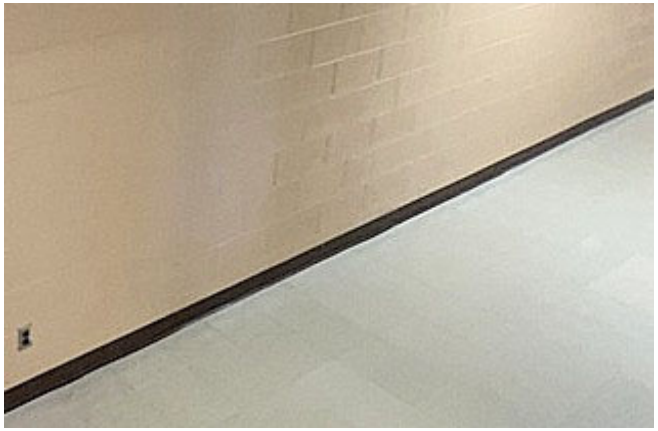
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BCM # 34 BASEBOARD MASTIC (BBM-2)

Description: *Where present behind vinyl baseboards throughout subject area.*

Colour: *Brown*
Friable: na

Samples: *007ABC*
Lab Result: *None detected*
Comment: *Mastic tested does not contain asbestos.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
							Although the mastic tested does not contain asbestos, baseboard mastics are present on asbestos-containing primer and on drywall with asbestos-containing joint compound.	Refer to BCM #28 and #29.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 35 BASEBOARD MASTIC (BBM-3)

Description: *Where present behind vinyl baseboard in Rooms 3606, 3606A and 4316C.*

Colour: *Yellow*
Friable: na

Samples: *005ABC (OnPoint #100117.047)*
Lab Result: *None detected*
Comment: *Mastic previously tested does not contain asbestos (OnPoint 100117.047).*



Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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Building Component and Materials (BCM) Inventory

BCM # 36 MASTIC - DAIS MOULDING

Description: *Present under vinyl moulding on dais in Room 3679.*

Colour: *Yellow*
Friable: na

Samples: *017ABC*
Lab Result: *None detected*
Comment: *Mastic tested does not contain asbestos.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

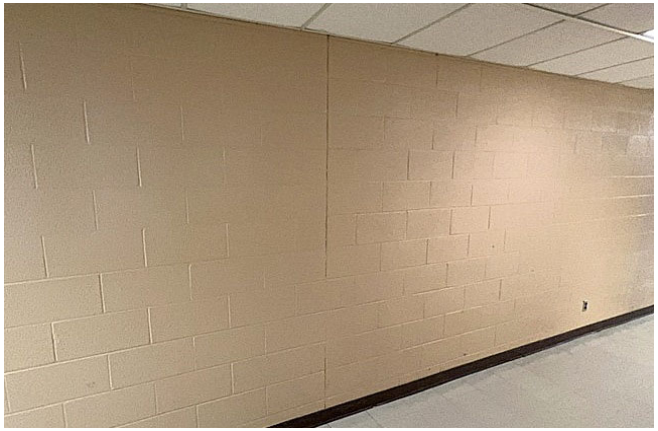
Notes:

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ns - not sampled
sf - square feet
lf - linear feet
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NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 37 CAULKING - EXPANSION JOINT

Description: *Present in Corridor 3879.*





Colour: *Off-white*
Friable: na

Samples: *010ABC*
Lab Result: *<0.5% Chrysotile*
Comment: *The caulking tested is not considered asbestos-containing, as the asbestos concentration is below the O. Reg. 278/05 threshold of 0.5%.*

Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L3-03	Corridor 3879	nq	-	-	A	Yes	Asbestos-containing block wall primer may be present on the surface of the caulking.	Refer to BCM #28.

Accessibility (Acc.)
A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)
Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:
nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

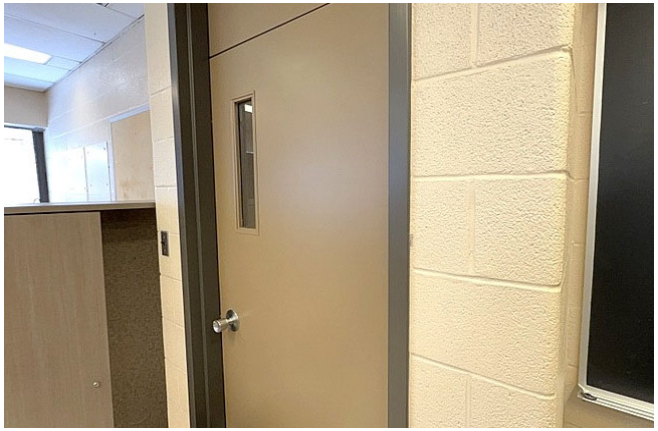
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BCM # 38 CAULKING - DOOR FRAME PERIMETERS

Description: *Present at door frame perimeters to Rooms 3679 and 3681 from Corridor 3879.*

Colour: *Off-white*
Friable: na

Samples: *011ABC*
Lab Result: *<0.5% Chrysotile*
Comment: *The caulking tested is not considered asbestos-containing, as the asbestos concentration is below the O. Reg. 278/05 threshold of 0.5%.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)
A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)
Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:
nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
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F - friable
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PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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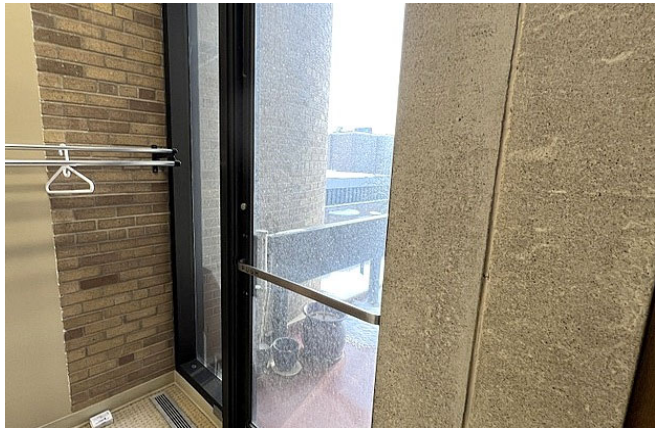
Building Component and Materials (BCM) Inventory

BCM # 39 CAULKING - GLASS DOOR & WINDOW

Description: *Present on glass door and window frames on exterior walls in Rooms 3606 & 3606A (upper and lower).*

Colour: *Black*
Friable: na

Samples: *019ABC*
Lab Result: *None detected*
Comment: *Caulking tested does not contain asbestos.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 40 WINDOW BUTYL (WB-1)

Description: *Present on exterior windows in Rooms 3606.*

Colour: *Black*
Friable: na

Samples: *020ABC*
Lab Result: *None detected*
Comment: *Butyl tested does not contain asbestos.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)
A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)
Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:
nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 41 WINDOW BUTYL (WB-2)

Description: *Present on interior office window of Room 4316C.*

Colour: *Black*
Friable: na

Samples: *031ABC*
Lab Result: *None detected*
Comment: *Butyl tested does not contain asbestos.*

Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)
A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)
Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:
nq - not quantified
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ns - not sampled
sf - square feet
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PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 42 WINDOW BUTYL (WB-3)

Description: *Present on interior fourth floor office windows.*

Colour: *Black*
Friable: No

Samples: *034A*
Lab Result: *2% Chrysotile*
Comment: *Butyl tested contains asbestos.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L4-12 to L4-39	Where present at Offices 4310 to 4366	nq	good	-	A	Yes		Remove following O. Reg. 278/05 Type 1 operations (using only non-powered handheld tools while wetting the material).

Accessibility (Acc.)
A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

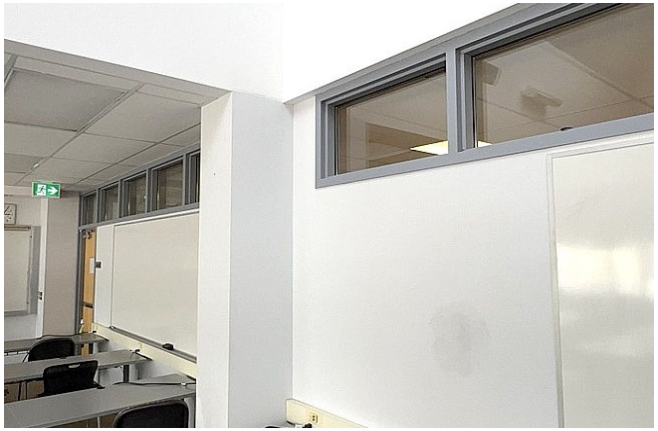
Visibility (Vis.)
Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

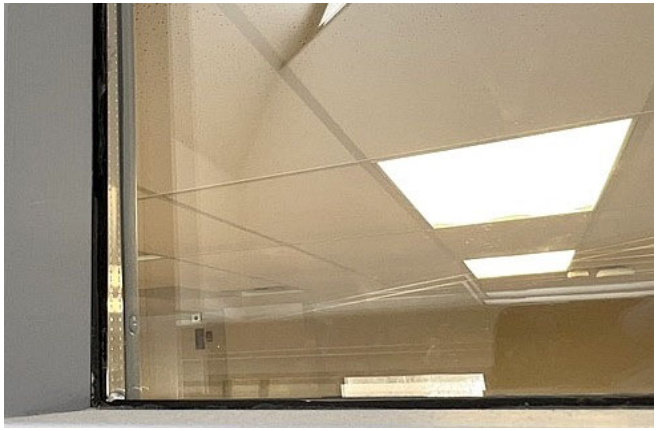
Notes:
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ns - not sampled
sf - square feet
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NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 43 WINDOW BUTYL (WB-4)

Description: *Present on interior window between Rooms 4333 and 4335.*





Colour: *Black*
Friable: na

Samples: *040ABC*
Lab Result: *None detected*
Comment: *Butyl tested does not contain asbestos.*

Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 44 WINDOW SEALS

Description: *Present on exterior windows in Room 3679 & 3681.*





Colour: *Black*
Friable: na

Samples: *ns*
Lab Result: *na*
Comment: *Window seals are rubber and as such not expected to contain asbestos (not expected to be impacted by planned work).*

Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
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sf - square feet
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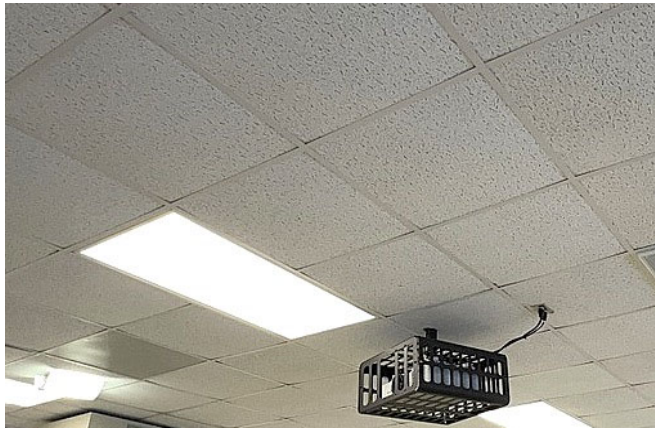
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BCM # 45 SUSPENDED CEILING TILE (SCT-1)

Description: *2' x 2' ceiling tile with deep width-wise fissure, random pinhole and dark backing in Room 3681.*

Colour: *White*
Friable: na

Samples: *ns*
Lab Result: *na*
Comment: *Ceiling tiles do not contain asbestos (date stamped 04/01/17).*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
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ns - not sampled
sf - square feet
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NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 46 SUSPENDED CEILING TILE (SCT-2)

Description: *2' x 2' ceiling tile with deep width-wise fissure, random pinhole and light backing in Room 3681.*

Colour: *White*
Friable: na

Samples: *ns*
Lab Result: *na*
Comment: *Ceiling tiles do not contain asbestos (date stamped 05/04/11).*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

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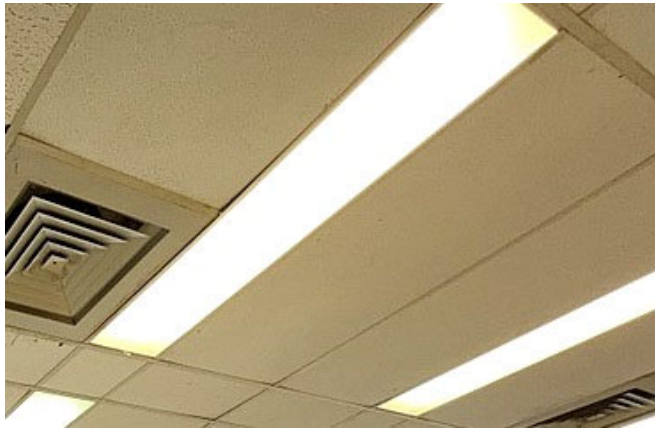
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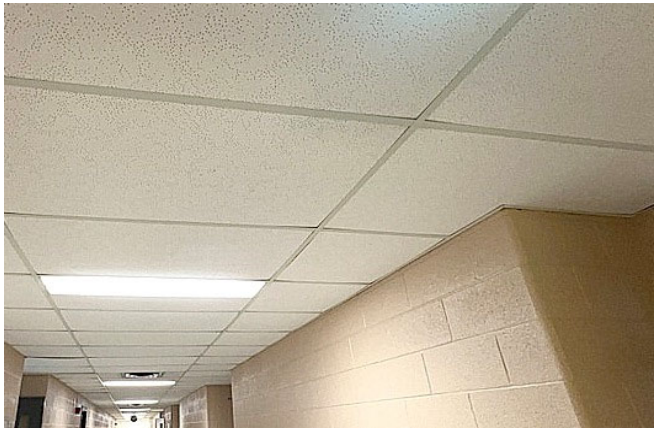
BCM # 47 SUSPENDED CEILING TILE (SCT-3)

Description: *2' x 4' ceiling tile with large and small patterned pinhole.*

Colour: *Off-white*
Friable: No

Samples: *33293-CPH-S04ABC (UofW dB)*
Lab Result: *1.3% Chrysotile*
Comment: *Ceiling tiles previously tested contain asbestos (UofW dB).*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L3-01	Room 3679	90%	good	-	C	Yes	Refer to floorplan for approximate locations.	Follow O. Reg. 278/05 Type 2 operations to disturb or remove / replace ceiling tiles.
L3-03	Corridor 3879	90%	good	-	C	Yes	Refer to floorplan for approximate locations.	Follow O. Reg. 278/05 Type 2 operations to disturb or remove / replace ceiling tiles.
L3-04	Room 3682	All	good	-	C	Yes		Follow O. Reg. 278/05 Type 2 operations to disturb or remove / replace ceiling tiles.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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Building Component and Materials (BCM) Inventory

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L4-09	Corridor 4316A	75%	good	-	C	Yes	Refer to floorplan for approximate locations.	Follow O. Reg. 278/05 Type 2 operations to disturb or remove / replace ceiling tiles.
L4-12 to L4-39	Offices: Rooms 4312, 4314, 4316, 4318, 4320, 4322, 4324, 4326, 4353, 4355, 4357, 4361, 4363, 4364, 4366	All	good	-	C	Yes	2 tiles Room 4366 Refer to floorplan for approximate locations.	Follow O. Reg. 278/05 Type 2 operations to disturb or remove / replace ceiling tiles.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 48 SUSPENDED CEILING TILE (SCT-4)

Description: *2' x 4' ceiling tile with width-wise fissure, random pinhole and dark backing where present at entrance to Room 3679.*

Colour: *White*

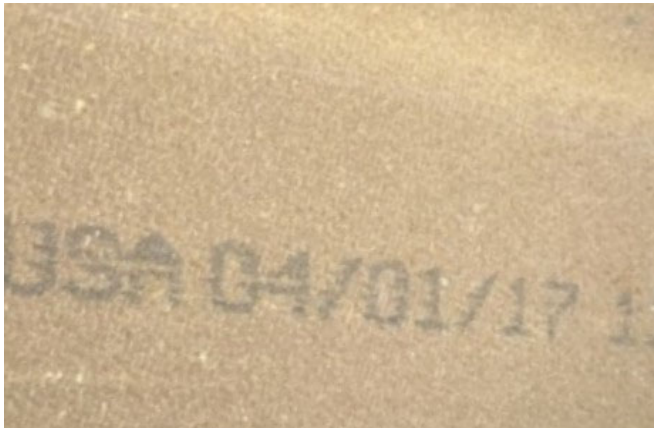
Friable: na

Samples: *ns*

Lab Result: *na*

Comment: *Ceiling tile does not contain asbestos (date stamped 04/10/17).*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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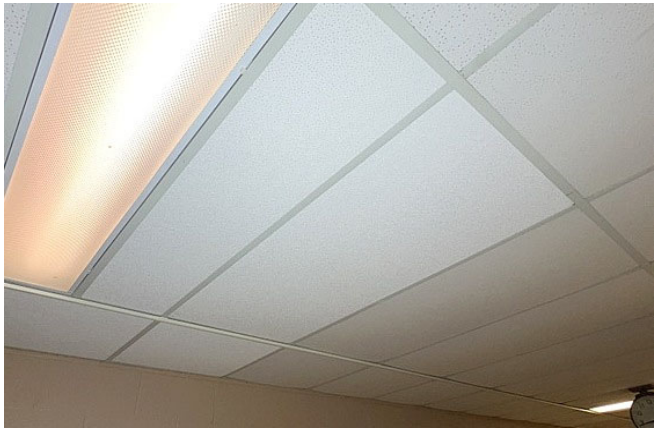
BCM # 49 SUSPENDED CEILING TILE (SCT-5)

Description: *2' x 4' ceiling tile textured with random large and small pinhole.*

Colour: *White*
Friable: No

Samples: *ns*
Lab Result: *PACM*
Comment: *Ceiling tiles are presumed to contain asbestos.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L3-01	Room 3679	2 tiles	good	-	C	Yes	One tile at centre of room and one tile at blackboard. Remove as part of SCT-3 abatement (see BCM #47).	Follow O. Reg. 278/05 Type 2 operations to disturb or remove / replace ceiling tiles.
L3-03	Corridor 3879	~ 10 tiles	good	-	C	Yes	Randomly located throughout. Remove as part of SCT-3 abatement (see BCM#47).	Follow O. Reg. 278/05 Type 2 operations to disturb or remove / replace ceiling tiles.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:
nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 50 SUSPENDED CEILING TILE (SCT-6)

Description: *2' x 4' ceiling tile with small fissure and random pinhole where present in Corridor 3879.*

Colour: *White*
Friable: na

Samples: *ns*
Lab Result: *na*
Comment: *Ceiling tile does not contain asbestos (date stamped 08/09/20).*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 51 SUSPENDED CEILING TILE (SCT-7)

Description: *2' x 4' ceiling tile with width-wise fissure and random pinhole, light backing present in Corridor 3883.*

Colour: *White*
Friable: Yes

Samples: *ns*
Lab Result: *Asbestos SF debris on surface*
Comment: *Ceiling tiles do not contain asbestos and are date-stamped 03/27/12; however, they are heavily contaminated with fallen asbestos-containing sprayed fireproofing.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L3-05	Corridor 3883	nq	debris (from friable ACM)	75%	D	Yes	Fallen asbestos sprayed fireproofing debris is present on the surface of non-asbestos ceiling tiles.	Follow O. Reg. 278/05 Type 2 procedures to access and work in the ceiling space and to remove and dispose of SCT as asbestos waste.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 52 SUSPENDED CEILING TILE (SCT-8)

Description: *2' x 2' ceiling tile with short random fissure and random pinhole present in Rooms 3606, 3606A, 4316C and 4362.*

Colour: *White*

Friable: na

Samples: *002ABC (OnPoint 100117.047)*

Lab Result: *None detected*

Comment: *Ceiling tiles previously tested do not contain asbestos (OnPoint 100117.047).*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 53 SUSPENDED CEILING TILE (SCT-9)

Description: *2' x 2' ceiling tile with short random fissure and random pinhole, drop-style in Room 3606, 3606A & 3603 and portion of Room 4367.*

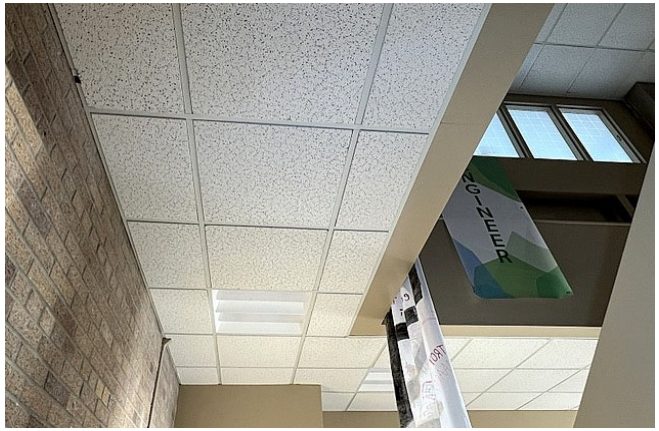
Colour: *White*

Friable: na

Samples: *ns*

Lab Result: *na*

Comment: *Ceiling tiles do not contain asbestos (date stamped 2006, UofW dB).*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 54 SUSPENDED CEILING TILE (SCT-10)

Description: *2' x 4' ceiling tile with deep small random fissure and random pinhole present in Room 4367.*

Colour: *White*
Friable: na

Samples: *ns*
Lab Result: *na*
Comment: *Ceiling tiles do not contain asbestos (date stamped 13/27/15).*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 55 SUSPENDED CEILING TILE (SCT-11)

Description: *2' x 4' ceiling tile with width-wise medium random fissure and random pinhole present in Rooms 4316A, 4301, 4316B, 4360 and 4369.*

Colour: *White*

Friable: na

Samples: *ns*

Lab Result: *na*

Comment: *Ceiling tiles do not contain asbestos (date stamped 04/07/04).*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 56 SUSPENDED CEILING TILE (SCT-12)

Description: *2' x 4' ceiling tile with short deep random fissure, random pinhole and dark backing present in Rooms 4310, 4328, 4330, 4332, 4334, 4336, 4343, 4345, 4347, 4349, 4351, 4365.*

Colour: *White*

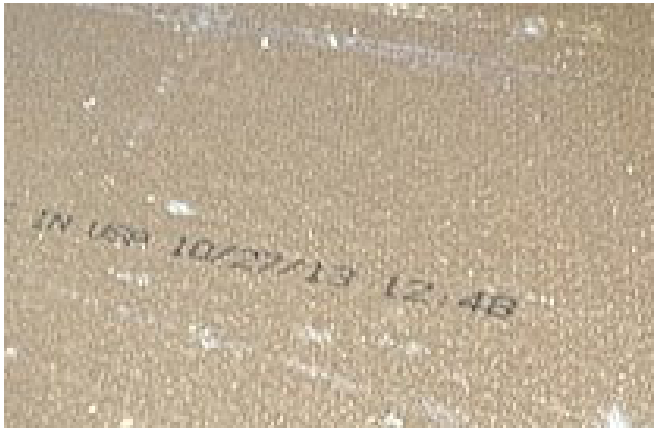
Friable: na

Samples: *ns*

Lab Result: *na*

Comment: *Ceiling tiles do not contain asbestos (date stamped 10/27/13).*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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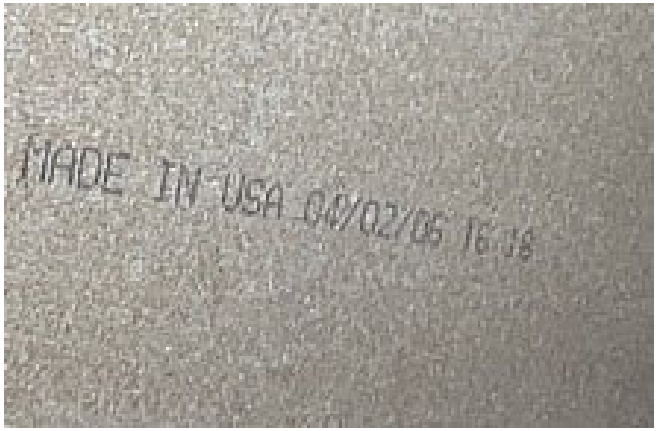
BCM # 57 SUSPENDED CEILING TILE (SCT-13)

Description: *2' x 4' ceiling tile with width-wise shallow fissure and random pinhole present in Room 4359.*

Colour: *White*
Friable: na

Samples: *ns*
Lab Result: *na*
Comment: *Ceiling tiles do not contain asbestos (date stamped 04/02/06).*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)
A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)
Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:
nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 58 SUSPENDED CEILING TILE (SCT-14)

Description: *2' x 4' ceiling tile with small round fissure and random pinhole present in Rooms 4333, 4335 and 4366.*

Colour: *White*
Friable: na

Samples: *CPH-S18ABC (UofW dB)*
Lab Result: *None detected*
Comment: *Ceiling tile previously tested does not contain asbestos (UofW dB).*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 59 SUSPENDED CEILING TILE (SCT-15)

Description: *2' x 4' ceiling tile with medium fissure, random pinhole and light backing present in Second Floor Offices 2374, 2374A to E & 2376, 2376A to K.*

Colour: *White*

Friable: na

Samples: *ns*

Lab Result: *na*

Comment: *Ceiling tiles do not contain asbestos (date stamped 08/09/07).*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

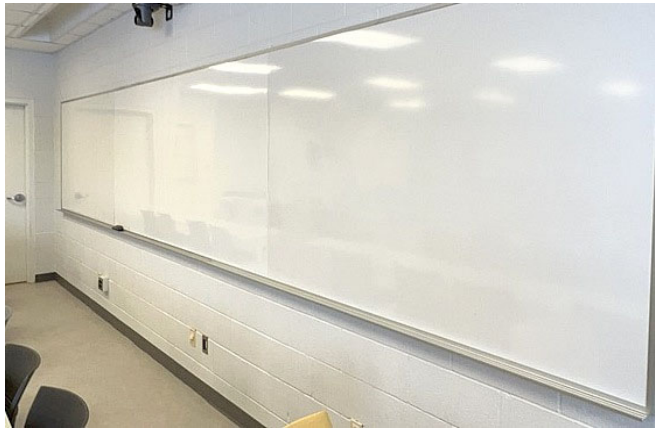
nq - not quantified
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BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

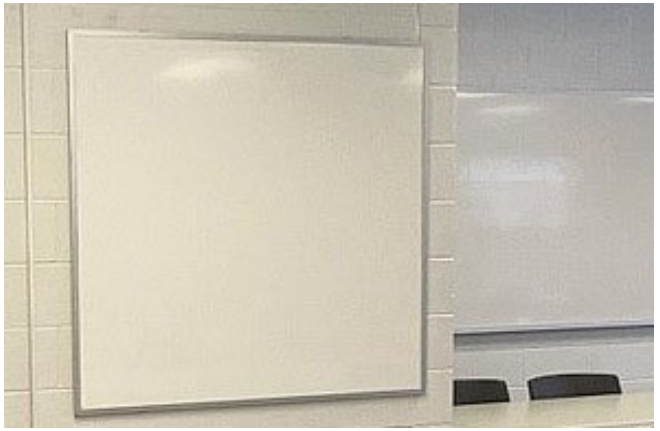
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Building Component and Materials (BCM) Inventory

BCM # 60 WHITE BOARDS

Description: *Where present within subject area.*





Colour: *White*
Friable: na

Samples: *ns*
Lab Result: *na*
Comment: *White boards do not contain asbestos and are mechanically fastened.*

Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

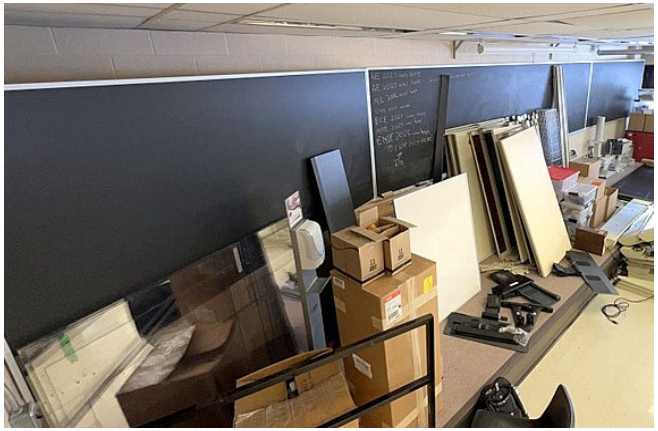
Notes:

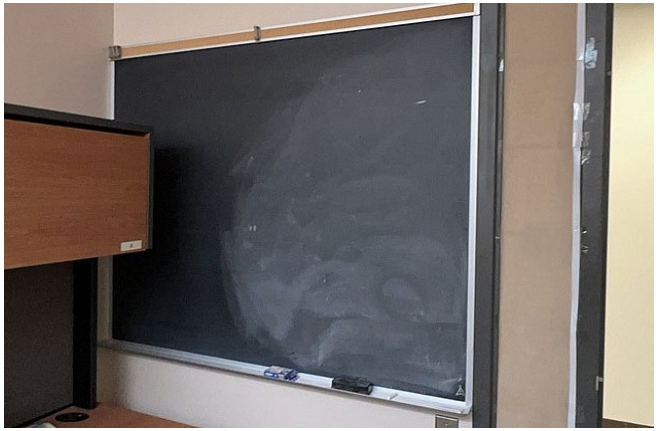
nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 61 BLACKBOARDS

Description: *Where present within subject area.*





Colour: *Black*
Friable: No

Samples: *ns*
Lab Result: *PACM*
Comment: *Blackboards are presumed to contain asbestos until testing proves otherwise.*

Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
All	Where present within the subject area.	nq	good	-	A	Yes		Remove following O. Reg. 278/05 Type 1 operations using only non-powered, handheld tools while wetting.

Accessibility (Acc.)
A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)
Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:
nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 62 THERMAL SYSTEMS INSULATION (PIPE STRAIGHTS & FITTINGS)

Description: *Where present on pipes and fittings within subject area.*





Colour: *White*
Friable: na

Samples: *ns*
Lab Result: *na*
Comment: *Pipes are either bare or insulated with fibreglass (no asbestos).*

Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

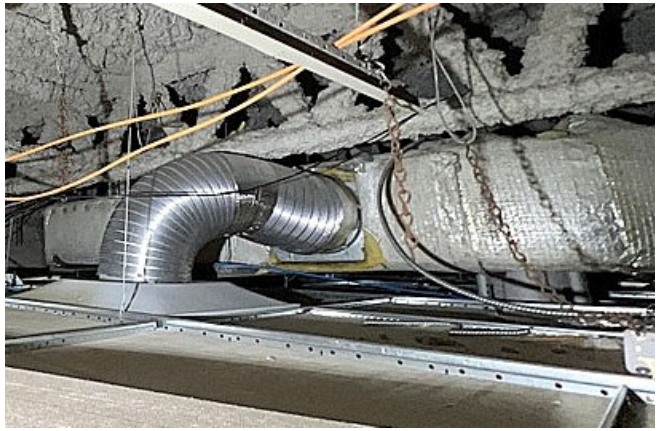
Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
lf - linear feet
F - friable
NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 63 THERMAL SYSTEMS INSULATION (DUCTS)

Description: *Where present on pipes and fittings within subject area.*



Colour: *Yellow*
Friable: na

Samples: *ns*
Lab Result: *na*
Comment: *Ducts are either bare or insulated with yellow fibreglass wrapped in foil (non-asbestos).*

Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
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NF - non friable
PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 64 PARGING CEMENT FITTING INSULATION

Description: *Where present on valves and fittings.*





Colour: *Varies*
Friable: Yes

Samples: *ns*
Lab Result: *PACM*
Comment:

Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L3-05	Corridor 3879	4x	good	-	D	Yes	Refer to floorplan for approximate locations.	Avoid disturbance. If disturbance is likely, remove following O. Reg. 278/05 Glove Bag operations.
L3-07	Mechanical Room 3983 within subject area	2x	good	-	C	Yes	Refer to floorplan for approximate locations.	Avoid disturbance. If disturbance is likely, remove following O. Reg. 278/05 Glove Bag operations.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

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ns - not sampled
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PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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Building Component and Materials (BCM) Inventory

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L4-06	Room 4367	2x	good	-	D	Yes	Refer to floorplan for approximate locations.	Avoid disturbance. If disturbance is likely, remove following O. Reg. 278/05 Glove Bag operations.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

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PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 65 FLEXIBLE CONNECTORS

Description: *Fabric-type flexible connectors where present on ducting.*

Colour: *Off-white*
Friable: PFM

Samples: *ns*
Lab Result: *PACM*
Comment: *Flexible connectors are presumed to contain asbestos until testing proves otherwise.*

Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
All	Where present.	nq	-	-	D	No	Flex duct connectors are considered contaminated with asbestos-containing sprayed fireproofing fibres.	Remove following O. Reg. 278/05 Type 3 operations.

Accessibility (Acc.)
A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)
Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:
nq - not quantified
na - not applicable
ns - not sampled
sf - square feet
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PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 66 PIPE INSULATION

Description: *Foam-like pipe insulation present in various areas of Rooms 3606 and 3606A.*

Colour: *Brown*
Friable: na

Samples: *004ABC (OnPoint #10117.047)*
Lab Result: *None Detected*
Comment: *Pipe insulation previously tested (OnPoint #10117.047) does not contain asbestos.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)
A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)
Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

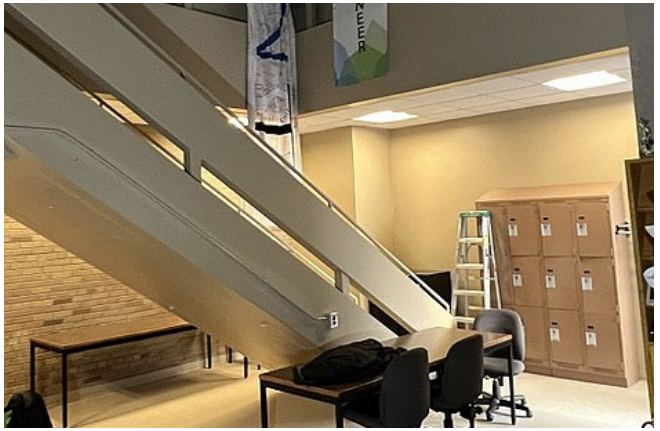
Notes:
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PACM - presumed asbestos-containing material

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BCM # 67 STAIRCASE WALLS

Description: *Present on the sides of the stairs.*





Colour: *Painted beige*
Friable: na

Samples: *ns*
Lab Result: *na*
Comment: *Metallic walls of the stairs are not expected to contain asbestos.*

Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
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sf - square feet
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PACM - presumed asbestos-containing material

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BCM # 68 DUCTWORK (INTERNAL)

Description: *Interior surfaces of all HVAC system components (including rigid duct work) are considered to be contaminated with asbestos fibres as asbestos-containing sprayed fireproofing is present in the CPH building.*

Colour: *na*
Friable: Yes

Samples: *ns*
Lab Result: *PACM*
Comment: *Internal components of ductwork should be considered to be contaminated with asbestos fibres from asbestos fire spray insulation.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
All	Where present throughout the building.							O. Reg. 278/05 Type 3 operations should be followed for cleaning or removing air handling equipment including rigid duct work. Safe work practices should be followed for duct connections (new to old ducts). Refer to asbestos abatement specifications.

Accessibility (Acc.)
A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)
Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:
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PACM - presumed asbestos-containing material

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BCM # 69 ELECTRIC EQUIPMENT, PANELS, WIRING ETC.

Description: *Electrical equipment where present within subject area.*



Colour: *Varies*
Friable: PFM

Samples: *ns*
Lab Result: *PACM*
Comment: *Electrical equipment (i.e., Square "D", panels, wire sheathing, cable wrap, circuit breakers, switches, fuse holders etc.) may contain asbestos materials (i.e. Bakelite, Transite etc.).*

Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
All	Where present.	nq	-	-	D	Yes		Avoid disturbance. If disturbance is likely, when deenergized, test suspect materials for asbestos. Confirmed and presumed asbestos-containing materials should be managed in accordance with O. Reg. 278/05 requirements.

Accessibility (Acc.)
A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)
Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

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PACM - presumed asbestos-containing material

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BCM # 70 PATIO CAULKING / SEALANT

Description: *Present at the roof membrane drain on the patio located at L4-04 (roof 29-2)..*

Colour: *White*
Friable: No

Samples: *001ABC (Access #10107.217)*
Lab Result: *None detected*
Comment: *Caulking sealant at drain does not contain asbestos. Elastomeric roofing and caulking (silicone) at perimeter are not expected to contain asbestos.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

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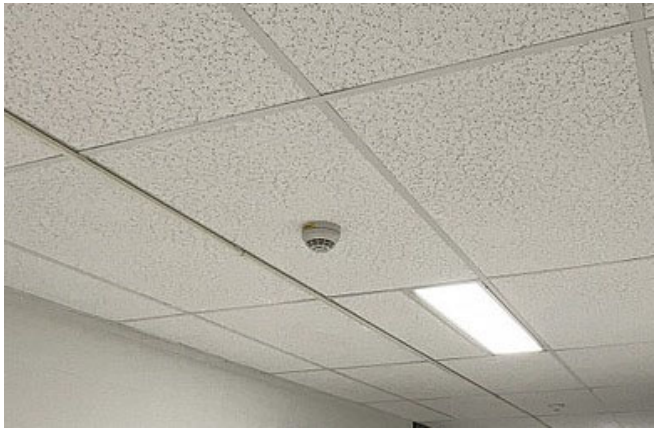
BCM # 71 SUSPENDED CEILING TILE (SCT-16)

Description: *2' x 4' small deep fissure random pinhole present in Corridor 3879 newly renovated (2019/2020) area.*

Colour: *White*
Friable: na

Samples: *ns*
Lab Result: *na*
Comment: *Ceiling tile does not contain asbestos. Dated stamped 08/18/19.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

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PACM - presumed asbestos-containing material

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BCM # 72 SPRAYED FIREPROOFING (SP-5)

Description: *Beige fireproofig present in the newly renovated (2019/2020) portion of Corridor 3879 and IT Room 3976A.*

Colour: *Beige*
Friable: na

Samples: *ns*
Lab Result: *na*
Comment: *Sprayed fireproofing does not contain asbestos (installed 2019/2020).*



Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)
A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)
Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

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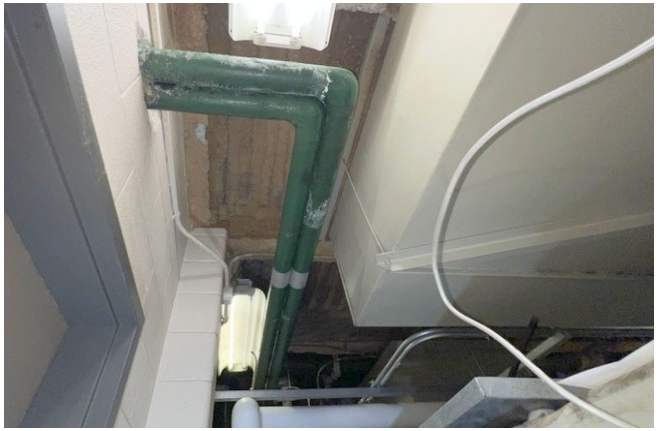
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BCM # 73 PIPE INSULATION (CWR & CWS)

Description: *Present within the portion of Mechanical Room 3983 where CWS and CWR alterations are planned.*

Colour: *Green*
Friable: na

Samples: *ns*
Lab Result: *na*
Comment: *Insulation does not contain asbestos (fibreglass); however fallen asbestos sprayed fireproofing debris is present on the surface of the pipe insulation.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L3-07	Mech. Rm. 3983	nq	good	0	C	Yes	Fallen asbestos-containing sprayed fireproofing debris is present on the pipe insulation surface. Removal of the pipe insulation will likely disturb nearby asbestos-containing sprayed fireproofing.	Follow O. Reg. 278/05 Type 2 cleanup procedures, including HEPA vacuuming and wet wiping methods. Use barriers or an enclosure as required to prevent disturbance of nearby asbestos-containing sprayed fireproofing. Refer to the specifications.

Accessibility (Acc.)
A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)
Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:
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PACM - presumed asbestos-containing material

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BCM # 74 PIPE INSULATION (CWR & CWS)

Description: *Present within a portion of Corridor 3883 where CWS and CWR alterations are planned.*

Colour: *White*
Friable: na

Samples: *ns*
Lab Result: *na*
Comment: *Pipe insulation is non-asbestos fibreglass but is mould-impacted. Asbestos-containing sprayed fireproofing is present on the deck and other surfaces, with debris present on ceiling tiles.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L3-05	Corridor 3883	nq	fair	-	D	Yes	Non-asbestos fibreglass pipe insulation is mould-impacted. Asbestos-containing sprayed fireproofing and debris are present nearby. Refer to BCM #2.	Refer to BCM #2 and asbestos abatement specifications.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:
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PFM - potentially friable material
BCM - buildng component and material
ACM - asbestos-containing material
PACM - presumed asbestos-containing material

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BCM # 75 PIPE INSULATION (CWR & CWS)

Description: *Present within Room 3982 where CWS and CWR alterations are planned.*

Colour: *White*
Friable: na

Samples: *ns*
Lab Result: *na*
Comment: *Pipe insulation is non-asbestos fibreglass but is mould-impacted.*


Room 3682 - view of mouldy existing chilled water lines.



Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
							Pipe insulation and nearby sprayed fireproofing do not contain asbestos. Ceiling tiles contain asbestos (refer to BCM #47).	Refer to specifications regarding precautions required to remove asbestos ceiling tiles and to abate mould-impacted pipe insulation.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
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BCM # 76 SPRAYED FIREPROOFING (SP-6)

Description: *Sprayed fireproofing is present above the north end of Corridor 4316A overtop block wall on beams and sporadically on the drywall ceiling as overspray.*

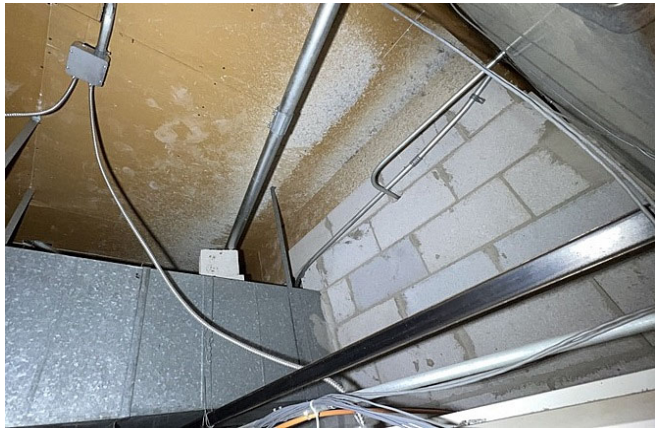
Colour: *Off-white*

Friable: Yes

Samples: *CPH-S19ABCD (UofW dB)*

Lab Result: *10% Chrysotile*

Comment: *Sprayed fireproofing overspray on drywall ceiling fire separation contains asbestos (UofW database). Firespray debris is also present on mechanical, electrical surfaces within the north end of the corridor.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
L4-09	Corridor 4316A (north end)	nq	Overspray / debris	-	D	Yes	SF overspray is present under the drywall fire separation ceiling to varing degrees. Some debris on horizontal surfaces is present. Refer to floorplan for approximate location.	Access to & working in ceiling space must follow O. Reg. 278/05 Type 2 operations. If < 1 m² of SF is disturbed or removed, follow Type 2 operations otherwise Type 3 operations apply.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

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Building Component and Materials (BCM) Inventory

BCM # 77 SPRAYED FIREPROOFING (SPR-2)

Description: *Light grey / white residual sprayed fireproofing under green tinted fireproofing in Room 4362 above ceiling grid.*

Colour: *Light grey / white*

Friable: na

Samples: *101ABC*

Lab Result: *None detected.*

Comment: *Sprayed fireproofing tested does not contain asbestos.*





Summary of ACMs and PACMs

Location #	Area Description	Quantity	Condition	Damaged Qty.	Acc.	Vis.	Comments	Recommendation
								No action required.

Accessibility (Acc.)

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility (Vis.)

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
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Notes:

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APPENDIX 4

Summary of Confirmed and Presumed
Asbestos-Containing Materials

Summary of Asbestos-Containing and Presumed Asbestos-Containing Materials

Loc. #	Loc. Description	BCM #	BCM Type	BCM Description	BCM Colour	Total Quantity	Cond.	Damaged Quantity	Acc.	Vis.	Fri?	Finding / Comments	Recommendations
All	Where present within the subject area.	61	Blackboards	Where present within subject area.	Black	nq	good	-	A	Yes	No	Blackboards are presumed to contain asbestos until testing proves otherwise.	Remove following O. Reg. 278/05 Type 1 operations using only non-powered, handheld tools while wetting.
All	Throughout the subject area	28	Block Wall Primer	Block wall primer throughout subject area.	Off-white	nq	good	-	A	Yes	No	Primer tested contains asbestos.	If disturbance is likely, follow O. Reg. 278/05 Type 2 operations using power tools attached to HEPA filtered dust collection system when disturbing primer otherwise higher level operations are required.

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D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

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Summary of Asbestos-Containing and Presumed Asbestos-Containing Materials

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All	Where present.	10	Brick, Block Wall Cavities and Intersitial Spaces	All interstitial spaces between brick and block walls, within cavities, pipe chases etc. throughout the subject area.	-	-	-	-	D	No	Yes	Given the historical use of asbestos-containing sprayed fireproofing in CPH, older asbestos fireproofing may be concealed within wall cavities, even in newly renovated areas of the building.	Avoid disturbance. Follow Type 2 operations where less than 1 m² of concealed fireproofing debris is encountered, disturbed or removed; otherwise, Type 3 operations apply. Were possible, incorporate block wall removals in existing Type 3 operations.
All	Throughout the subject area	29	Drywall Joint-fill Compound (DJFC-1)	Present throughout the subject area on drywall bulkheads, walls, enclosures, ceilings including ceilings above the suspended ceiling tile grid on the fourth floor.	Beige	nq	good	-	A	Yes	No	Drywall joint-fill compound tested contains asbestos.	Remove following O. Reg. 278/05 Type 2 operations.

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All	Where present throughout the subject area.	32	Drywall Joint-fill Compound / Mastic Pucks	Drywall compound / mastic pucks may be concealed behind drywall installed on concrete or block columns and walls.	-	nq	-	-	D	No	No	Drywall compound / mastic pucks concealed behind drywall should be presumed to contain asbestos.	Remove following O. Reg. 278/05 Type 1 operations using only non-powered handheld tools while wetting otherwise higher level precautions apply.
All	Where present throughout the building.	68	Ductwork (Internal)	Interior surfaces of all HVAC system components (including rigid duct work) are considered to be contaminated with asbestos fibres as asbestos-containing sprayed fireproofing is present in the CPH building.	na						Yes	Internal components of ductwork should be considered to be contaminated with asbestos fibres from asbestos fire spray insulation.	O. Reg. 278/05 Type 3 operations should be followed for cleaning or removing air handling equipment including rigid duct work. Safe work practices should be followed for duct connections (new to old ducts). Refer to asbestos abatement specifications.

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All	Where present.	69	Electric Equipment, Panels, Wiring Etc.	Electrical equipment where present within subject area.	Varies	nq	-	-	D	Yes	PFM	Electrical equipment (i.e., Square "D", panels, wire sheathing, cable wrap, circuit breakers, switches, fuse holders etc.) may contain asbestos materials (i.e. Bakelite, Transite etc.).	Avoid disturbance. If disturbance is likely, when deenergized, test suspect materials for asbestos. Confirmed and presumed asbestos-containing materials should be managed in accordance with O. Reg. 278/05 requirements.
All	Where present throughout the subject area.	8	Fire Rated Doors (Core Insulation)	Where present within subject area.	Varies	nq	good	-	-	-	PFM	Fire rated doors are presumed to contain asbestos until testing proves otherwise.	Intrusive testing of the door cores should be undertaken when door is removed to determine if core insulation contains asbestos. Remove intact and dispose of fire-rated doors as per O. Reg. 278/05 requirements if core contains or is presumed asbestos.
All	Where present.	65	Flexible Connectors	Fabric-type flexible connectors where present on ducting.	Off-white	nq	-	-	D	No	PFM	Flexible connectors are presumed to contain asbestos until testing proves otherwise.	Remove following O. Reg. 278/05 Type 3 operations.

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L2-01 to L2-17	Rooms 2374, 2374A to 2374E, 2376, 2376A to K	5	Sprayed Fireproofing Residual (SPR-1)	Residual sprayed fireproofing sporadically concealed behind non-asbestos sprayed fireproofing on the metal deck and beams, mechanical / electrical systems above suspended ceilings at various locations throughout the renovation area.	Varies	-	-	-	-	-	Yes	Residual sprayed fireproofing (SF) was asbestos-containing at some tested locations and non-asbestos at others. Since they cannot be reliably differentiated visually, all residual SF should be presumed asbestos-containing.	Avoid disturbance. Follow Type 2 operations where less than 1 m² of residual SF is disturbed or removed; otherwise, Type 3 operations apply.
L3-01	Room 3679	5	Sprayed Fireproofing Residual (SPR-1)	Residual sprayed fireproofing sporadically concealed behind non-asbestos sprayed fireproofing on the metal deck and beams, mechanical / electrical systems above suspended ceilings at various locations throughout the renovation area.	Varies	-	-	-	D	-	Yes	Residual sprayed fireproofing (SF) was asbestos-containing at some tested locations and non-asbestos at others. Since they cannot be reliably differentiated visually, all residual SF should be presumed asbestos-containing.	Avoid disturbance. Follow Type 2 operations where less than 1 m² of residual SF is disturbed or removed; otherwise, Type 3 operations apply.

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L3-01	Room 3679	47	Suspended Ceiling Tile (SCT-3)	2' x 4' ceiling tile with large and small patterned pinhole.	Off-white	90%	good	-	C	Yes	No	Ceiling tiles previously tested contain asbestos (UofW dB).	Follow O. Reg. 278/05 Type 2 operations to disturb or remove / replace ceiling tiles.
L3-01	Room 3679	49	Suspended Ceiling Tile (SCT-5)	2' x 4' ceiling tile textured with random large and small pinhole.	White	2 tiles	good	-	C	Yes	No	Ceiling tiles are presumed to contain asbestos.	Follow O. Reg. 278/05 Type 2 operations to disturb or remove / replace ceiling tiles.
L3-01	Room 3679	14	VFT Mastic (VFTM-1) & Levelling Compound (LC-2)	Floor tile mastic and levelling compound (LC) are present at various locations concealed beneath floor tiles.	Black, Yellow (mastic) Off-white (cementitous material)	nq	-	-	D	No	PFM	Mastic tested does not contain asbestos. Although levelling compound tested contains asbestos below the 0.5% threshold, levelling compound should be treated as asbestos containing.	Remove following O. Reg. 278/05 Type 2 operations using only power tools (i.e., grinders, shot blaster etc.) attached to HEPA filtered dust collecting devices otherwise Type 3 operations are required.
L3-01	Room 3679	11	Vinyl Floor Tile (VFT-1)	12" x 12" beige vinyl floor tile with light green streaks.	Beige	90%	good	-	A	Yes	No	Vinyl floor tiles previously tested contains asbestos (UofW dB).	Remove following O. Reg. 278/05 Type 1 operations (using only handheld non-powered tools while wetting the material).

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L3-02 to L3-06	Where present	14	VFT Mastic (VFTM-1) & Levelling Compound (LC-2)	Floor tile mastic and levelling compound (LC) are present at various locations concealed beneath floor tiles.	Black, Yellow (mastic) Off-white (cementitous material)	nq	-	-	D	No	PFM	Mastic tested does not contain asbestos. Although levelling compound tested contains asbestos below the 0.5% threshold, levelling compound should be treated as asbestos containing.	Remove following O. Reg. 278/05 Type 2 operations using only power tools (i.e., grinders, shot blaster etc.) attached to HEPA filtered dust collecting devices otherwise Type 3 operations are required.
L3-03	Room 3883A	2	Sprayed Fireproofing (SP-2)	Sprayed fireproofing on metal deck and beams above suspended ceiling tiles in Corridors 3883, Room 3883A and in Mechanical Room 3983.	White, Grey	All	good	-	C	Yes	Yes	Fireproofing tested contains asbestos. All mechanical, electrical, IT, ceiling grid and other systems and equipment surfaces within the ceiling space are contaminated with asbestos-containing sprayed fireproofing.	Follow Type 2 operations where less than 1 m² of material is removed or disturbed; otherwise, Type 3 operations apply.

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L3-03	Corridor 3879	5	Sprayed Fireproofing Residual (SPR-1)	Residual sprayed fireproofing sporadically concealed behind non-asbestos sprayed fireproofing on the metal deck and beams, mechanical / electrical systems above suspended ceilings at various locations throughout the renovation area.	Varies	-	-	-	D	-	Yes	Residual sprayed fireproofing (SF) was asbestos-containing at some tested locations and non-asbestos at others. Since they cannot be reliably differentiated visually, all residual SF should be presumed asbestos-containing.	Avoid disturbance. Follow Type 2 operations where less than 1 m² of residual SF is disturbed or removed; otherwise, Type 3 operations apply.
L3-03	Corridor 3879	47	Suspended Ceiling Tile (SCT-3)	2' x 4' ceiling tile with large and small patterned pinhole.	Off-white	90%	good	-	C	Yes	No	Ceiling tiles previously tested contain asbestos (UofW dB).	Follow O. Reg. 278/05 Type 2 operations to disturb or remove / replace ceiling tiles.
L3-03	Corridor 3879	49	Suspended Ceiling Tile (SCT-5)	2' x 4' ceiling tile textured with random large and small pinhole.	White	~ 10 tiles	good	-	C	Yes	No	Ceiling tiles are presumed to contain asbestos.	Follow O. Reg. 278/05 Type 2 operations to disturb or remove / replace ceiling tiles.

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L3-03	Corridor 3879	15	VFT Mastic (VFTM-1) & Levelling Compound (LC-3)	Where present under vinyl floor tile in Room 3883A, Corridors 3879, 3883 & Corridor 4316A.	Black, Yellow (mastic) Grey (cementitious material)	nq	-	-	D	No	PFM	Mastic tested does not contain asbestos. Levelling compound tested contains asbestos.	Remove following O. Reg. 278/05 Type 2 operations using only power tools (i.e., grinders, shot blaster etc.) attached to HEPA filtered dust collecting devices otherwise Type 3 operations are required.
L3-03	Corridor 3879	11	Vinyl Floor Tile (VFT-1)	12" x 12" beige vinyl floor tile with light green streaks.	Beige	90%	good	-	A	Yes	No	Vinyl floor tiles previously tested contains asbestos (UofW dB).	Remove following O. Reg. 278/05 Type 1 operations (using only handheld non-powered tools while wetting the material).
L3-04	Room 3982	5	Sprayed Fireproofing Residual (SPR-1)	Residual sprayed fireproofing sporadically concealed behind non-asbestos sprayed fireproofing on the metal deck and beams, mechanical / electrical systems above suspended ceilings at various locations throughout the renovation area.	Varies	-	-	-	D	-	Yes	Residual sprayed fireproofing (SF) was asbestos-containing at some tested locations and non-asbestos at others. Since they cannot be reliably differentiated visually, all residual SF should be presumed asbestos-containing.	Avoid disturbance. Follow Type 2 operations where less than 1 m² of residual SF is disturbed or removed; otherwise, Type 3 operations apply.

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L3-04	Room 3682	47	Suspended Ceiling Tile (SCT-3)	2' x 4' ceiling tile with large and small patterned pinhole.	Off-white	All	good	-	C	Yes	No	Ceiling tiles previously tested contain asbestos (UofW dB).	Follow O. Reg. 278/05 Type 2 operations to disturb or remove / replace ceiling tiles.
L3-04	Room 3682	11	Vinyl Floor Tile (VFT-1)	12" x 12" beige vinyl floor tile with light green streaks.	Beige	100%	good	-	A	Yes	No	Vinyl floor tiles previously tested contains asbestos (UofW dB).	Remove following O. Reg. 278/05 Type 1 operations (using only handheld non-powered tools while wetting the material).
L3-05	Corridor 3879	64	Parging Cement Fitting Insulation	Where present on valves and fittings.	Varies	4x	good	-	D	Yes	Yes		Avoid disturbance. If disturbance is likely, remove following O. Reg. 278/05 Glove Bag operations.
L3-05	Corridor 3883	74	Pipe Insulation (CWR & CWS)	Present within a portion of Corridor 3883 where CWS and CWR alterations are planned.	White	nq	fair	-	D	Yes	na	Pipe insulation is non-asbestos fibreglass but is mould-impacted. Asbestos-containing sprayed fireproofing is present on the deck and other surfaces, with debris present on ceiling tiles.	Refer to BCM #2 and asbestos abatement specifications.

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L3-05	Corridor 3883	2	Sprayed Fireproofing (SP-2)	Sprayed fireproofing on metal deck and beams above suspended ceiling tiles in Corridors 3883, Room 3883A and in Mechanical Room 3983.	White, Grey	All	fair-poor	20%	D	Yes	Yes	Fireproofing tested contains asbestos. All mechanical, electrical, IT, ceiling grid and other systems and equipment surfaces within the ceiling space are contaminated with asbestos-containing sprayed fireproofing.	Due to the presence of asbestos SF & debris, access to and working in ceiling space must follow O. Reg. 278/05 Type 2 operations. If < 1 m² of SF is disturbed or removed, follow Type 2 operations otherwise Type 3 operations apply.
L3-05	Corridor 3883	6	Sprayed Fireproofing Debris (Ceiling Spaces)	All mechanical, electrical, IT and other systems and equipment surfaces including surface of suspended ceiling tiles within the ceiling space of Corridors 3879 (portion of), 3883 & Mech. Rm. 3983.	Grey White	nq	debris (from friable ACM)	-	D	Yes	Yes	All mechanical, electrical, IT, and other system and equipment surfaces within the ceiling space, including the upper surfaces of suspended ceiling tiles, are contaminated with asbestos-containing sprayed fireproofing.	Due to the presence of asbestos sprayed fireproofing debris, work within the ceiling space must be undertaken following O. Reg. 278/05 Type 2 operations.

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L3-05	Corridor 3883	51	Suspended Ceiling Tile (SCT-7)	2' x 4' ceiling tile with width-wise fissure and random pinhole, light backing present in Corridor 3883.	White	nq	debris (from friable ACM)	75%	D	Yes	Yes	Ceiling tiles do not contain asbestos and are date-stamped 03/27/12; however, they are heavily contaminated with fallen asbestos-containing sprayed fireproofing.	Follow O. Reg. 278/05 Type 2 procedures to access and work in the ceiling space and to remove and dispose of SCT as asbestos waste.
L3-05	Corridor 3883	15	VFT Mastic (VFTM-1) & Levelling Compound (LC-3)	Where present under vinyl floor tile in Room 3883A, Corridors 3879, 3883 & Corridor 4316A.	Black, Yellow (mastic) Grey (cementitious material)	nq	-	-	D	No	PFM	Mastic tested does not contain asbestos. Levelling compound tested contains asbestos.	Remove following O. Reg. 278/05 Type 2 operations using only power tools (i.e., grinders, shot blaster etc.) attached to HEPA filtered dust collecting devices otherwise Type 3 operations are required.
L3-05	Corridor 3883	11	Vinyl Floor Tile (VFT-1)	12" x 12" beige vinyl floor tile with light green streaks.	Beige	90%	good	2%	A	Yes	No	Vinyl floor tiles previously tested contains asbestos (UofW dB).	Remove following O. Reg. 278/05 Type 1 operations (using only handheld non-powered tools while wetting the material).

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L3-06	Room 3883A	15	VFT Mastic (VFTM-1) & Levelling Compound (LC-3)	Where present under vinyl floor tile in Room 3883A, Corridors 3879, 3883 & Corridor 4316A.	Black, Yellow (mastic) Grey (cementitio us material)	nq	-	-	D	No	PFM	Mastic tested does not contain asbestos. Levelling compound tested contains asbestos.	Remove following O. Reg. 278/05 Type 2 operations using only power tools (i.e., grinders, shot blaster etc.) attached to HEPA filtered dust collecting devices otherwise Type 3 operations are required.
L3-06	Room 3883A	11	Vinyl Floor Tile (VFT-1)	12" x 12" beige vinyl floor tile with light green streaks.	Beige	90%	good	-	A	Yes	No	Vinyl floor tiles previously tested contains asbestos (UofW dB).	Remove following O. Reg. 278/05 Type 1 operations (using only handheld non-powered tools while wetting the material).
L3-07	Mechanical Room 3983 within subject area	64	Parging Cement Fitting Insulation	Where present on valves and fittings.	Varies	2x	good	-	C	Yes	Yes		Avoid disturbance. If disturbance is likely, remove following O. Reg. 278/05 Glove Bag operations.

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D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
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Summary of Asbestos-Containing and Presumed Asbestos-Containing Materials

Loc. #	Loc. Description	BCM #	BCM Type	BCM Description	BCM Colour	Total Quantity	Cond.	Damaged Quantity	Acc.	Vis.	Fri?	Finding / Comments	Recommendations
L3-07	Mech. Rm. 3983	73	Pipe Insulation (CWR & CWS)	Present within the portion of Mechanical Room 3983 where CWS and CWR alterations are planned.	Green	nq	good	0	C	Yes	na	Insulation does not contain asbestos (fibreglass); however fallen asbestos sprayed fireproofing debris is present on the surface of the pipe insulation.	Follow O. Reg. 278/05 Type 2 cleanup procedures, including HEPA vacuuming and wet wiping methods. Use barriers or an enclosure as required to prevent disturbance of nearby asbestos-containing sprayed fireproofing. Refer to the specifications.
L3-07	Mechanical Room 3983	2	Sprayed Fireproofing (SP-2)	Sprayed fireproofing on metal deck and beams above suspended ceiling tiles in Corridors 3883, Room 3883A and in Mechanical Room 3983.	White, Grey	All	good-fair	10%	D	Yes	Yes	Fireproofing tested contains asbestos. All mechanical, electrical, IT, ceiling grid and other systems and equipment surfaces within the ceiling space are contaminated with asbestos-containing sprayed fireproofing.	Follow O. Reg. 278/05 Type 2 cleanup operations to cleanup SF dust and debris. If < 1 m² of SF is disturbed or removed, follow Type 2 operations otherwise Type 3 operations apply.

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L3-07	Mechanical Room 3983	6	Sprayed Fireproofing Debris (Ceiling Spaces)	All mechanical, electrical, IT and other systems and equipment surfaces including surface of suspended ceiling tiles within the ceiling space of Corridors 3879 (portion of), 3883 & Mech. Rm. 3983.	Grey White	nq	debris (from friable ACM)	-	D	Yes	Yes	All mechanical, electrical, IT, and other system and equipment surfaces within the ceiling space, including the upper surfaces of suspended ceiling tiles, are contaminated with asbestos-containing sprayed fireproofing.	Prior to work, surfaces should be pre-cleaned following O. Reg. 278/05 Type 2 operations using HEPA vacuum and wet wiping methods (no enclosure required).
L3-08	Room 3606A	5	Sprayed Fireproofing Residual (SPR-1)	Residual sprayed fireproofing sporadically concealed behind non-asbestos sprayed fireproofing on the metal deck and beams, mechanical / electrical systems above suspended ceilings at various locations throughout the renovation area.	Varies	-	-	-	-		Yes	Residual sprayed fireproofing (SF) was asbestos-containing at some tested locations and non-asbestos at others. Since they cannot be reliably differentiated visually, all residual SF should be presumed asbestos-containing.	Avoid disturbance. Follow Type 2 operations where less than 1 m² of residual SF is disturbed or removed; otherwise, Type 3 operations apply.

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L3-08 to L3-11	Where present	14	VFT Mastic (VFTM-1) & Levelling Compound (LC-2)	Floor tile mastic and levelling compound (LC) are present at various locations concealed beneath floor tiles.	Black, Yellow (mastic) Off-white (cementitous material)	nq	-	-	D	No	PFM	Mastic tested does not contain asbestos. Although levelling compound tested contains asbestos below the 0.5% threshold, levelling compound should be treated as asbestos containing.	Remove following O. Reg. 278/05 Type 2 operations using only power tools (i.e., grinders, shot blaster etc.) attached to HEPA filtered dust collecting devices otherwise Type 3 operations are required.
L3-09	Room 3606	5	Sprayed Fireproofing Residual (SPR-1)	Residual sprayed fireproofing sporadically concealed behind non-asbestos sprayed fireproofing on the metal deck and beams, mechanical / electrical systems above suspended ceilings at various locations throughout the renovation area.	Varies	-	-	-	-	-	Yes	Residual sprayed fireproofing (SF) was asbestos-containing at some tested locations and non-asbestos at others. Since they cannot be reliably differentiated visually, all residual SF should be presumed asbestos-containing.	Avoid disturbance. Follow Type 2 operations where less than 1 m² of residual SF is disturbed or removed; otherwise, Type 3 operations apply.

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L3-10	Room 3881	5	Sprayed Fireproofing Residual (SPR-1)	Residual sprayed fireproofing sporadically concealed behind non-asbestos sprayed fireproofing on the metal deck and beams, mechanical / electrical systems above suspended ceilings at various locations throughout the renovation area.	Varies	-	-	-	-	Yes	Residual sprayed fireproofing (SF) was asbestos-containing at some tested locations and non-asbestos at others. Since they cannot be reliably differentiated visually, all residual SF should be presumed asbestos-containing.	Avoid disturbance. Follow Type 2 operations where less than 1 m² of residual SF is disturbed or removed; otherwise, Type 3 operations apply.
L3-11	Room 3603	21	Carpet Mastic (CM-3) & Levelling Compound (LC-4)	Present below carpet in Room 3603.	Yellow (mastic) Grey (cementitious material)	nq	-	-	D	No	No	Mastic tested does not contain asbestos. Levelling compound tested contains asbestos.	Remove following O. Reg. 278/05 Type 2 operations using only power tools (i.e., grinders, shot blaster etc.) attached to HEPA filtered dust collecting devices otherwise Type 3 operations are required.

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L3-11	Room 3603	5	Sprayed Fireproofing Residual (SPR-1)	Residual sprayed fireproofing sporadically concealed behind non-asbestos sprayed fireproofing on the metal deck and beams, mechanical / electrical systems above suspended ceilings at various locations throughout the renovation area.	Varies	-	-	-	-		Yes	Residual sprayed fireproofing (SF) was asbestos-containing at some tested locations and non-asbestos at others. Since they cannot be reliably differentiated visually, all residual SF should be presumed asbestos-containing.	Avoid disturbance. Follow Type 2 operations where less than 1 m² of residual SF is disturbed or removed; otherwise, Type 3 operations apply.
L4-01	Room 3606A (upper)	5	Sprayed Fireproofing Residual (SPR-1)	Residual sprayed fireproofing sporadically concealed behind non-asbestos sprayed fireproofing on the metal deck and beams, mechanical / electrical systems above suspended ceilings at various locations throughout the renovation area.	Varies	-	-	-	-		Yes	Residual sprayed fireproofing (SF) was asbestos-containing at some tested locations and non-asbestos at others. Since they cannot be reliably differentiated visually, all residual SF should be presumed asbestos-containing.	Avoid disturbance. Follow Type 2 operations where less than 1 m² of residual SF is disturbed or removed; otherwise, Type 3 operations apply.

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L4-01 to L4-08	Where present	14	VFT Mastic (VFTM-1) & Levelling Compound (LC-2)	Floor tile mastic and levelling compound (LC) are present at various locations concealed beneath floor tiles.	Black, Yellow (mastic) Off-white (cementitous material)	nq	-	-	D	No	PFM	Mastic tested does not contain asbestos. Although levelling compound tested contains asbestos below the 0.5% threshold, levelling compound should be treated as asbestos containing.	Remove following O. Reg. 278/05 Type 2 operations using only power tools (i.e., grinders, shot blaster etc.) attached to HEPA filtered dust collecting devices otherwise Type 3 operations are required.
L4-02	Room 3606 (upper)	5	Sprayed Fireproofing Residual (SPR-1)	Residual sprayed fireproofing sporadically concealed behind non-asbestos sprayed fireproofing on the metal deck and beams, mechanical / electrical systems above suspended ceilings at various locations throughout the renovation area.	Varies	-	-	-	-	-	Yes	Residual sprayed fireproofing (SF) was asbestos-containing at some tested locations and non-asbestos at others. Since they cannot be reliably differentiated visually, all residual SF should be presumed asbestos-containing.	Avoid disturbance. Follow Type 2 operations where less than 1 m² of residual SF is disturbed or removed; otherwise, Type 3 operations apply.

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L4-03	Room 4316C	5	Sprayed Fireproofing Residual (SPR-1)	Residual sprayed fireproofing sporadically concealed behind non-asbestos sprayed fireproofing on the metal deck and beams, mechanical / electrical systems above suspended ceilings at various locations throughout the renovation area.	Varies	-	-	-	-	-	Yes	Residual sprayed fireproofing (SF) was asbestos-containing at some tested locations and non-asbestos at others. Since they cannot be reliably differentiated visually, all residual SF should be presumed asbestos-containing.	Avoid disturbance. Follow Type 2 operations where less than 1 m² of residual SF is disturbed or removed; otherwise, Type 3 operations apply.
L4-05	Room 4369	7	Drywall Joint-fill Compound (Ceilings)	Drywall ceilings are present throughout the fourth floor and serve as part of the fire separation assembly.	Off-white	nq	good	-	D	Yes	No	The joint-fill compound associated with the drywall ceilings contains asbestos. Based on inspections completed at select locations, sprayed fireproofing does not appear to be present above the fourth-floor drywall ceilings.	Remove following O. Reg. 278/05 Type 2 operations.

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L4-05	Room 4369	5	Sprayed Fireproofing Residual (SPR-1)	Residual sprayed fireproofing sporadically concealed behind non-asbestos sprayed fireproofing on the metal deck and beams, mechanical / electrical systems above suspended ceilings at various locations throughout the renovation area.	Varies	-	-	-	-	-	Yes	Residual sprayed fireproofing (SF) was asbestos-containing at some tested locations and non-asbestos at others. Since they cannot be reliably differentiated visually, all residual SF should be presumed asbestos-containing.	Avoid disturbance. Follow Type 2 operations where less than 1 m² of residual SF is disturbed or removed; otherwise, Type 3 operations apply.
L4-06	Room 4367	7	Drywall Joint-fill Compound (Ceilings)	Drywall ceilings are present throughout the fourth floor and serve as part of the fire separation assembly.	Off-white	nq	good	-	D	Yes	No	The joint-fill compound associated with the drywall ceilings contains asbestos. Based on inspections completed at select locations, sprayed fireproofing does not appear to be present above the fourth-floor drywall ceilings.	Remove following O. Reg. 278/05 Type 2 operations.
L4-06	Room 4367	64	Parging Cement Fitting Insulation	Where present on valves and fittings.	Varies	2x	good	-	D	Yes	Yes		Avoid disturbance. If disturbance is likely, remove following O. Reg. 278/05 Glove Bag operations.

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L4-06	Room 4367	5	Sprayed Fireproofing Residual (SPR-1)	Residual sprayed fireproofing sporadically concealed behind non-asbestos sprayed fireproofing on the metal deck and beams, mechanical / electrical systems above suspended ceilings at various locations throughout the renovation area.	Varies	-	-	-	-	-	Yes	Residual sprayed fireproofing (SF) was asbestos-containing at some tested locations and non-asbestos at others. Since they cannot be reliably differentiated visually, all residual SF should be presumed asbestos-containing.	Avoid disturbance. Follow Type 2 operations where less than 1 m² of residual SF is disturbed or removed; otherwise, Type 3 operations apply.
L4-07	Room 4362	5	Sprayed Fireproofing Residual (SPR-1)	Residual sprayed fireproofing sporadically concealed behind non-asbestos sprayed fireproofing on the metal deck and beams, mechanical / electrical systems above suspended ceilings at various locations throughout the renovation area.	Varies	-	-	-	-	-	Yes	Residual sprayed fireproofing (SF) was asbestos-containing at some tested locations and non-asbestos at others. Since they cannot be reliably differentiated visually, all residual SF should be presumed asbestos-containing.	Avoid disturbance. Follow Type 2 operations where less than 1 m² of residual SF is disturbed or removed; otherwise, Type 3 operations apply.

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L4-08	Room 4360	7	Drywall Joint-fill Compound (Ceilings)	Drywall ceilings are present throughout the fourth floor and serve as part of the fire separation assembly.	Off-white	nq	good	-	D	Yes	No	The joint-fill compound associated with the drywall ceilings contains asbestos. Based on inspections completed at select locations, sprayed fireproofing does not appear to be present above the fourth-floor drywall ceilings.	Remove following O. Reg. 278/05 Type 2 operations.
L4-08	Room 4360	11	Vinyl Floor Tile (VFT-1)	12" x 12" beige vinyl floor tile with light green streaks.	Beige	100%	good	-	A	Yes	No	Vinyl floor tiles previously tested contains asbestos (UofW dB).	Remove following O. Reg. 278/05 Type 1 operations (using only handheld non-powered tools while wetting the material).
L4-09	Corridor 4316A	7	Drywall Joint-fill Compound (Ceilings)	Drywall ceilings are present throughout the fourth floor and serve as part of the fire separation assembly.	Off-white	nq	good	-	D	Yes	No	The joint-fill compound associated with the drywall ceilings contains asbestos. Based on inspections completed at select locations, sprayed fireproofing does not appear to be present above the fourth-floor drywall ceilings.	Remove following O. Reg. 278/05 Type 2 operations.

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L4-09	Corridor 4316A (north end)	76	Sprayed Fireproofing (SP-6)	Sprayed fireproofing is present above the north end of Corridor 4316A overtop block wall on beams and sporadically on the drywall ceiling as overspray.	Off-white	nq	Overspray / debris	-	D	Yes	Yes	Sprayed fireproofing overspray on drywall ceiling fire separation contains asbestos (UofW database). Firespray debris is also present on mechanical, electrical surfaces within the north end of the corridor.	Access to & working in ceiling space must follow O. Reg. 278/05 Type 2 operations. If < 1 m² of SF is disturbed or removed, follow Type 2 operations otherwise Type 3 operations apply.
L4-09	Corridor 4316A	47	Suspended Ceiling Tile (SCT-3)	2' x 4' ceiling tile with large and small patterned pinhole.	Off-white	75%	good	-	C	Yes	No	Ceiling tiles previously tested contain asbestos (UofW dB).	Follow O. Reg. 278/05 Type 2 operations to disturb or remove / replace ceiling tiles.
L4-09	Where present	14	VFT Mastic (VFTM-1) & Levelling Compound (LC-2)	Floor tile mastic and levelling compound (LC) are present at various locations concealed beneath floor tiles.	Black, Yellow (mastic) Off-white (cementitous material)	nq	-	-	D	No	PFM	Mastic tested does not contain asbestos. Although levelling compound tested contains asbestos below the 0.5% threshold, levelling compound should be treated as asbestos containing.	Remove following O. Reg. 278/05 Type 2 operations using only power tools (i.e., grinders, shot blaster etc.) attached to HEPA filtered dust collecting devices otherwise Type 3 operations are required.

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L4-09	Corridor 4316A	11	Vinyl Floor Tile (VFT-1)	12" x 12" beige vinyl floor tile with light green streaks.	Beige	90%	good	-	A	Yes	No	Vinyl floor tiles previously tested contains asbestos (UofW dB).	Remove following O. Reg. 278/05 Type 1 operations (using only handheld non-powered tools while wetting the material).
L4-09	Corridor 4316A (south end)	12	Vinyl Floor Tile (VFT-2) and Mastic	12" x 12" white vinyl floor tile and mastic at south end of Corridor 4316A.	White (tile) Black (mastic)	~100 sf	good	-	A	Yes	No	Vinyl floor tile is presumed to contain asbestos, as asbestos-containing mastic is adhered to the tile. The mastic was previously confirmed to contain asbestos in the UofW database.	Remove following O. Reg. 278/05 Type 1 operations (using only handheld non-powered tools while wetting the material).
L4-09	Corridor 4316A (outside Office 4301)	13	Vinyl Floor Tile (VFT-3)	12" x 12" brown & beige vinyl floor tile outside of Office 4301.	Brown Beige	~25 sf	good	-	A	Yes	No	Vinyl floor tile is presumed to contain asbestos (not sampled due to small quantity of tile present).	Remove following O. Reg. 278/05 Type 1 operations (using only handheld non-powered tools while wetting the material).

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Summary of Asbestos-Containing and Presumed Asbestos-Containing Materials

Loc. #	Loc. Description	BCM #	BCM Type	BCM Description	BCM Colour	Total Quantity	Cond.	Damaged Quantity	Acc.	Vis.	Fri?	Finding / Comments	Recommendations
L4-10	Room 4301	7	Drywall Joint-fill Compound (Ceilings)	Drywall ceilings are present throughout the fourth floor and serve as part of the fire separation assembly.	Off-white	nq	good	-	D	Yes	No	The joint-fill compound associated with the drywall ceilings contains asbestos. Based on inspections completed at select locations, sprayed fireproofing does not appear to be present above the fourth-floor drywall ceilings.	Remove following O. Reg. 278/05 Type 2 operations.
L4-10	Where present	14	VFT Mastic (VFTM-1) & Levelling Compound (LC-2)	Floor tile mastic and levelling compound (LC) are present at various locations concealed beneath floor tiles.	Black, Yellow (mastic) Off-white (cementitous material)	nq	-	-	D	No	PFM	Mastic tested does not contain asbestos. Although levelling compound tested contains asbestos below the 0.5% threshold, levelling compound should be treated as asbestos containing.	Remove following O. Reg. 278/05 Type 2 operations using only power tools (i.e., grinders, shot blaster etc.) attached to HEPA filtered dust collecting devices otherwise Type 3 operations are required.

Accessibility

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
na - not applicable
ns - not sampled
F - friable
NF - non friable
PFM - potentially friable material
ACM - asbestos-containing material
BCM - building component and material
Acc. - accessibility
Vis. - visibility
Fri, - friability

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Summary of Asbestos-Containing and Presumed Asbestos-Containing Materials

Loc. #	Loc. Description	BCM #	BCM Type	BCM Description	BCM Colour	Total Quantity	Cond.	Damaged Quantity	Acc.	Vis.	Fri?	Finding / Comments	Recommendations
L4-11	Room 4316B	7	Drywall Joint-fill Compound (Ceilings)	Drywall ceilings are present throughout the fourth floor and serve as part of the fire separation assembly.	Off-white	nq	good	-	D	Yes	No	The joint-fill compound associated with the drywall ceilings contains asbestos. Based on inspections completed at select locations, sprayed fireproofing does not appear to be present above the fourth-floor drywall ceilings.	Remove following O. Reg. 278/05 Type 2 operations.
L4-11	Where present	14	VFT Mastic (VFTM-1) & Levelling Compound (LC-2)	Floor tile mastic and levelling compound (LC) are present at various locations concealed beneath floor tiles.	Black, Yellow (mastic) Off-white (cementitous material)	nq	-	-	D	No	PFM	Mastic tested does not contain asbestos. Although levelling compound tested contains asbestos below the 0.5% threshold, levelling compound should be treated as asbestos containing.	Remove following O. Reg. 278/05 Type 2 operations using only power tools (i.e., grinders, shot blaster etc.) attached to HEPA filtered dust collecting devices otherwise Type 3 operations are required.

Accessibility

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

nq - not quantified
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Summary of Asbestos-Containing and Presumed Asbestos-Containing Materials

Loc. #	Loc. Description	BCM #	BCM Type	BCM Description	BCM Colour	Total Quantity	Cond.	Damaged Quantity	Acc.	Vis.	Fri?	Finding / Comments	Recommendations
L4-12 to L4-39	Offices 4310 to 4366	7	Drywall Joint-fill Compound (Ceilings)	Drywall ceilings are present throughout the fourth floor and serve as part of the fire separation assembly.	Off-white	nq	good	-	D	Yes	No	The joint-fill compound associated with the drywall ceilings contains asbestos. Based on inspections completed at select locations, sprayed fireproofing does not appear to be present above the fourth-floor drywall ceilings.	Remove following O. Reg. 278/05 Type 2 operations.
L4-12 to L4-39	Where present	14	VFT Mastic (VFTM-1) & Levelling Compound (LC-2)	Floor tile mastic and levelling compound (LC) are present at various locations concealed beneath floor tiles.	Black, Yellow (mastic) Off-white (cementitous material)	nq	-	-	D	No	PFM	Mastic tested does not contain asbestos. Although levelling compound tested contains asbestos below the 0.5% threshold, levelling compound should be treated as asbestos containing.	Remove following O. Reg. 278/05 Type 2 operations using only power tools (i.e., grinders, shot blaster etc.) attached to HEPA filtered dust collecting devices otherwise Type 3 operations are required.
L4-12 to L4-39	Where present at Offices 4310 to 4366	42	Window Butyl (WB-3)	Present on interior fourth floor office windows.	Black	nq	good	-	A	Yes	No	Butyl tested contains asbestos.	Remove following O. Reg. 278/05 Type 1 operations (using only non-powered handheld tools while wetting the material).

Accessibility

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C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

Notes:

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na - not applicable
ns - not sampled
F - friable
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Summary of Asbestos-Containing and Presumed Asbestos-Containing Materials

Loc. #	Loc. Description	BCM #	BCM Type	BCM Description	BCM Colour	Total Quantity	Cond.	Damaged Quantity	Acc.	Vis.	Fri?	Finding / Comments	Recommendations
L4-12 to L4-39	Offices: Rooms 4312, 4314, 4316, 4318, 4320, 4322, 4324, 4326, 4353, 4355, 4357, 4361, 4363, 4364, 4366	47	Suspended Ceiling Tile (SCT-3)	2' x 4' ceiling tile with large and small patterned pinhole.	Off-white	All	good	-	C	Yes	No	Ceiling tiles previously tested contain asbestos (UofW dB).	Follow O. Reg. 278/05 Type 2 operations to disturb or remove / replace ceiling tiles.
L4-40	Room 4335	7	Drywall Joint-fill Compound (Ceilings)	Drywall ceilings are present throughout the fourth floor and serve as part of the fire separation assembly.	Off-white	nq	good	-	D	Yes	No	The joint-fill compound associated with the drywall ceilings contains asbestos. Based on inspections completed at select locations, sprayed fireproofing does not appear to be present above the fourth-floor drywall ceilings.	Remove following O. Reg. 278/05 Type 2 operations.

Accessibility

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
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F - friable
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Summary of Asbestos-Containing and Presumed Asbestos-Containing Materials

Loc. #	Loc. Description	BCM #	BCM Type	BCM Description	BCM Colour	Total Quantity	Cond.	Damaged Quantity	Acc.	Vis.	Fri?	Finding / Comments	Recommendations
L4-40	Room 4335	26	Residual Mastic	Present under carpet in Room 4335.	Black, Yellow	nq	good	-	D	No	No	Mastic tested contains asbestos.	Remove following O. Reg. 278/05 Type 2 operations using only power tools (i.e., grinders, shot blaster etc.) attached to HEPA filtered dust collecting devices otherwise higher Type 3 operations are required.
L4-40 to L4-42	Where present	14	VFT Mastic (VFTM-1) & Levelling Compound (LC-2)	Floor tile mastic and levelling compound (LC) are present at various locations concealed beneath floor tiles.	Black, Yellow (mastic) Off-white (cementitous material)	nq	-	-	D	No	PFM	Mastic tested does not contain asbestos. Although levelling compound tested contains asbestos below the 0.5% threshold, levelling compound should be treated as asbestos containing.	Remove following O. Reg. 278/05 Type 2 operations using only power tools (i.e., grinders, shot blaster etc.) attached to HEPA filtered dust collecting devices otherwise Type 3 operations are required.

Accessibility

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility

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No - Suspect material can only be viewed if access hatches are opened or ceiling tiles lifted.

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F - friable
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Summary of Asbestos-Containing and Presumed Asbestos-Containing Materials

Loc. #	Loc. Description	BCM #	BCM Type	BCM Description	BCM Colour	Total Quantity	Cond.	Damaged Quantity	Acc.	Vis.	Fri?	Finding / Comments	Recommendations
L4-42	Room 4333	7	Drywall Joint-fill Compound (Ceilings)	Drywall ceilings are present throughout the fourth floor and serve as part of the fire separation assembly.	Off-white	nq	good	-	D	Yes	No	The joint-fill compound associated with the drywall ceilings contains asbestos. Based on inspections completed at select locations, sprayed fireproofing does not appear to be present above the fourth-floor drywall ceilings.	Remove following O. Reg. 278/05 Type 2 operations.

Accessibility

A - Areas of the building within reach (from floor level) of all building users
B - Frequently entered maintenance areas within reach of maintenance staff, without the need for a ladder
C - Areas of the building above 2.4 m where use of a ladder is required to reach the asbestos
D - Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition of the ceiling, wall, or equipment, etc., is required to reach the asbestos

Visibility

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles
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Notes:

nq - not quantified
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F - friable
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APPENDIX 5

Room-by-Room Summary

TABLE 1 - ROOM-BY-ROOM SUMMARY

ROOM #	ROOM NAME	BUILDING MATERIAL	MATERIAL DESCRIPTION	BCM #	Asbestos Classification
SECOND FLOOR					
2374	Hallway	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Drywall Joint-Fill Compound (DJFC-3)	Interior demising walls, renovated 2007/2008	31	Non ACM
		Block Wall Primer	-	28	ACM
		Suspended Ceiling Tile (SCT-15)	2' x 4' Medium Fissure, Random Pinhole	59	Non ACM
		Sprayed Fireproofing (SP-3)	Green Tint	3	Non ACM
		Sprayed Fireproofing Residual (SPR-1)	Varies	5	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
2374A	Foot Bath	Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Drywall Joint-Fill Compound (DJFC-3)	Interior demising walls, renovated 2007/2008	31	Non ACM
		Block Wall Primer	-	28	ACM
		Suspended Ceiling Tile (SCT-15)	2' x 4' Medium Fissure, Random Pinhole	59	Non ACM
		Sprayed Fireproofing (SP-3)	Green Tint	3	Non ACM
		Sprayed Fireproofing Residual (SPR-1)	Varies	5	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
2374B	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Drywall Joint-Fill Compound (DJFC-3)	Interior demising walls, renovated 2007/2008	31	Non ACM
		Block Wall Primer	-	28	ACM
		Suspended Ceiling Tile (SCT-15)	2' x 4' Medium Fissure, Random Pinhole	59	Non ACM
		Sprayed Fireproofing (SP-3)	Green Tint	3	Non ACM
		Sprayed Fireproofing Residual (SPR-1)	Varies	5	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
2374C	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Drywall Joint-Fill Compound (DJFC-3)	Interior demising walls, renovated 2007/2008	31	Non ACM
		Block Wall Primer	-	28	ACM
		Suspended Ceiling Tile (SCT-15)	2' x 4' Medium Fissure, Random Pinhole	59	Non ACM
		Sprayed Fireproofing (SP-3)	Green Tint	3	Non ACM
		Sprayed Fireproofing Residual (SPR-1)	Varies	5	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM

ACM - ASBESTOS-CONTAINING MATERIAL
BCM - BUILDING COMPONENT OR MATERIAL

TABLE 1 - ROOM-BY-ROOM SUMMARY

ROOM #	ROOM NAME	BUILDING MATERIAL	MATERIAL DESCRIPTION	BCM #	Asbestos Classification
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
2374D	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Drywall Joint-Fill Compound (DJFC-3)	Interior demising walls, renovated 2007/2008	31	Non ACM
		Block Wall Primer	-	28	ACM
		Suspended Ceiling Tile (SCT-15)	2' x 4' Medium Fissure, Random Pinhole	59	Non ACM
		Sprayed Fireproofing (SP-3)	Green Tint	3	Non ACM
		Sprayed Fireproofing Residual (SPR-1)	Varies	5	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
2374E	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Drywall Joint-Fill Compound (DJFC-3)	Interior demising walls, renovated 2007/2008	31	Non ACM
		Block Wall Primer	-	28	ACM
		Suspended Ceiling Tile (SCT-15)	2' x 4' Medium Fissure, Random Pinhole	59	Non ACM
		Sprayed Fireproofing (SP-3)	Green Tint	3	Non ACM
		Sprayed Fireproofing Residual (SPR-1)	Varies	5	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
2376	Hallway	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Drywall Joint-Fill Compound (DJFC-3)	Interior demising walls, renovated 2007/2008	31	Non ACM
		Block Wall Primer	-	28	ACM
		Suspended Ceiling Tile (SCT-15)	2' x 4' Medium Fissure, Random Pinhole	59	Non ACM
		Sprayed Fireproofing (SP-3)	Green Tint	3	Non ACM
		Sprayed Fireproofing Residual (SPR-1)	Varies	5	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
2376A	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Drywall Joint-Fill Compound (DJFC-3)	Interior demising walls, renovated 2007/2008	31	Non ACM
		Block Wall Primer	-	28	ACM
		Suspended Ceiling Tile (SCT-15)	2' x 4' Medium Fissure, Random Pinhole	59	Non ACM
		Sprayed Fireproofing (SP-3)	Green Tint	3	Non ACM
		Sprayed Fireproofing Residual (SPR-1)	Varies	5	ACM

ACM - ASBESTOS-CONTAINING MATERIAL
BCM - BUILDING COMPONENT OR MATERIAL

TABLE 1 - ROOM-BY-ROOM SUMMARY

ROOM #	ROOM NAME	BUILDING MATERIAL	MATERIAL DESCRIPTION	BCM #	Asbestos Classification
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
2376B	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Drywall Joint-Fill Compound (DJFC-3)	Interior demising walls, renovated 2007/2008	31	Non ACM
		Block Wall Primer	-	28	ACM
		Suspended Ceiling Tile (SCT-15)	2' x 4' Medium Fissure, Random Pinhole	59	Non ACM
		Sprayed Fireproofing (SP-3)	Green Tint	3	Non ACM
		Sprayed Fireproofing Residual (SPR-1)	Varies	5	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
2376C	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Drywall Joint-Fill Compound (DJFC-3)	Interior demising walls, renovated 2007/2008	31	Non ACM
		Block Wall Primer	-	28	ACM
		Suspended Ceiling Tile (SCT-15)	2' x 4' Medium Fissure, Random Pinhole	59	Non ACM
		Sprayed Fireproofing (SP-3)	Green Tint	3	Non ACM
		Sprayed Fireproofing Residual (SPR-1)	Varies	5	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
2376D	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Drywall Joint-Fill Compound (DJFC-3)	Interior demising walls, renovated 2007/2008	31	Non ACM
		Block Wall Primer	-	28	ACM
		Suspended Ceiling Tile (SCT-15)	2' x 4' Medium Fissure, Random Pinhole	59	Non ACM
		Sprayed Fireproofing (SP-3)	Green Tint	3	Non ACM
		Sprayed Fireproofing Residual (SPR-1)	Varies	5	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
2376E	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Drywall Joint-Fill Compound (DJFC-3)	Interior demising walls, renovated 2007/2008	31	Non ACM
		Block Wall Primer	-	28	ACM
		Suspended Ceiling Tile (SCT-15)	2' x 4' Medium Fissure, Random Pinhole	59	Non ACM
		Sprayed Fireproofing (SP-3)	Green Tint	3	Non ACM
		Sprayed Fireproofing Residual (SPR-1)	Varies	5	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Vinyl Sheet Floor	Blue	-	Non ACM
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM

ACM - ASBESTOS-CONTAINING MATERIAL
BCM - BUILDING COMPONENT OR MATERIAL

TABLE 1 - ROOM-BY-ROOM SUMMARY

ROOM #	ROOM NAME	BUILDING MATERIAL	MATERIAL DESCRIPTION	BCM #	Asbestos Classification
2376F	Kitchenette	Drywall Joint-Fill Compound (DJFC-3)	Interior demising walls, renovated 2007/2008	31	Non ACM
		Block Wall Primer	-	28	ACM
		Ceramic Tile	-	-	Non ACM
		Suspended Ceiling Tile (SCT-15)	2' x 4' Medium Fissure, Random Pinhole	59	Non ACM
		Sprayed Fireproofing (SP-3)	Green Tint	3	Non ACM
		Sprayed Fireproofing Residual (SPR-1)	Varies	5	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
2376G	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Drywall Joint-Fill Compound (DJFC-3)	Interior demising walls, renovated 2007/2008	31	Non ACM
		Block Wall Primer	-	28	ACM
		Suspended Ceiling Tile (SCT-15)	2' x 4' Medium Fissure, Random Pinhole	59	Non ACM
		Sprayed Fireproofing (SP-3)	Green Tint	3	Non ACM
		Sprayed Fireproofing Residual (SPR-1)	Varies	5	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
2376H	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Drywall Joint-Fill Compound (DJFC-3)	Interior demising walls, renovated 2007/2008	31	Non ACM
		Block Wall Primer	-	28	ACM
		Suspended Ceiling Tile (SCT-15)	2' x 4' Medium Fissure, Random Pinhole	59	Non ACM
		Sprayed Fireproofing (SP-3)	Green Tint	3	Non ACM
		Sprayed Fireproofing Residual (SPR-1)	Varies	5	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
2376J	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Drywall Joint-Fill Compound (DJFC-3)	Interior demising walls, renovated 2007/2008	31	Non ACM
		Block Wall Primer	-	28	ACM
		Suspended Ceiling Tile (SCT-15)	2' x 4' Medium Fissure, Random Pinhole	59	Non ACM
		Sprayed Fireproofing (SP-3)	Green Tint	3	Non ACM
		Sprayed Fireproofing Residual (SPR-1)	Varies	5	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Drywall Joint-Fill Compound (DJFC-3)	Interior demising walls, renovated 2007/2008	31	Non ACM

ACM - ASBESTOS-CONTAINING MATERIAL
BCM - BUILDING COMPONENT OR MATERIAL

TABLE 1 - ROOM-BY-ROOM SUMMARY

ROOM #	ROOM NAME	BUILDING MATERIAL	MATERIAL DESCRIPTION	BCM #	Asbestos Classification
2376K	Office	Block Wall Primer	-	28	ACM
		Suspended Ceiling Tile (SCT-15)	2' x 4' Medium Fissure, Random Pinhole	59	Non ACM
		Sprayed Fireproofing (SP-3)	Green Tint	3	Non ACM
		Sprayed Fireproofing Residual (SPR-1)	Varies	5	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
THIRD FLOOR					
3603	Office	Carpet	-		-
		Brick	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Block Wall Primer	-	28	ACM
		Suspended Ceiling Tile (SCT-9)	2' x 2' Short Fissure, Pinhole, drop style	53	Non ACM
		Sprayed Fireproofing (SP-3)	Green Tint	3	Non ACM
		Sprayed Fireproofing Residual (SPR-1)	Varies	5	ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
3606	Office	Carpet	-	-	-
		Brick	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Block Wall Primer	-	28	ACM
		Suspended Ceiling Tile (SCT-8)	2' x 2' Short Fissure, Pinhole	52	Non ACM
		Suspended Ceiling Tile (SCT-9)	2' x 2' Short Fissure, Pinhole, drop style	53	Non ACM
		Sprayed Fireproofing (SP-3)	Green Tint	3	Non ACM
		Sprayed Fireproofing Residual (SPR-1)	Varies	5	ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Foam	66	Non ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
3606A	Office	Carpet	-	-	-
		Brick	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Block Wall Primer	-	28	ACM
		Suspended Ceiling Tile (SCT-8)	2' x 2' Short Fissure, Pinhole	52	Non ACM
		Suspended Ceiling Tile (SCT-9)	2' x 2' Short Fissure, Pinhole, drop style	53	Non ACM
		Sprayed Fireproofing (SP-3)	Green Tint	3	Non ACM
		Sprayed Fireproofing Residual (SPR-1)	Varies	5	ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM

ACM - ASBESTOS-CONTAINING MATERIAL
BCM - BUILDING COMPONENT OR MATERIAL

TABLE 1 - ROOM-BY-ROOM SUMMARY

ROOM #	ROOM NAME	BUILDING MATERIAL	MATERIAL DESCRIPTION	BCM #	Asbestos Classification
		Thermal Systems Insulation (Pipe Straights & Fittings)	Foam	66	Non ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
3679	Classroom	Vinyl Floor Tile (VFT-1)	12" x 12" Beige w/ green streak	11	ACM
		Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Block Wall Primer	-	28	ACM
		Suspended Ceiling Tile (SCT-3)	2' x 4' Large & Small Patterned Pinhole	47	ACM
		Suspended Ceiling Tile (SCT-4)	2' x 4' Width-Wise Fissure, Random Pinhole	48	Non ACM
		Suspended Ceiling Tile (SCT-5)	2' x 4' Rough Texture, Random Pinhole	49	PACM
		Sprayed Firproofing (SP-1)	Grey	1	Non ACM
		Sprayed Fireproofing Residual (SPR-1)	Varies	5	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
3681	Lab	Vinyl Sheet Floor (VSF-1)	Off-white	16	Non ACM
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Drywall Joint-Fill Compound (DJFC-2)	Present at rear alcove entrance area to Room 3681	30	Non ACM
		Block Wall Primer	-	28	ACM
		Sprayed Fireproofing Residual (SPR-1)	Varies	5	ACM
		Suspended Ceiling Tile (SCT-1)	2' x 2' Deep Width-Wise Fissure, Random Pinhole, Dark Backing	45	Non ACM
		Suspended Ceiling Tile (SCT-2)	2' x 2' Deep Width-Wise Fissure, Random Pinhole, Light Backing	46	Non ACM
		Sprayed Fireproofing (SP-1)	Grey	1	Non ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
3982	Lab	Vinyl Floor Tile (VFT-1)	12" x 12" Beige w/ green streak	12	ACM
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Block Wall Primer	-	28	ACM
		Suspended Ceiling Tile (SCT-3)	2' x 4' Large & Small Patterned Pinhole	47	ACM
		Sprayed Fireproofing (SP-1)	Grey	1	Non ACM
		Sprayed Fireproofing Residual (SPR-1)	Varies	5	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Pipe Insulation (CWR & CWS)	White	75	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
		Vinyl Floor Tile (VFT-1)	12" x 12" Beige w/ green streak	12	ACM
		Block Wall Primer	-	28	ACM
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM

ACM - ASBESTOS-CONTAINING MATERIAL
BCM - BUILDING COMPONENT OR MATERIAL

TABLE 1 - ROOM-BY-ROOM SUMMARY

ROOM #	ROOM NAME	BUILDING MATERIAL	MATERIAL DESCRIPTION	BCM #	Asbestos Classification
3879	Corridor	Suspended Ceiling Tile (SCT-3)	2' x 4' Large & Small Patterned Pinhole	47	ACM
		Suspended Ceiling Tile (SCT-5)	2' x 4' Rough Texture, Random Pinhole	49	PACM
		Suspended Ceiling Tile (SCT-6)	2' x 4' Small Fissure, Random Pinhole	50	Non ACM
		Sprayed Fireproofing (SP-1)	Grey	1	Non ACM
		Sprayed Fireproofing Residual (SPR-1)	Varies	5	ACM
		Parging Cement Fittings	Grey Insulation	64	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
3879 (renovated section L3-12)	Corridor (renovated section L3-12)	Vinyl Sheet Flooring (VSF-2)	White (renovated portion of corridor)	17	Non ACM
		Suspended Ceiling Tile (SCT-16)	2' x 4' Small Deep Fissure, Random Pinhole (new reno)	71	Non ACM
		Sprayed Fireproofing (SP-5)	Beige, New Installation 2019/2020	72	Non ACM
		Block Wall Primer	-	28	ACM
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
3881	Staircase	Carpet	-	-	-
		Brick	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-8)	2' x 2' Short Fissure, Pinhole	52	Non ACM
		Sprayed Fireproofing (SP-3)	Green Tint	3	Non ACM
		Sprayed Fireproofing Residual (SPR-1)	Varies	5	ACM
3883	Corridor	Vinyl Floor Tile (VFT-1)	12" x 12" Beige w/ green streak	11	ACM
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Block Wall Primer	-	28	ACM
		Suspended Ceiling Tile (SCT-7)	2' x 4' Width-Wise Fissure, Random Pinhole	51	Non ACM
		Metal Pan	Metal Pan	23	Non ACM
		Sprayed Fireproofing (SP-2)	White, Grey	2	ACM
		Sprayed Fireproofing Debris (Ceiling Space)	Various	6	ACM
		Pipe Insulation (CWR & CWS)	White	74	Non ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
3883A	IT Closet	Vinyl Floor Tile (VFT-1)	12" x 12" Beige w/ green streak	11	ACM
		Sprayed Fireproofing (SP-2)	White, Grey	2	ACM
3976A	IT Room	Block Wall Primer	-	28	ACM
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Vinyl Sheet Flooring (VSF-2)	White (renovated)	17	Non ACM

ACM - ASBESTOS-CONTAINING MATERIAL
BCM - BUILDING COMPONENT OR MATERIAL

TABLE 1 - ROOM-BY-ROOM SUMMARY

ROOM #	ROOM NAME	BUILDING MATERIAL	MATERIAL DESCRIPTION	BCM #	Asbestos Classification
		Sprayed Fireproofing (SP-5)	Beige, New Installation 2019/2020	72	Non ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
3983	Mechanical Room	Block Wall Primer	-	28	ACM
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Sprayed Fireproofing (SP-2)	White, Grey	2	ACM
		Sprayed Fireproofing Debris	Various	6	ACM
		Parging Cement Fittings	Grey	64	ACM
		Pipe Insulation (CWR & CWS)	Green	73	Non ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
FOURTH FLOOR					
4301	Dept of Engineering Admin Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Block Wall Primer	-	28	ACM
		Suspended Ceiling Tile (SCT-11)	2' x 4' Width-Wise Fissure, Random Pinhole	55	Non ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
4310	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-12)	2' x 4' Short Random Fissure, Random Pinhole	56	Non ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
4312	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-3)	2' x 4' Large & Small Patterned Pinhole	47	ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
4314	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-3)	2' x 4' Large & Small Patterned Pinhole	47	ACM
		Suspended Ceiling Tile (SCT-12)	2' x 4' Short Random Fissure, Random Pinhole, 2 tiles	56	Non ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM

ACM - ASBESTOS-CONTAINING MATERIAL
BCM - BUILDING COMPONENT OR MATERIAL

TABLE 1 - ROOM-BY-ROOM SUMMARY

ROOM #	ROOM NAME	BUILDING MATERIAL	MATERIAL DESCRIPTION	BCM #	Asbestos Classification
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
4316	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-3)	2' x 4' Large & Small Patterned Pinhole	47	ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
4316A	Corridor	Vinyl Floor Tile (VFT-2) & Mastic	12" x 12" White	12	ACM
		Vinyl Floor Tile (VFT-1)	12" x 12" Beige w/ green streak	11	ACM
		Vinyl Floor Tile (VFT-3)	12" x 12" Brown, beige	13	PACM
		Block Wall Primer	-	28	ACM
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-11)	2' x 4' Width-Wise Fissure, Random Pinhole	55	Non ACM
		Suspended Ceiling Tile (SCT-3)	2' x 4' Large & Small Patterned Pinhole	47	ACM
		Sprayed Fireproofing (SP-1)	Grey (South end of Corridor)	1	Non ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Sprayed Fireproofing Overspray (SP-6)	Off-White (North end of Corridor)	76	ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
4316B	Vestibule Area	Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-11)	2' x 4' Width-Wise Fissure, Random Pinhole	55	Non ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
4316C	Corridor	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Brick	-	-	-
		Block Wall Primer	-	28	ACM
		Suspended Ceiling Tile (SCT-8)	2' x 2' Short Fissure, Pinhole	52	Non ACM
		Sprayed Fireproofing (SP-3)	Green Tint	3	Non ACM
		Sprayed Fireproofing Residual (SPR-1)	Varies	5	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
4318	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-3)	2' x 4' Large & Small Patterned Pinhole	47	ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM

ACM - ASBESTOS-CONTAINING MATERIAL
BCM - BUILDING COMPONENT OR MATERIAL

TABLE 1 - ROOM-BY-ROOM SUMMARY

ROOM #	ROOM NAME	BUILDING MATERIAL	MATERIAL DESCRIPTION	BCM #	Asbestos Classification
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
4320	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-3)	2' x 4' Large & Small Patterned Pinhole	47	ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
4322	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-3)	2' x 4' Large & Small Patterned Pinhole	47	ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
4324	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-3)	2' x 4' Large & Small Patterned Pinhole	47	ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
4326	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-3)	2' x 4' Large & Small Patterned Pinhole	47	ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
4328	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-12)	2' x 4' Short Random Fissure, Random Pinhole	56	Non ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
4330	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-12)	2' x 4' Short Random Fissure, Random Pinhole	56	Non ACM

ACM - ASBESTOS-CONTAINING MATERIAL
BCM - BUILDING COMPONENT OR MATERIAL

TABLE 1 - ROOM-BY-ROOM SUMMARY

ROOM #	ROOM NAME	BUILDING MATERIAL	MATERIAL DESCRIPTION	BCM #	Asbestos Classification
4330	Office	Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
4332	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-12)	2' x 4' Short Random Fissure, Random Pinhole	56	Non ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
4333	Classroom	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound (portion at L4-42)	29	ACM
		Block Wall Primer	-	28	ACM
		Suspended Ceiling Tile (SCT-14)	2' x 4' Small Round Fissure, Random Pinhole	58	Non ACM
		Firespray (SP-4)	Beige	4	Non ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board (portion at L4-42)	7	Non ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
4334	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-12)	2' x 4' Short Random Fissure, Random Pinhole	56	Non ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
4335	Computer Lab	Carpet	-	-	-
		Residual Mastic	Yellow, Black	26	ACM
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Block Wall Primer	-	28	ACM
		Suspended Ceiling Tile (SCT-14)	2' x 4' Small Round Fissure, Random Pinhole	58	Non ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
4336	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-12)	2' x 4' Short Random Fissure, Random Pinhole	56	Non ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM

ACM - ASBESTOS-CONTAINING MATERIAL
BCM - BUILDING COMPONENT OR MATERIAL

TABLE 1 - ROOM-BY-ROOM SUMMARY

ROOM #	ROOM NAME	BUILDING MATERIAL	MATERIAL DESCRIPTION	BCM #	Asbestos Classification
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
4343	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-12)	2' x 4' Short Random Fissure, Random Pinhole	56	Non ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
4345	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-12)	2' x 4' Short Random Fissure, Random Pinhole	56	Non ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
4347	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-12)	2' x 4' Short Random Fissure, Random Pinhole	56	Non ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
4349	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-12)	2' x 4' Short Random Fissure, Random Pinhole	56	Non ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
4351	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-12)	2' x 4' Short Random Fissure, Random Pinhole	56	Non ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
4353	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-3)	2' x 4' Large & Small Patterned Pinhole	47	ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
4355	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-3)	2' x 4' Large & Small Patterned Pinhole	47	ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM

ACM - ASBESTOS-CONTAINING MATERIAL
BCM - BUILDING COMPONENT OR MATERIAL

TABLE 1 - ROOM-BY-ROOM SUMMARY

ROOM #	ROOM NAME	BUILDING MATERIAL	MATERIAL DESCRIPTION	BCM #	Asbestos Classification
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
4357	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-3)	2' x 4' Large & Small Patterned Pinhole	47	ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
4359	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-13)	2' x 4' Width-Wise Shallow Fissure, Random Pinhole	57	Non ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
4360	IT Room	Vinyl Floor Tile (VFT-1)	12" x 12" Beige w/ green streak	11	ACM
		Block Wall Primer	-	28	ACM
		Suspended Ceiling Tile (SCT-11)	2' x 4' Width-Wise Fissure, Random Pinhole	55	Non ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
4361	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-3)	2' x 4' Large & Small Patterned Pinhole	47	ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
4362	Kitchenette	Vinyl Sheet Flooring (VSF-3)	Brown, Blue	18	Non ACM
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-8)	2' x 2' Short Fissure, Pinhole	52	Non ACM
		Sprayed Fireproofing (SP-3)	Green Tint	3	Non ACM
		Sprayed Fireproofing Residual (SPR-2)	Light Grey, White	77	Non ACM
		Sprayed Fireproofing Residual (SPR-1)	Varies (residual asbestos sprayed fireproofing may be concealed)	5	ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
4363	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-3)	2' x 4' Large & Small Patterned Pinhole	47	ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM

ACM - ASBESTOS-CONTAINING MATERIAL
BCM - BUILDING COMPONENT OR MATERIAL

TABLE 1 - ROOM-BY-ROOM SUMMARY

ROOM #	ROOM NAME	BUILDING MATERIAL	MATERIAL DESCRIPTION	BCM #	Asbestos Classification
4364	Office	Suspended Ceiling Tile (SCT-3)	2' x 4' Large & Small Patterned Pinhole	47	ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
4365	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-12)	2' x 4' Short Random Fissure, Random Pinhole	56	Non ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
4366	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-3)	2' x 4' Large & Small Patterned Pinhole, 2 tiles	47	ACM
		Suspended Ceiling Tile (SCT-14)	2' x 4' Small Round Fissure, Random Pinhole	58	Non ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
4367	Lounge	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-9)	2' x 2' Short Fissure, Pinhole, drop style	53	Non ACM
		Suspended Ceiling Tile (SCT-10)	2' x 4' Deep Small Random Fissure, Random Pinhole	54	Non ACM
		Block Wall Primer	-	28	ACM
		Sprayed Fireproofing (SP-3)	Green Tint	3	Non ACM
		Sprayed Fireproofing Residual (SPR-1)	Varies	5	ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Parging Cement Fittings	Grey	64	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
4369	Office	Carpet	-	-	-
		Drywall Joint-Fill Compound (DJFC-1)	Drywall Joint Compound	29	ACM
		Suspended Ceiling Tile (SCT-11)	2' x 4' Width-Wise Fissure, Random Pinhole	55	Non ACM
		Block Wall Primer	-	28	ACM
		Sprayed Fireproofing (SP-3)	Green Tint	3	Non ACM
		Sprayed Fireproofing Residual (SPR-1)	Varies	5	ACM
		Drywall Joint-Fill Compound (ceilings)	Fire separation - gypsum board	7	ACM
		Thermal Systems Insulation (Ducts)	Fibreglass	63	Non ACM
		Thermal Systems Insulation (Pipe Straights & Fittings)	Fibreglass	62	Non ACM
29-02 (Exterior)	Patio (off Room 4367)	Caulking & Sealant	Elastomeric coating & caulking	70	Non ACM

ACM - ASBESTOS-CONTAINING MATERIAL
BCM - BUILDING COMPONENT OR MATERIAL

APPENDIX 6

Laboratory Analytical Report – Asbestos

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Laboratory Analysis Report

To:

Andy Andriotis
Access Environmental Solutions
775 Lucerne Avenue
Waterloo, Ontario
N2T 2Y3

EMC LAB REPORT NUMBER: A129849
Job/Project Name: CPH 3rd & 4th Floor Refresh
Analysis Method: Polarized Light Microscopy – EPA 600
Date Received: Jan 27/26 **Date Analyzed:** Feb 4,5/26
Analyst: Marco Costanza
Reviewed By: Malgorzata Sybydlo

Job No: 10107.227
Number of Samples: 106
Date Reported: Feb 5/26

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
001A	A129849-1	Fire spray (grey), Rm 3681	Grey, fibrous material	**ND**		60	40
001B	A129849-2	Fire spray (grey), Rm 3681	Grey, fibrous material	**ND**		60	40
001C	A129849-3	Fire spray (grey), Rm 3681	Grey, fibrous material	**ND**		60	40
002A	A129849-4	Block Wall Primer, Rm 3681	Off white, primer	**Chrysotile**	**0.5**		99.5
002B	A129849-5	Block Wall Primer, Rm 3681	NA	**NA**			
002C	A129849-6	Block Wall Primer, Rm 3681	NA	**NA**			
002D	A129849-7	Block Wall Primer, Rm 3679	NA	**NA**			
002E	A129849-8	Block Wall Primer, Cor 3879	NA	**NA**			
002F	A129849-9	Block Wall Primer, Car 4316A	NA	**NA**			
002G	A129849-10	Block Wall Primer, Cor 4316A	NA	**NA**			
003A	A129849-11	Drywall Joint-Fill Compound, Rm 3681	Beige, joint compound	**Chrysotile**	**1**		99
003B	A129849-12	Drywall Joint-Fill Compound, Rm 3681	NA	**NA**			
003D	A129849-13	Drywall Joint-Fill Compound, Rm 3679	NA	**NA**			
004A	A129849-14	Drywall Joint-Fill Compound, Rm 3681 (entrance)	White, joint compound	**ND**			100

EMC LAB REPORT NUMBER: A129849
Client's Job/Project Name/No.: 10107.227
Analyst: Marco Costanza

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
004B	A129849-15	Drywall Joint-Fill Compound, Rm 3681 (entrance)	White, joint compound	**ND**			100
004C	A129849-16	Drywall Joint-Fill Compound, Rm 3681 (entrance)	White, joint compound	**ND**			100
005A	A129849-17	Baseboard Mastic BBM-1 (brown & gold), 2 types, Rm 3681	2 Phases: a) Brown, mastic b) Yellow, mastic	 **ND** **ND**			 100 100
005B	A129849-18	Baseboard Mastic BBM-1 (brown & gold), 2 types, Rm 3681	2 Phases: a) Brown, mastic b) Yellow, mastic	 **ND** **ND**			 100 100
005C	A129849-19	Baseboard Mastic BBM-1 (brown & gold), 2 types, Rm 3681	2 Phases: a) Brown, mastic b) Yellow, mastic	 **ND** **ND**			 100 100
006A	A129849-20[5]	Vinyl Sheet Flooring VSF-1 & Mastic & Levelling Compound, Rm 3681	3 Phases: a) Off white and green, vinyl flooring b) Brown, cellulose backing c) Grey, cementitious material	 **ND** **ND** **ND**		 10 90	 90 10 100
006B	A129849-21	Vinyl Sheet Flooring VSF-1 & Mastic & Levelling Compound, Rm 3681	5 Phases: a) Off white and green, vinyl flooring b) Brown, cellulose backing c) Grey, cementitious material d) Off white, mastic e) Black and yellow, mastic	 **ND** **ND** **ND** **ND** **ND**		 10 90	 90 10 100 100 100
006C	A129849-	Vinyl Sheet Flooring VSF-1 &	4 Phases:				

EMC LAB REPORT NUMBER: A129849
Client's Job/Project Name/No.: 10107.227
Analyst: Marco Costanza

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
	22[5,6]	Mastic & Levelling Compound, Rm 3681	a) Off white and green, vinyl flooring	**ND**		10	90
			b) Brown, cellulose backing	**ND**		90	10
			c) Grey, cementitious material	**ND**			100
			d) Off white, mastic	**ND**			100
007A	A129849-23	Baseboard Mastic — BBM-2 (brown), Rm 3679	Brown, mastic	**ND**			100
007B	A129849-24	Baseboard Mastic — BBM-2 (brown), Cor 3879	Brown, mastic	**ND**			100
007C	A129849-25	Baseboard Mastic — BBM-2 (brown), Cor 3883	Brown, mastic	**ND**			100
008A	A129849-26[7]	VFT Mastic & Levelling Compound, Rm 3679	2 Phases:				
			a) Off white, cementitious material	**Chrysotile**	**<0.5**		100
			b) Black and yellow, mastic	**ND**			100
008B	A129849-27[7]	VFT Mastic & Levelling Compound, Rm 3679	2 Phases:				
			a) Off white, cementitious material	**Chrysotile**	**<0.5**		100
			b) Black and yellow, mastic	**ND**			100
008C	A129849-28	VFT Mastic & Levelling Compound, Rm 3679	Black and yellow, mastic	**ND**			100
010A	A129849-29	Caulking — Expansion Joint, Cor 3879	Off white, caulking	**Chrysotile**	**<0.5**		100
010B	A129849-30	Caulking — Expansion Joint, Cor 3879	Off white, caulking	**Chrysotile**	**<0.5**		100
010C	A129849-31	Caulking — Expansion Joint, Cor 3879	Off white, caulking	**Chrysotile**	**<0.5**		100
011A	A129849-32	Caulking — Door Frame Perimeters,	Off white, caulking	**Chrysotile**	**<0.5**		100

EMC LAB REPORT NUMBER: A129849
Client's Job/Project Name/No.: 10107.227
Analyst: Marco Costanza

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
		Rm 3679					
011B	A129849-33	Caulking — Door Frame Perimeters, Cor 3879	Off white, caulking	**Chrysotile**	**<0.5**		100
011C	A129849-34	Caulking — Door Frame Perimeters, Cor 3879	Off white, caulking	**Chrysotile**	**<0.5**		100
012A	A129849-35	VFT Mastic & Levelling Compound, Cor 3879	2 Phases: a) Grey, cementitious material b) Black and yellow, mastic	**Chrysotile** **ND**	**0.5**		99.5 100
012B	A129849-36	VFT Mastic & Levelling Compound, Cor 3883A	NA	**NA**			
012C	A129849-37	VFT Mastic & Levelling Compound, Cor 3883A	NA	**NA**			
013A	A129849-38	Fire spray (grey), Cor 3879	Grey, fibrous material	**ND**		60	40
013B	A129849-39	Fire spray (grey), Cor 3879	Grey, fibrous material	**ND**		60	40
013C	A129849-40	Fire spray (grey), Cor 3879	Grey, fibrous material	**ND**		60	40
014A	A129849-41	Fire spray (beige & grey), Cor 3883	White and grey, fibrous material	**Chrysotile**	**30**	30	40
014B	A129849-42	Fire spray (beige & grey), Cor 3883	NA	**NA**			
014C	A129849-43	Fire spray (beige & grey), Cor 3883	NA	**NA**			
015A	A129849-44	Fire spray residues (grey/beige/white), Cor 3879	2 Phases: a) White and grey, fibrous material b) Grey, textured cementitious material	**Chrysotile** **ND**	**20**	40	40 100

EMC LAB REPORT NUMBER: A129849
Client's Job/Project Name/No.: 10107.227
Analyst: Marco Costanza

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
015B	A129849-45	Fire spray (grey/beige/white), Cor 3879	NA	**NA**			
015C	A129849-46	Fire spray (grey/beige/whie), Car 3883	NA	**NA**			
016A	A129849-47	Carpet Mastic, Rm 3679	Yellow, mastic	**ND**			100
016B	A129849-48	Carpet Mastic, Rm 3679	Yellow, mastic	**ND**			100
016C	A129849-49	Carpet Mastic, Rm 3679	Yellow, mastic	**ND**			100
017A	A129849-50	Mastic — Dias Molding, Rm 3679	Yellow, mastic	**ND**			100
017B	A129849-51	Mastic — Dias Molding, Rm 3679	Yellow, mastic	**ND**			100
017C	A129849-52	Mastic — Dias Molding, Rm 3679	Yellow, mastic	**ND**			100
018A	A129849-53	Carpet Mastic (gold) & Residual Mastic (brown), Rm 3606	2 Phases: a) Yellow and brown, mastic b) Off white, cementitious material	 **ND** **ND**			 100 100
018B	A129849-54[5]	Carpet Mastic (gold) & Residual Mastic (brown), Rm 3606	Yellow and brown, mastic	**ND**			100
018C	A129849-55	Carpet Mastic (gold) & Residual Mastic (brown), Rm 3606	Yellow and brown, mastic	**ND**			100
019A	A129849-56	Caulking, door frames & windows, Rm 3606	Black, caulking	**ND**			100
019B	A129849-57	Caulking, door frames & windows, Rm 3606	Black, caulking	**ND**			100
019C	A129849-58	Caulking, door frames & windows, Rm 3606	Black, caulking	**ND**			100

EMC LAB REPORT NUMBER: A129849
Client's Job/Project Name/No.: 10107.227
Analyst: Marco Costanza

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
020A	A129849-59	Window Butyl - exterior windows, Rm 3606	Black, tar	**ND**			100
020B	A129849-60	Window Butyl - exterior windows, Rm 3606	Black, tar	**ND**			100
020C	A129849-61	Window Butyl - exterior windows, Rm 3606	Black, tar	**ND**			100
021A	A129849-62	Residual Fire Spray (beige under green tinted FS), Rm 3603	Beige, fibrous material	**ND**		60	40
021B	A129849-63	Residual Fire Spray (beige under green tinted FS), Rm 3603	Beige, fibrous material	**ND**		60	40
021C	A129849-64	Residual Fire Spray (beige under green tinted FS), Rm 3603	Beige, fibrous material	**ND**		60	40
022A	A129849-65	Carpet Mastic & Levelling Compound, Rm 3603	2 Phases: a) Grey, cementitious material b) Yellow, mastic	**Chrysotile** **ND**	**0.5**		99.5 100
022B	A129849-66	Carpet Mastic & Levelling Compound, Rm 3603	NA	**NA**			
022C	A129849-67	Carpet Mastic & Levelling Compound, Rm 3603	NA	**NA**			
030A	A129849-68	Residual Fire Spray, Rm 4369	Beige, rubbery material	**ND**			100
030B	A129849-69	Residual Fire Spray, Cor 4316A	Beige, fibrous material	**ND**		60	40
030C	A129849-70	Residual Fire Spray, Cor 4616A	Beige, fibrous material	**ND**		60	40
031A	A129849-71	Window Butyl - interior windows, Rm 4316C	Black, tar	**ND**			100

EMC LAB REPORT NUMBER: A129849
Client's Job/Project Name/No.: 10107.227
Analyst: Marco Costanza

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
031B	A129849-72	Window Butyl - interior windows, Rm 4316C	Black, tar	**ND**			100
031C	A129849-73	Window Butyl - interior windows, Rm 4316C	Black, tar	**ND**			100
032A	A129849-74	Carpet Mastic & Levelling Compound (grey), Rm 4367	Yellow, mastic	**ND**			100
032B	A129849-75	Carpet Mastic & Levelling Compound (grey), Rm 4367	Yellow, mastic	**ND**			100
032C	A129849-76	Carpet Mastic & Levelling Compound (grey), Rm 4367	Yellow, mastic	**ND**			100
033A	A129849-77	Carpet Mastic & Levelling Compound, Rm 4369	Yellow, mastic	**ND**			100
033B	A129849-78	Carpet Mastic & Levelling Compound, Rm 4369	Yellow, mastic	**ND**			100
033C	A129849-79	Carpet Mastic & Levelling Compound, Rm 4369	Yellow, mastic	**ND**			100
034A	A129849-80	Window Butyl - interior windows, Rm 4365	Black, caulking	**Chrysotile**	**2**		98
034B	A129849-81	Window Butyl - interior windows, Rm 4359	NA	**NA**			
034C	A129849-82	Window Butyl - interior windows, Rm 4332	NA	**NA**			
035A	A129849-83	Levelling Compound, Rm 4343	Grey, cementitious material	**ND**			100
035B	A129849-84	Levelling Compound, Rm 4345	Grey, cementitious material	**ND**			100

EMC LAB REPORT NUMBER: A129849
Client's Job/Project Name/No.: 10107.227
Analyst: Marco Costanza

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
035C	A129849-85	Levelling Compound, Rm 4347	Grey, cementitious material	**ND**			100
036A	A129849-86	Carpet Mastic, Rm 4322	Yellow, mastic	**ND**			100
036B	A129849-87	Carpet Mastic, Rm 4312	Yellow, mastic	**ND**			100
036C	A129849-88	Carpet Mastic, Rm 4361	Yellow, mastic	**ND**			100
037A	A129849-89	Residual Mastic, Rm 4335	Black and yellow, mastic	**Chrysotile**	**1**		99
037B	A129849-90	Residual Mastic, Rm 4335	NA	**NA**			
037C	A129849-91	Residual Mastic, Rm 4335	NA	**NA**			
038A	A129849-92	Carpet Mastic, Rm 4335	Off white, mastic	**ND**			100
038B	A129849-93	Carpet Mastic, Rm 4335	Off white, mastic	**ND**			100
038C	A129849-94	Carpet Mastic, Rm 4335	Off white, mastic	**ND**			100
039A	A129849-95	Fire Spray, Cor 4316 (south end at stairs)	Grey, cementitious material with fibres	**ND**		30	70
039B	A129849-96	Fire Spray, Cor 4316 (south end at stairs)	Grey, cementitious material with fibres	**ND**		30	70
039C	A129849-97	Fire Spray, Cor 4316 (south end at stairs)	Grey, cementitious material with fibres	**ND**		30	70
040A	A129849-98	Window Butyl - interior windows, Rm 4333	Black, tar	**ND**			100
040B	A129849-99	Window Butyl - interior windows, Rm 4333	Black, tar	**ND**			100

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Laboratory Analysis Report

EMC LAB REPORT NUMBER: A129849
Client's Job/Project Name/No.: 10107.227
Analyst: Marco Costanza

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
040C	A129849-100	Window Butyl - interior windows, Rm 4333	Black, tar	**ND**			100
041A	A129849-101	VFT-1 Mastic, Cor 4316A	Yellow and black, mastic	**ND**			100
041B	A129849-102	VFT-1 Mastic, Cor 4316A	Yellow and black, mastic	**ND**			100
041C	A129849-103	VFT-1 Mastic, Cor 4316A	Yellow and black, mastic	**ND**			100
042A	A129849-104[5]	Levelling Compound, Rm 4333	Grey, cementitious material	**ND**			100
042B	A129849-105[5]	Levelling Compound, Rm 4333	Grey, cementitious material	**ND**			100
042C	A129849-106[5]	Levelling Compound, Rm 4333	Grey, cementitious material	**ND**			100

Note:
1. Bulk samples are analyzed using Polarized Light Microscopy (PLM) and dispersion staining techniques. The analytical procedures are in accordance with EPA 600/R-93/116 method.
2. The results are only related to the samples analyzed. **ND** = None Detected (no asbestos fibres were observed), **NA** = Not Analyzed (analysis stopped due to a previous positive result).
3. This report may not be reproduced, except in full without the written approval of EMC Scientific Inc. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.
4. The Ontario Regulatory Threshold for asbestos is 0.5%. The limit of quantification (LOQ) is 0.5%.
5. Another phase is present but is too small to analyze.
6. Phase c) is small in size
7. Phase a) is small in size

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Laboratory Analysis Report

To:

Andy Andriotis
Access Environmental Solutions
775 Lucerne Avenue
Waterloo, Ontario
N2T 2Y3

EMC LAB REPORT NUMBER: A131735
Job/Project Name: CPH 3rd & 4th Floor Refresh
Analysis Method: Polarized Light Microscopy – EPA 600
Date Received: Mar 10/26 **Date Analyzed:** Mar 17/26
Analyst: Dorothy Cheung
Reviewed By: Malgorzata Sybydlo

Job No: 10107.227
Number of Samples: 6
Date Reported: Mar 17/26

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
101A	A131735-1	Residual fire spray (light grey), rm 4362	White, cementitious material with fibres	**ND**		10	90
101B	A131735-2	Residual fire spray (light grey), rm 4362	White, cementitious material with fibres	**ND**		10	90
101C	A131735-3	Residual fire spray (light grey), rm 4362	White, cementitious material with fibres	**ND**		10	90
102A	A131735-4	Vinyl sheet flooring backing (grey), rm 4362	2 Phases: a) Brown, woven fibrous material b) Grey, mastic	 **ND** **ND**		 80	 20 100
102B	A131735-5	Vinyl sheet flooring backing (grey), rm 4362	2 Phases: a) Brown, woven fibrous material b) Grey, mastic	 **ND** **ND**		 80	 20 100
102C	A131735-6	Vinyl sheet flooring backing (grey), rm 4362	2 Phases: a) Brown, woven fibrous material b) Grey, mastic	 **ND** **ND**		 80	 20 100

Note:
1. Bulk samples are analyzed using Polarized Light Microscopy (PLM) and dispersion staining techniques. The analytical procedures are in accordance with EPA 600/R-93/116 method.
2. The results are only related to the samples analyzed. **ND** = None Detected (no asbestos fibres were observed), **NA** = Not Analyzed (analysis stopped due to a previous positive result).
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4. The Ontario Regulatory Threshold for asbestos is 0.5%. The limit of quantification (LOQ) is 0.5%.